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UA PROJECT No. 051-23-2688D / 91209 D.C.M. # 2023453 KPS Group PROJECT No. 236002-02



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REVISION DESCRIPTION	SHEET NO SHEET NAME	ISSUE DATE # DATE DESCRIPTION	SHEET NAME	CURRENT REVISION ISSUE DATE # DATE DESCRIPTION
	A5.41 DETAILS - EXTERIOR	30 JAN 2024 30 JAN 2024	ELECTRICAL	
	A5.51 DETAILS - ROOF	30 JAN 2024 30 JAN 2024	E0.01 GENERAL ELECTRICAL LEGEND & NOTES	30 JAN 2024
	A5.52 DETAILS - ROOF	30 JAN 2024	E0.02 SINGLE LINE DIAGRAM	30 JAN 2024
	A5.53 DETAILS - ROOF AT ADDITION	30 JAN 2024	E0.03 ELECTRICAL DETAILS	30 JAN 2024
	A6.02 INTERIOR PARTITIONS - TYPES, NOTES & DETAILS A6.02 INTERIOR PARTITIONS - STANDARD DETAILS	30 JAN 2024 30 JAN 2024	E0.04 ELECTRICAL DETAILS	30 JAN 2024
	A6.11 SCHEDULE - DOORS, TYPES & DETAILS	30 JAN 2024	E0.06 LIGHTING FIXTURE SCHEDULE & DETAILS	30 JAN 2024
	A6.21 DOOR AND FRAME DETAILS	30 JAN 2024	E0.07 ELECTRICAL SCHEDULES	30 JAN 2024
	A7.11 SCHEDULE - WINDOWS / LOUVERS / STOREFRONT A7.12 WINDOW DETAILS	30 JAN 2024 30 JAN 2024	E1.01 ELECTRICAL SITE PLAN	30 JAN 2024 30 JAN 2024
	A7.12 WINDOW DETAILS	30 JAN 2024 30 JAN 2024	E2.02 LEVEL 2 LIGHTING PLAN	30 JAN 2024
	A7.14 WINDOW DETAILS	30 JAN 2024	E2.03 LEVEL 3 LIGHTING PLAN	30 JAN 2024
	A7.15 WINDOW DETAILS AT ADDITION	30 JAN 2024	E3.01 LEVEL 1 POWER PLAN	30 JAN 2024
	ARCHITECTURE: 56	50 JAN 2024	E3.02 LEVEL 2 POWER PLAN	30 JAN 2024
			E4.01 LEVEL 1 AUXILIARY PLAN	30 JAN 2024
			E4.02 LEVEL 2 AUXILIARY PLAN	30 JAN 2024
	ID1.01 FINISH LEGEND ID1.02 TH E TRANSITION DETAILS	30 JAN 2024 30 JAN 2024	E4.03 LEVEL 3 AUXILIARY PLAN E5.01 LEVEL 1 HVAC POWER PLAN	30 JAN 2024 30 JAN 2024
	ID1.11 FINISH PLAN - LEVEL 1	30 JAN 2024	E5.02 LEVEL 2 HVAC POWER PLAN	30 JAN 2024
	ID1.12 FINISH PLAN - LEVEL 2	30 JAN 2024	E5.03 LEVEL 3 HVAC POWER PLAN	30 JAN 2024
	ID1.13 FINISH PLAN - LEVEL 3	30 JAN 2024	E5.04 ROOF HVAC POWER PLAN	30 JAN 2024
	ID1.21 FURNITURE PLAN - LEVEL 1 ID1.22 FURNITURE PLAN - LEVEL 2	30 JAN 2024	SHEETS: 184	
	ID1.23 FURNITURE PLAN - LEVEL 3	30 JAN 2024		
]	ID1.51 EQUIPMENT PLAN - LEVEL 1	30 JAN 2024		
	PLUMBING			
	P0.01 PLUMBING GENERAL NOTES, LEGEND, & ABBREVIATIONS	30 JAN 2024		
	P0.02 PLUMBING DETAILS P0.03 PLUMBING DETAILS	30 JAN 2024 30 JAN 2024		
	P1.01 PLUMBING SITE PLAN	30 JAN 2024		
	P2.01 PLUMBING - LEVEL 1 FLOOR PLAN - NON-PRESSURE	30 JAN 2024		
	P2.02 PLUMBING - LEVEL 1 FLOOR PLAN - MAIN BUILDING - NON-PRESSURE	30 JAN 2024		
	P2.03 PLUMBING - LEVEL 2 FLOOR PLAN - NON-PRESSURE	30 JAN 2024		
	P2.04 PLUMBING - LEVEL 3 FLOOR PLAN - NON-PRESSURE	30 JAN 2024		
	P2.05 PLUMBING - ROOF PLAN - PRESSURE & NON-PRESSURE P3.01 PLUMBING - LEVEL 1 FLOOR PLAN - PRESSURE	30 JAN 2024 30 JAN 2024		
	P3.02 PLUMBING - LEVEL 1 FLOOR PLAN - MAIN BUILDING -	30 JAN 2024		
		20. (AN) 2024		
	P3.03 PLUMBING - LEVEL 2 FLOOR PLAN - PRESSURE P3.04 PLUMBING - LEVEL 3 FLOOR PLAN - PRESSURE	30 JAN 2024 30 JAN 2024		
	P6.00 PLUMBING RISER	30 JAN 2024		
	P6.01 PLUMBING PRESSURE RISER	30 JAN 2024		
	P6.02 PLUMBING NON-PRESSURE RISER	30 JAN 2024		
	FP0.01 FIRE PROTECTION NOTES, LEGEND, & ABBREVIATIONS FP2.01 FIRE PROTECTION - LEVEL 1 FLOOR PLAN	30 JAN 2024 30 JAN 2024		
	FP2.02 FIRE PROTECTION - LEVEL 2 & 3 FLOOR PLANS	30 JAN 2024		
	FIRE PROTECTION: 3			
	MECHANICAL			
	M0.01 MECHANICAL GENERAL NOTES, LEGEND, & ABBREVIATIONS	30 JAN 2024		
	M0.02 MECHANICAL SCHEDULES	30 JAN 2024		
]	M0.04 VENTILATION CALCULATIONS	30 JAN 2024 30 JAN 2024		
	M0.05 MECHANICAL DETAILS	30 JAN 2024		
	M0.06 MECHANICAL DETAILS	30 JAN 2024		
	M0.08 MECHANICAL DETAILS	30 JAN 2024 30 JAN 2024		
	M0.09 MECHANICAL DETAILS	30 JAN 2024		
	M1.01 MECHANICAL SITE PLAN	30 JAN 2024		
	M2.01 HVAC - LEVEL 1 FLOOR PLAN - DUCTWORK	30 JAN 2024 30 JAN 2024		
	M2.03 HVAC - PARTIAL LEVEL 1 FLOOR PLANS	30 JAN 2024		
	M2.04 HVAC - LEVEL 2 FLOOR PLAN - DUCTWORK	30 JAN 2024		
	M2.05 HVAC - LEVEL 3 FLOOR PLAN - DUCTWORK	30 JAN 2024		
	M3.01 HVAC - LEVEL 1 FLOOR PLAN - PIPING	30 JAN 2024		
	M3.02 HVAC - LEVE 1 FLOOR PLAN - MAIN BUILDING - PIPING	30 JAN 2024		
	M3.03 HVAC - LEVEL 2 FLOOR PLAN - PIPING	30 JAN 2024		
	M4.01 HVAC - LEVEL 3 FLOOK PLAN - PIPING M4.01 HVAC - LARGE SCALE FLOOR PLANS & SECTIONS	30 JAN 2024 30 JAN 2024		
	M5.01 HVAC - MECHANICAL SECTIONS	30 JAN 2024		
	M5.02 HVAC - MECHANICAL SECTIONS	30 JAN 2024		
	M6.02 CHILLED WATER PIPING DIAGRAM	30 JAN 2024 30 JAN 2024		
	M6.03 HEATING PIPING DIAGRAM	30 JAN 2024		
	M7.00 CONTROLS LEGEND, ABBREVIATIONS, AND GENERAL NOTE	S 30 JAN 2024		
	M7.01 CONTROLS NETWORK ARCHITECTURE DIAGRAM	30 JAN 2024		
	M7.03 CHILLED WATER PROCESS AND CONTROL DIAGRAM	30 JAN 2024		
	M7.04 AIR HANDLING UNIT CONTROL DIAGRAM	30 JAN 2024		
	M7.05 AIR HANDLING UNIT CONTROL DIAGRAM - 1W	30 JAN 2024		
	M7.00 AHU SEQUENCE OF OPERATION M7.07 SINGLE ZONE AHU CONTROL DIACRAM (AHU B)	30 JAN 2024 30 JAN 2024		
	M7.08 DOAS AND FCU CONTROL DIAGRAMS	30 JAN 2024		
	MECHANICAL: 35			

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CURRENT REVISION









ARCHITECTURAL ABBREVIATIONS

ADERS SHALL BE HE OUTLET BOX IHAN 15" TO THE OVE THE	
OBE DEVICE IMER OR WALL L PHONES. GED INTO ONE	
TIPLE OUTLETS PLATE	

D DBL DEPT DESC DET DF DIA DIM DISP DN DR	DOUBLE DEPARTMENT DESCRIPTION DETAIL DRINKING FOUNTAIN DIAMETER DIMENSION DISPENSER DOWN DOOR	H HB HC HDW HDW HM HNDI HOR HP HPDI
DS DSP DWG DWR	DOWNSPOUT DRY STANDPIPE DRAWING DRAWER	hr ht htr hvaq
e ea ej el elec elev emer encl eos ep eq eqpt evc exist exp expo ext	EAST EACH EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR EMERGENCY ENCLOSURE EDGE OF SLAB ELECTRICAL PANELBOARD EQUIPMENT ELECTRIC WATER COOLER EXISTING EXPANSION EXPOSED EXTERIOR	HW I ID IF IN INCL INSU INT IT JAN JST JT K KIT KO
F FA FCO FD FDN FE FEC FFE FHC FIN FLASH FLASH FLOUR FOC FOF FOF FOM FOS FPRFG FNMG FS FT FTG FURR FUT	FIRE ALARM FLOOR CLEAN OUT FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER CABINET FINISHED FLOOR ELEVATION FIRE HOSE CABINET FINISH FLOOR FLASHING FLOURESCENT FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUD FIREPROOFING FRAMING FULL SIZE FOOT OR FEET FOOT ING FURRING FUTURE	L LAB LAM LAV LG LH LKR LOC LP LT LTL LVL M MAC MAIN MAX MEC MEM MFR MH MIN
G GA GALV GB GFI GL GND GR GRTG GWB GYP	GAUGE GALVANIZED GRAB BAR GROUND FAULT INTERRUPTION GLASS GROUND GRADE GRATING GYPSUM WALL BOARD GYPSUM	MISC MO MTD MTL MUL

RL RIZ L	HOLLOW METAL HANDRAIL HORIIZONTAL HIGHPOINT HIGH PRESSURE DECORATIVE LAMINATE HOUR HEIGHT HEATER HEATING, VENTILATION & AIR CONDITIONING HOT WATER
- JL	INSIDE DIAMETER (DIM) INSIDE FACE INCH INCLUDE INSULATION INTERIOR INFORMATION & TECHNOLOGY
	JANITOR JOIST JOINT
	KITCHEN KNOCKOUT
	LABORATORY LAMINATE LAVATORY LONG LEFT HAND LOCKER LOCATION LOW POINT LIGHT LINTEL LEVEL
XH NT XL XH MB	MACHINE MAINTENANCE MATERIAL MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MANHOLE MINIMUM
	MIRROR MISCELLANEOUS MASONRY OPENING MOUNTED METAL MULLION

HOSE BIB

HARDWOOD

HARDWARE

HOLLOW CORE

SECTION / DETAIL TYPES

BUILDING

BUILDING

SECTION

WALL

SECTION

DETAIL

SECTION

DETAIL /



MISC SYM	BOLS
COLUMN LINE	0
COLUMN LINE, EXISTING	0
INTERIOR ELEVATION VIEW	A1 ELEVATION #
TARGET ELEV EL = 0'-0"	•
FIRST FLOOR EL = 0'-0"	•
MATCHLINE	
CENTERLINE	¢
PLAN/ DETAIL / SECTION / ELEVATION	DETAIL / SECTION # DETAIL DETAIL NAME SCALE re. A100 REFERENCING SHEET

NOTE:

REFER TO PLANS FOR ADDITIONAL SYMBOLS

N NA NIC NO NOM NTS	NORTH NOT APPLICABLE NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE	S SC SCH SEC SF SHL
O OA OBS OC OD OD OFCI OFF OPNG	OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER (DIAM) OVERFLOW DRAIN OWNER FURNISHED CONTRACTOR INSTALLED OFFICE OPENING	SHI SHV SIM SLC SPE SQ SS SST SSL STA
OPP OZ	OPPOSITE OUNCE	STD
P PA PC PCF PERF PL PLAM PLAS PLMBG PLYWD PNL POL PNL POL PR PREFAB PROP PSF PSI PSI PT PTD PTD PTN	PAINT PUBLIC ADDRESS PRECAST POUNDS PER CUBIC FOOT PERFORATED PLATE PLASTIC LAMINATE PLASTIC LAMINATE PLUMBING PLYWOOD PANEL POLISHED PAIR PREFABRICATED PROPERTY POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT PAINTED PARTITION	STL STN STC STR SUS SY SYN T T&G TC TEL TEN TER THK TME TOS TOV TP TRD TST
PVC Q QT	QUARRY TILE	TYP U
QTR R	QUARTER	ul Unf Unc
R RB RD REF REFR REINF REQD RESIL RGSTR RL RLNG RM	RADIUS RUBBER BASE ROOF DRAIN REFERENCE REFRIGERATOR REINFORCED REQUIRED RESILIENT REGISTER RAIN LEADER RAILING ROOM	V VER VES VIF VTR VW(W W
RND RO	Round Rough opening	W/C WC WD

S	
S	SOUTH
SC	SOLID CORE
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SHLF	SHELF
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SLC	SEALED CONCRETE
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SEWER
SST	STAINLESS STEEL
SSURF	SOLID SURFACE
SIA	STATION
SIC	SOUND TRANSMISSION
отр	
STD	STEEL
STN	STONE
STOR	STORAGE
STR	STAIR
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SY	SQUARE YARD
SYM	SYMMETRICAL
Т	
T&G	TONGUE AND GROOVE
TC	TOP OF CURB
TEL	TELEPHONE
TEMP	TEMPORARY
TERR	TERRAZZO
THK	THICK
TME	TO MATCH EXISTING
IOS	TOP OF SLAB
TOW	
ικυ τοτλτ	
	TT IGAL
U	
UI	UNDERWRITERS ABORATORIES
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
••••	
V	
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
VVP	
WCOT	WATER RESISTANT
vv5С1 м/т	
V V I	

TAG	TYPES

ROOM NAME/NUMBER	ROOM NAME
DOOR NUMBER	(101)
WINDOW TYPE	$\widehat{(1)}$
STOREFRONT / CURTAIN WALL	SF-22
WALL TYPE TAG	S 3
CEILING TYPE	30'-00" A1
FINISH KEY	PT-1
MILLWORK NUMBER	Mi
SPECIALTY / ACCESSORY NUMBER	01
FIRE EXTINGUISHER CABINET	FEC
FIRE EXTINGUISHER W/ BRACKET (WALL MOUNTED)	FE
PLAN KEYNOTE	$\langle 1 \rangle$
REVISION NUMBER	1

ARCHITECTURAL GENERAL NOTES

REFER TO ADDITIONAL NOTES THROUGHOUT THIS SET FOR COMPLETE SCOPE OF WORK AND SPECIFIC REQUIREMENT. NOT ALL NOTES APPLICABLE TO THIS PROJECT.

- GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUBCONTRACTORS WITH COMPLETE DOCUMENTS INDICATING ALL REQUIREMENTS OF THEIR TRADE.
- SUBCONTRACTORS ARE REQUIRED TO REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS TO NOTE THE AREAS OF WORK OF THEIR TRADE ON SHEETS TRADITIONALLY NOTED AS THE WORK OF OTHER TRADES. (I.E. THE REQUIREMENT OF ADDING POWER TO MECHANICAL OR OTHER EQUIPMENT SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS AND NOT ON THE ELECTRICAL DRAWINGS). THE ARCHITECT IS TO BE NOTIFIED IN WRITING OF ANY DISCREPANCY AND WILL COORDINATE DESIGN WORK OF THESE ITEMS. HOWEVER THE SUBCONTRACTOR IS STILL RESPONSIBLE FOR IDENTIFYING AND INCLUDING THIS WORK IN HIS CONTRACT
- ALL FIRE RATED WALLS SHALL BE EFFECTIVELY & PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN A MANNER ACCEPTABLE TO AUTHORITY HAVING JURISDICTION. SUCH IDENTIFICATION SHALL BE ABOVE ANY DECORATIVE CEILING, AND IN CONCEALED SPACES.
- PATCH AND SEAL PENETRATIONS IN FIRE AND SMOKE WALLS IN A MANNER WHICH WILL MAINTAIN THAT WALL'S FIRE RATING. FIRE SEAL METHOD USED MUST BE A TESTED U.L. (UNDERWRITERS LABORATORIES) PENETRATION ASSEMBLY.
- THE CONTRACTOR SHALL MAINTAIN THE APPROPRIATE RATINGS WHERE THERE IS RECESSED WALL MOUNTED EQUIPMENT.
- CONTRACTOR SHALL MAINTAIN SAFE METHODS OF EGRESS AND CIRCULATION DURING CONSTRUCTION.
- CEILING CONTRACTOR WILL PROVIDE AND INSTALL ADDITIONAL SUPPORTS AT ALL LIGHT FIXTURES IN SUSPENDED CEILING AS FOLLOWS: ONE STANDARD CEILING STRUT AT EACH CORNER INSTALLED AT 45 DEGREE ANGLE AWAY FROM FIXTURE IN BOTH THE X AND Y DIRECTION. ATTACH THE STRUT TO THE STRUCTURE ABOVE AS TO WITHSTAND THREE TIMES THE WEIGHT OF THE SUPPORTED FIXTURE.
- THE CONTRACTOR SHALL VERIFY THAT THE ACCESS PANELS OF TYPE REQUIRED FOR ADJACENT SURFACE (SEE SPECIFICATIONS) ARE INSTALLED IN WALLS AND NON-ACCESSIBLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS PANELS SHALL BE A FIRE RATED TYPE EQUAL TO THE RATING OF THE WALL OR CEILING IN WHICH THEY OCCUR. ACCESS PANELS MAY BE UNRATED IF INSTALLED IN UNRATED WALLS OR CEILINGS.
- SEE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, SPEAKERS, FIRE ALARM DEVICES, EXIT LIGHTS, ETC. VERIFY WITH ARCHITECTURAL REFLECTED CEILING PLAN INTENT FOR PLACEMENT OF THESE ITEMS IN RELATION TO ADJACENT FINISHES OR GRIDS.
- CENTER ALL SPRINKLER HEADS, LIGHT FIXTURES AND AIR DISTRIBUTION IN 10 CEILING TILES OR AS INDICATED IN REFLECTED CEILING PLANS.
- CAULK AT JUNCTURE OF INTERIOR FACES OF DOOR FRAMES, VIEW 11 WINDOW FRAMES, EXTERIOR WINDOW FRAMES, AND CASEWORK WITH ADJACENT MATERIALS EVEN THOUGH JOINT MAY NOT BE VISIBLE.
- PAINT EXPOSED INTERIOR AND EXTERIOR EQUIPMENT, PIPING, ETC. IN A COLOR AS SELECTED BY THE ARCHITECT, EXCEPT THOSE ITEMS WHICH ARE PRE-FINISHED. ALUMINUM OR STAINLESS STEEL
- PAINT SURFACES OF HOLLOW METAL DOORS AND FRAMES IN A COLOR AS 13 INDICATED ON THE SCHEDULES OR AS SELECTED BY THE ARCHITECT, IF NOT NOTED OTHERWISE.
- 14. PAINT ALL EXTERIOR ELECTRICAL BOXES AND/OR GAS METERS TO MATCH BUILDING EXTERIOR.
- 15. PAINT EXTERIOR METAL PIPE RAILS, HANDRAILS, AND GUARDRAILS IN A COLOR AS INDICATED ON THE SCHEDULES OR AS SELECTED BY THE ARCHITECT.
- CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD AND/OR WITH OWNER FURNISHED EQUIPMENT. ALL OF THE DRAWINGS AND SPECIFICATIONS FORM THE BASIS OF THE CONSTRUCTION DOCUMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL PRODUCT INFORMATION NOT INCLUDED IN THE FINISH LEGEND, NOTES OR PLANS. SHOULD ANY QUESTIONS ARISE REGARDING THE FINISH DRAWINGS OR SPECIFICATIONS WHICH REQUIRE CLARIFICATION, THE DESIGNER IS TO BE CONSULTED BEFORE PROCEEDING THE FAILURE OF THE CONTRACTOR AND/OR SUBCONTRACTOR TO REVIEW ALL OF THE DOCUMENTS PRIOR TO PRICING DOES NOT CONSTITUTE A REASON FOR PRICE INCREASES/ADDITIONAL COMPENSATIONS. THE DESIGNER IS NOT RESPONSIBLE FOR DISCREPANCIES THAT ARISE DUE TO CHANGES BY CONTRACTORS, CONSULTANTS, LANDLORDS, OR OWNERS AFTER THIS DATE.

DRAFTING CONVENTION NOTES

- 1. DO NOT SCALE DRAWINGS. IF ANY ITEM OF WORK CANNOT BE LOCATED, DO NOT PROCEED WITH THE WORK BEFORE CLARIFYING WITH ARCHITECT.
- 2. LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS, DETAILS TAKE PRECEDENCE OVER ALL. NOTIFY ARCHITECT IN WRITING OF CONFLICTS OR DISCREPANCIES.
- DIMENSIONS ARE NOT ADJUSTABLE WITHOUT ARCHITECT'S APPROVAL, UNLESS NOTED OTHERWISE.
- 4. HORIZONTAL DIMENSIONS ARE SHOWN FROM FACE OF FINISH, UNLESS NOTED OTHERWISE.
- VERTICAL DIMENSIONS ARE FROM THE TOP OF THE FINISHED FLOOR, UNLESS NOTED OTHERWISE. 6. DIMENSIONS TO EXTERIOR WINDOW WALL ARE TO INSIDE FINISHED FACE
- OF THE WALL, UNLESS OTHERWISE NOTED.
- DIMENSIONS TO EXTERIOR GLAZING ARE TO THE INSIDE FACE OF THE EXTERIOR GLAZING.
- 8. VERIFY DIMENSIONS MARKED "FIELD VERIFY", "VIF" OR "V.F." PRIOR TO START OF CONSTRUCTION AND REPORT INCONSISTENCIES TO ARCHITECT
- 9. DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE PRECISELY MAINTAINED ALLOWING FOR THICKNESS OF MATERIALS
- 10. "TYPICAL" MEANS IDENTICAL FOR ALL CONDITIONS, UNLESS NOTED OTHERWISE.
- 11. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLANS AND ELEVATIONS.
- 12. "PROVIDE" MEANS FURNISH AND INSTALL. COMPLETE AND IN PLACE. 13. "FURNISH" MEANS FURNISH ONLY, INSTALLATION BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
- 14. "INSTALL" MEANS PUT INTO PLACE, SUPPLIED BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
- 15. "ALIGN" MEANS ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.









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 \mathbf{O} \leq PROJECT STATUS SUED SET: BID SET SSUE DATE: 30 JAN 24 EVISIONS No. Description Date

RAWING TITLE ARCHITECTURAL SYMBOLS, ABBREVIATIONS & NOTES

RAWN BY: HECKED BY: ROJECT NUMBER

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BUILDING & LIFE SAFETY CODE ANALYSIS

	CODE ISSUE	DESCRIPTION / NFPA
CH. 3	USE AND OCCUPANCY REQUIREM	ENTS
	1) BUILDING USE:	1
	2) OCCUPANCY CLASSIFICATION:	
	3)SEPARATION OF OCCUPANCIES:	1
	4)HAZARDOUS CONTENT AREA:	
CH. 4	SPECIAL DETAILED REQUIREMENT	S
	BASED ON USE AND OCCUPANCY	
CH. 5	BUILDING HEIGHT AND AREA LIMIT	ATIONS
	HEIGHT IN FEET:	
	MAXIMUM AREA PER FLOOR:	AINE.
CH. 6		
CH. 7	FIRE RESISTIVE RATING REQUIREM	IENTS
	PRIMARY STRUCTURAL FRAME	(
	BEARING WALLS - EXTERIOR BEARING WALLS - INTERIOR	(
	NON-BEARING WALLS & PARTITION	S - EXTERIOR
	FIRE SEPARATION DISTANC	E <5' (X<5')
	BETWEEN 5' & 10' (5<=X<10) BETWEEN 10' & 30' (10<=X<3	0)
	FIRE SEPARATION DISTANC	E >30' (X>=30') (
	NON BEARING WALLS & PARTITION	S - INTERIOR (
	FLOOR CONSTRUCTION & SECOND	ARY MEMBERS (
	PENTHOUSE WALLS & ROOF - EXTE	RIOR
	PENTHOUSE FRAMING & WALLS - IN	NTERIOR
	MAX AREA OF UNPROTECTED OPE	NINGS
	PARAPETS	105
	FIRE WALLS	
	FIRE BARRIER ASSEMBLIES	
	FXIT FNCI OSURES (<4 ST	RIES)
	EXIT PASSAGEWAYS	
	HORIZONTAL EXITS	
	INCIDENTAL USE AREAS FURNACE ROOM w/ 400	
	BOILER ROOM w/ 15 PSI	, 10HP ⁻
	FLOOR AND ROOF ASSEMBLIES	
		_S) (
	SMOKE PARTITIONS	
	HOISTWAY ENCLOSURES	
	ELEVATOR MACHINE ROOMS ENCL	
	EMERGENCY ESCAPE & RESCUE	SOURIZED STAIR
CH 10	MEANS OF EGRESS	
UII. IV	OCCUPANT LOAD	
	EGRESS WIDTH per OCCUPANT SEI	RVED
	OTHER EGRESS COMPONE	IT (
	MAXIMUM EXIT ACCESS TRAVEL DI	STANCE
	MAXIMUM DEAD END CORRIDOR LE	ENGTHS S
	UUKKIDUK FIRE RESISTANCE RATI MINIMUM CORRIDOR / ALSI E WIDTE	NG (

48" MIN WIDTH BTWN HANDRAILS AREA OF REFUGE MINIMUM NO. OF EXITS EXIT THRU AREAS ON LVL OF DISCHARGE

3

A OR IBC REQUIREMENT	IBC REFERENCE	NOTES
MIXED USE, NON-SEPARATED A-3, B, S-2 NA	SECTION 508.3 SECTION 303 SECTION 508.3 TABLE 307.1	
	CHAPTER 4	
75 3 38,000 SF	TABLE 504.3 TABLE 504.4 TABLE 506.2	
III B YES	CHAPTERS 5&6	
0 HR 2 HR 0 HR	TABLE 601 TABLE 601 TABLE 601	
1 HR 1 HR 0 HR 0 HR 0 HR 0 HR 0 HR 1 HR 1 HR 1 HR 1 HR 2 HR	TABLE 705.5 TABLE 705.5 TABLE 705.5 TABLE 705.5 TABLE 601 TABLE 601 & SECTION 202 TABLE 601 & SECTION 202 TABLE 601 & SECTION 202 SECTION 15011.2.4 SECTION 15011.2.4 TABLE 705.8 & SECTION 705 SECTION 705.11 SECTION 705 SECTION 706 SECTION 7023 SECTION 1024 SECTION 1026 TABLE 302.1.1	5.8.1
1 HR OR SPRINKLER 1 HR OR SPRINKLER 0 HR	TABLE 509.1 TABLE 509.1 SECTION 711.2.4 TABLE 1020.1	
1 HR 1 HR	SECTION 3002, SECTION 712 SECTION 3005 SECTION 1023.12 SECTION 1031	2, SECTION 713
0.3" PER OCC	TABLE 1004.5 SECTION 1005	
250 FEET 50 FEET 0 HR PER IBC 1005.1, BUT NOT	TABLE 1016.1 SECTION 1020.3 TABLE 1020.2	
LESS THAN 44 INCHES	SECTION 1020.3 SECTION 1009.3.2 SECTION 1009.3.3 TABLE 1006.2.1 &TABLE 100 SECTION 1028 1	6.3.3

2

BUILDING LOCATION & DESCRIPTION OF USE:

BUILDING LOCATION:

SUMMARY DESCRIPTION:

918 UNIVERSITY BOULEVARD, TUSCALOOSA, ALABAMA 35401

THE CONSTRUCTION DRAWINGS DESCRIBE THE SCOPE OF WORK REQUIRED FOR THE SELECTIVE DEMOLITION, RENOVATION, AND ADDITION TO AN EXISTING, EARLY-TWENTIETH CENTURY MASONRY BUILDING ON THE UNIVERSITY OF ALABAMA CAMPUS.

APPLICABLE CODES & REGULATIONS CITY OF TUSCALOOSA / ALABAMA DIVISION OF CONSTRUCTION MANAGEMENT (DCM):

CITY OF:	CITY OF TUSCALOOSA TECHNICAL CODES, 2021
BUILDING:	INTERNATIONAL BUILDING CODE; 2021 EDITION WATER AMENDMENTS.
ACCESSIBILITY:	INTERNATIONAL BUILDING CODE, 2021 EDITION
	ICC/ ANSI A117.1-2017 (AS ADOPTED THROUGH THINTERNATIONAL BUILDING CODE)
	2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
ELEVATOR:	ASME A17.1 THE SAFETY CODE FOR ELEVATORS ESCALATORS.
PLUMBING:	INTERNATIONAL PLUMBING CODE, 2021 EDITION, AMENDMENTS.
GAS:	INTERNATIONAL FUEL GAS CODE, 2021 EDITION, AMENDMENTS.
MECHANICAL:	INTERNATIONAL MECHANICAL CODE, 2021 EDITIC LOCAL AMENDMENTS.
ELECTRICAL:	NATIONAL ELECTRICAL CODE, 2020 EDITION (NFF
FIRE / LIFE SAFETY CODE:	INTERNATIONAL FIRE CODE, 2021 EDITION NFPA101 LIFE SAFETY CODE, WITH LOCAL AMENI

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EDUCATIONAL - CLASSROOM (20 NSF / OCC)

READING ROOMS (50 NSF / OCC)





UNIVERSITY OF ALABAMA CONTACTS

TUSCALOOSA, AL 35401

OFFICE: (205) 348-1622

STEVEN MIZE

P.O. BOX 870294

PLUMBING, HEATING & COOLING

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RICHARD POWELL, P.E. P.O. BOX 870186 TUSCALOOSA, AL 35401 OFFICE: (205) 348-1392 MOBILE: (205) 292-7840

POWER DISTRIBUTION ALABAMA POWER COMPAN CONTACT: RUSSELL HILL 915 OUEEN CITY AVENUE TUSCALOOSA, ALABAMA 35401 (205) 614-1212

POWER TRANSMISSION ALABAMA POWER COMPANY CONTACT: GLEN EASTERWOOD 915 QUEEN CITY AVENUE TUSCALOOSA, ALABAMA 35401

MOBILE: (205) 361-1604 PROJECT MANAGEMEN MARY KATHRYN HOLT P.O. BOX 870186 TUSCALOOSA, AL 35401 OFFICE: (205) 348-5950 MOBILE: (256) 710-5834

ELECTRICAL BILLY KILGORE, P.E. OFFICE: (205) 348-6526 MOBILE: (205) 919-5429

EMAIL: zickl001@ua.edu

UTILITY COMPANY CONTACTS

SPIRE CONTACT: JOHN PRICE 5220 METRO PARK DRIVE TUSCALOOSA, ALABAMA 35401 (205) 349-1050

CABLE TV COMCAST CABLE CONTACT: DANIEL HOLT 1131 WHIGHAM PLACE TUSCALOOSA, ALABAMA 35405 OFFICE:(205) 391-3687 MOBILE:(205) 233-4181

SANITARY SEWER RICHARD POWELL, P.E. P.O. BOX 870186 TUSCALOOSA, AL 35401 OFFICE: (205) 348-1392 MOBILE: (205) 292-7840

LANDSCAPE ARCHITECT BONNER LEE, P.L.A. 1205 14TH STREET, ROOM 2154 TUSCALOOSA, AL 35401 OFFICE: (205) 348-1629 MOBILE: (205) 242-6179

SHANE MERRITT P.O. BOX 870346 TUSCALOOSA, AL 35401 OFFICE: (205) 348-5610 MOBILE: (205) 292-7840

PHON CONTACT: BRETT AVERETT 3121 BUTTERMILK ROAD COTTONDALE, ALABAMA 35453 OFFICE: (205) 562-3095 MOBILE: (205) 764-7045

CITY OF TUSCALOOSA CONTACT OFFICE OF THE CITY ENGINEER CONTACT: MIKE GARDINER, P.E. /P.L.S. 2201 UNIVERSITY BOULEVARD TUSCALOOSA, ALABAMA 35401 (205) 248-5367

MIKE GARDINER WITH THE OFFICE OF THE CITY ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION COMMENCING

CITY OF TUSCALOOSA NOTIFICATION REQUIREMENTS





GENERAL PROJECT NOTES:

CONTRACTOR FAILS TO PERFORM AND BACK CHARGE THE CONTRACTOR FOR ALL COSTS

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE BASED ON LOCATES PROVIDED BY UTILITY OWNERS. THESE LOCATION ("POTHOLING") OR OTHER MEANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES, BOTH OVERHEAD AND UNDERGROUND UTILITIES BY HAND EXCAVATION ("POTHOLING") OR OTHER MEANS. IT IS THE SOLE RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BY HAND EXCAVATION ("POTHOLING") OR OTHER MEANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES, BOTH OVERHEAD AND UNDERGROUND UTILITIES BY HAND EXCAVATION ("POTHOLING") OR OTHER MEANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION ("POTHOLING") OR OTHER MEANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND TO CONDUCT HIS WORK IN A MANNER TO PROTECT HIS EMPLOYEES, SUBCONTRACTORS AND OTHERS FROM HAZARDOUS CONDITIONS ASSOCIATED WITH UTILITIES. NEITHER THE ENGINEER OF THE OWNER ASSUMES ANY RESPONSIBILITY FOR THE SAFE PERFORMANCE OF ANY COMPONENTS OF THE CONTRACTOR'S WORK.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE ACROSS THE PROJECT SITE DURING CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR DEWATERING. THE CONTRACTOR SHALL INSTALL ASPHALT PATCHING WITHIN 24 HOURS AFTER THE COMPLETED INSTALLATION OF UTILITY CROSSING (S) ON ROADWAYS OPEN TO TRAFFIC. IF THE ROADWAY IS CLOSED TO TRAFFIC, THEN ALL ASPHALT CUT LOCATIONS SHALL BE PATCHED BEFORE THE ROADWAY IS REOPENED. 4. 5. ALL ASPHALT MIX SHALL BE HOT MIXED AS SPECIFIED IN THE PLANS. ASPHALT COLD MIXES SHALL NOT BE ACCEPTED. POORLY PATCHED CROSSINGS DISPLAYING NONUNIFORM, UNSMOOTH FINISHES SHALL NOT BE ACCEPTED AND SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE

6. THE CONTRACTOR SHALL KEEP THE PROJECT CLEAN FROM TRASH AND DEBRIS. DISCARDING OF TRASH AND REFUSE IN UTILITY TRENCHES AND/OR OTHER EXCAVATIONS ASSOCIATED WITH THE PROJECT SHALL BE SWEPT AND WASHED DOWN EACH DAY IF NECESSARY TO LIMIT THE TRACKING OF DIRT THROUGH THE PROJECT 7. THE CONTRACTOR SHALL DOCUMENT THE CONDITIONS OF THE PROJECT. SITE AND ADJACENT AREAS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE, MAINTENANCE, CLEANING, ETC. BY ANY AND ALL MEANS NECESSARY OF EXISTING STREETS, PARKING LOTS, CURBS, SIDEWALKS, ETC. DAMAGED BY THE PROJECT AT NO ADDITIONAL COST TO THE PROJECT, AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

AT THE END OF THE PROJECT, THE CONTRACTOR SHALL POWER WASH ALL CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL TO THE CONTRACT COMPENSATION SHALL BE GIVEN.

9. EXISTING SANITARY SEWER. STORM DRAIN. WATER DISTRIBUTION/FIRE PROTECTION. ETC. INFRASTRUCTURE TO BE RETAINED AS PART OF THIS PROJECT SHALL BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THIS INFRASTRUCTURE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION. ETC. INFRASTRUCTURE TO BE RETAINED AS PART OF THIS PROJECT SHALL BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THIS INFRASTRUCTURE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION. ETC. INFRASTRUCTURE TO BE RETAINED AS PART OF THIS PROJECT SHALL BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE. 10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC DEMOLITION ELEMENTS WITHIN THE CONSTRUCTION LIMITS. ALL REQUIRED DEMOLITION DETAILS MAY NOT BE SPECIFIED WITHIN THE CONSTRUCTION LIMITS.

11. THE CONTRACTOR SHALL BE AWARE THAT MULTIPLE UA CONSTRUCTION PROJECTS ARE OR WILL BE ONGOING CONCURRENTLY WITH THIS PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION, AND/OR WORK ASSOCIATED WITH ACCOMMODATING OTHER PROJECTS. THE CONTRACTOR SHALL BE NO ADDITIONAL COSTS FOR SUCH COMMUNICATION, COORDINATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH COMMUNICATION, COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH COMMODATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH COMMODATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH COMMUNICATION, COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THERE SHALL BE NO ADDITIONAL COSTS FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICIPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SHALL ANTICPATE THAT COORDINATION FOR SUCH PROJECTS. THE CONTRACTOR SUCH PROJ 12. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING, RECORD DRAWINGS, AND GPS OF INSTALLED / EXISTING UTILITIES (REFER TO SPECIFICATIONS FOR MORE DETAILED / EXISTING UTILITIES (REFER TO SP

FILES AND FIELD CONTROL AS NECESSARY FOR THE SURVEYORS' USE. 13. AT ALL LOCATIONS WHERE A UTILITY LINE IS UNDER A NEW CURB OR SIDEWALK. THE CONTRACTOR SHALL INSTALL A 2" BRONZE UTILITY MARKER IN THE CURB OR SIDEWALK, A MINIMUM OF ONE (1) MARKER PER CURB AND TWO (2) PER SIDEWALK PLACED 6" FROM EACH EDGE IS REQUIRED. ALL MARKERS WILL BE PROVIDED BY THE UA

14. ALL UTILITY TRENCH BACKFILL SHALL BE INSTALLED AND COMPACTED AS PER THE TRENCH DETAILS, WITH DENSITY TESTS PERFORMED BY A MATERIALS TESTING LAB ON BEHALF OF THE OWNER. SCHEDULING OF ALL TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR

DEMOLITION NOTES:

- OF DURING THE BID PROCESS AND REQUEST CLARIFICATION. NO CLAIMS SHALL BE CONSIDERED AFTER THE PROJECT BIDS RELATED TO THE DEMOLITION AREA. THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE SITE DURING CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE.
- 3. DURING CONSTRUCTION, ANY EXISTING LANDSCAPING AND FENCING TO BE RETAINED SHALL BE PROTECTED AND IF DAMAGED OR REMOVED SHALL BE REPLACED WITH LIKE MATERIALS AS APPROVED BY THE OWNER'S REPRESENTATIVE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL COORDINATE ANY EXISTING TREE REMOVALS WITH THE UNIVERSITY OF ALABAMA LANDSCAPE ARCHITECT WELL IN ADVANCE OF DEMOLITION ACTIVITIES IN THE AREA.
- 5. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT/REPAIR OF ANY IRRIGATION REMOVAL, IF ANY, WITH THE UNIVERSITY OF ALABAMA LANDSCAPE ARCHITECT TO ENSURE MOST OF THE SYSTEM CONTINUES TO OPERATE AS NECESSARY OUTSIDE OF THE LIMITS OF CONSTRUCTION.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF ANY STRUCTURES, UTILITIES, ETC. NECESSARY FOR THE COMPLETION OF THE PROJECT, WHETHER IT IS SPECIFICALLY SHOWN TO BE REMOVED OR NOT
- 8. ALL DEBRIS CREATED FROM CLEARING, GRUBBING, AND DEMOLITION SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF. NO ON-SITE BURIAL OR BURNING OF DEBRIS WILL BE PERMITTED. AND /OR UTILITY OWNER BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT OR THE UTILITY OWNER

EROSION CONTROL NOTES:

- A BEST MANAGEMENT PRACTICES PLAN SHALL AT A MINIMUM, RETURN ALL EXPOSED OR DISTURBED AREAS TO ORIGINAL OR BETTER CONDITION WITH SOLID SOD AND/OR LANDSCAPING. EROSION CONTROL MEASURES, INCLUDING CONSTRUCTION EXIT PADS(S) SHOWN HEREIN TO PREVENT EROSION AND SEDIMENT RUNOFF ARE A MINIMUM AND SHALL NOT BE INTERPRETED AS BEING ALL THAT IS REQUIRED FOR
- THE PROJECT AREA SHALL REMAIN CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO KEEP THE PROJECT AREA CLEAN INCLUDING MOTORIZED STREET SWEEPERS, WATER AND VACUUM TRUCKS, HAND SWEEPING AND AFTER RAIN
- CONTROL, AND STORM WATER MANAGEMENT" SHALL BE UTILIZED TO MINIMIZE EROSION. NO EXTRA COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR FOR MAINTAINING EROSION CONTROL ITEMS, ADDITIONAL EROSION CONTROL ITEMS REQUIRED TO COMPLY WITH THE NPDES PERMIT
- 4. SILT FENCES SHALL HAVE SEDIMENT DEPOSITS REMOVED IF THEY REACH A DEPTH OF FIFTEEN INCHES (15") OR 1/2 THE HEIGHT OF THE FENCE. SEDIMENT REMOVED FROM THE SILT FENCE SHALL BE REMOVED FROM THE SITE. TEMPORARY HYDROMULCHING TO BE INSTALLED ON AN INTERVAL BASIS, ON ALL DISTURBED AREAS, BUT AT A MINIMUM ON ALL DISTURBANCE OR ACTIVE CONSTRUCTION FOR LONGER THAN THIRTEEN (13) DAYS TO BE MULCHED AND SEEDED TO ESTABLISH TEMPORARY VEGETATIVE COVER. THIS INCLUDES STOCKPILED EARTHEN MATERIAL
- ANY FINES INCURRED DUE TO FAILURE TO MAINTAIN EROSION CONTROL MEASURES SHALL BE PAID FOR BY THE CONTRACTOR. ANY ADDITIONAL WORK AND MATERIALS REQUIRED TO COMPLY WITH ANY FINES SHALL BE AT THE CONTRACTOR'S EXPENSE. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO DIRECT ADDITIONAL ITEMS OR REVISE IN-FIELD PLACEMENT OF EROSION CONTROL ITEMS AS DEEMED NECESSARY DURING ALL PHASES OF THE PROJECT
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT ALL SANITARY OR STORM SEWER MAINS AND MANHOLES ON A CONTINUAL BASIS IF CONSTRUCTION DEBRIS OR MATERIALS IN SEWERS. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SUCH DEBRIS OR MATERIAL TO SATISFACTION OF OWNER'S REPRESENTATIVE.
- IMMEDIATELY FOLLOWING EACH RAIN EVENT OR AS DIRECTED BY OWNER'S REPRESENTATIVE
- 10. ALL TEMPORARY AND/OR EXCESS STONE USED FOR CONSTRUCTION ACCESS, SIDEWALKS, ROADWAYS, ETC. SHALL BE COMPLETELY REMOVED FROM THE PROJECT PRIOR TO FINAL SUBGRADE PREPARATION AND SHALL NOT BE WASTED ON-SITE.
- 11. SEE STANDARD DETAILS FOR INLET PROTECTION SPECIFICATIONS AND REQUIREMENTS.
- 12. ALL DEWATERING ACTIVITIES, INCLUDING BUT NOT LIMITED TO THE EXCAVATION PITS ASSOCIATED WITH THE BUILDING CONSTRUCTION AND SEDIMENT TRAPS, MUST DISCHARGE TO A BMP FOR TREATMENT PRIOR TO DISCHARGING TO THE RECEIVING STORM DRAIN. 13. SEE TECHNICAL SPECIFICATIONS FOR PARTICULAR REQUIREMENTS REGARDING DAILY SITE INSPECTIONS OF ALL BMP'S BY CONTRACTOR'S QCI.
- 14. ALL CONCRETE WASHOUT WATER SHALL BE COLLECTED IN A LEAK PROOF CONTAINER SO THAT IT DOES NOT REACH THE SOIL SURFACE WATERS OR INTO GROUNDWATER. ALL OF COLLECTED CONCRETE WASHOUT WATER AND SOLIDS SHALL BE RECYCLED.
- ADMINISTRATION SHAREPOINT PROJECT SITE. THE UA RESERVES THE RIGHT TO WITHHOLD THE CONTRACTOR'S MONTHLY PAYMENT IF THESE REPORTS ARE NOT UPLOADED.
- HAVE NOT BEEN ADDRESSED, THE CITY OF TUSCALOOSA WILL INITIATE ITS ESCALATING ENFORCEMENT PROCEDURE. FOR MORE INFORMATION ON THE ESCALATING ENFORCEMENT PROCEDURE YOU MAY VISIT: https://www.tuscaloosa.com/stormwater/inspections
- S ASSOCIATED WITH STABILIZATION, ADDITIONAL BMP'S, MAINTENANCE, ETC. FOR THESE AREAS SHALL BE INCIDENTAL TO THE OVERALL BID UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE U
- 18. THE CONTRACTOR SHALL INSTALL A TEMPORARY CRUSHED AGGREGATE EXIT PAD(S) TO REDUCE TRACKING ONTO ADJACENT ROADWAYS AT ALL LOCATIONS WHERE CONSTRUCTION EQUIPMENT / VEHICLES LEAVING THE SITE. THE SIZE AND LENGTH SHALL BE AS NECESSARY TO PREVENT TRACKING AND / OR SEDIMENT LEAVING THE SITE. THE SIZE AND LENGTH SHALL BE AS NECESSARY TO PREVENT TRACKING AND / OR SEDIMENT LEAVING THE SITE. THE SIZE AND LENGTH SHALL BE AS NECESSARY TO PREVENT TRACKING AND / OR SEDIMENT LEAVING THE SITE. THE SIZE AND LENGTH SHALL BE AS NECESSARY TO PREVENT TRACKING AND / OR SEDIMENT LEAVING THE SITE. THE SIZE AND LENGTH SHALL BE AS NECESSARY TO PREVENT TRACKING AND / OR SEDIMENT LEAVING THE SITE. MEANS NECESSARY AND / OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COSTS TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION ENTRANCE/EXIT IS CONSIDERED INCIDENTAL TO THE PROJECT REGARDLESS THE NUMBER OF TIMES SUPPLEMENTAL STONE IS REQUIRED ALL STONE SHALL BE COMPLETELY REMOVED FROM THE SITE AT THE END OF THE PROJECT

TRAFFIC CONTROL NOTES:

1. ALL MATERIAL AND CONSTRUCTION SHALL COMPLY WITH CURRENT MUTCD, CITY OF TUSCALOOSA (OFFICE OF THE CITY ENGINEER) AND ALABAMA DEPARTMENT OF TRANSPORTATION STANDARDS AND POLICIES 2. ROAD WORK AHEAD SIGNS SHALL BE POST MOUNTED ON ALL SIDE STREETS THAT FALL WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT.

- LENGTH BETWEEN SIGNS SHALL VARY BASED ON MUTCD AND DESIGN SPEED. THE CONTRACTOR SHALL MODIFY AS PER MUTCD WHEN NECESSARY BASED ON LOCATION OF ROAD WORK.
- ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER. COST SHALL BE INCIDENTAL TO THE PROJECT
- THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION
- GENERALIZED WORK ZONE TRAFFIC CONTROL PLANS HAVE BEEN PROVIDED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW THE MUTCD (LATEST EDITION) FOR ALL TRAFFIC CONTROL NECESSARY FOR HIS EXACT OPERATIONS AND SEQUENCING. ALL MATERIAL USED FOR ROADWAY SIGNAGE SHALL COMPLY WITH SECTION 880 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
- 8. INSTALLATION OF ALL ROADWAY SIGNAGE SHALL COMPLY WITH SECTION 710 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
- UNLESS OTHERWISE NOTED, SIGN SUPPORTS SHALL BE SINGLE "U" CHANNEL STEEL OR ALUMINUM POSTS MEETING THE REQUIREMENTS SET FORTH IN SECTION 880.04 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. 10. TYPE III BARRICADES SHALL MEET THE REQUIREMENTS OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

THE CLOSURE(S) SHALL NOT OCCUR UNTIL SUCH TIME THAT THE UA HAS APPROVED THE NOTICE AND PUBLISHED / DISTRIBUTED THE CLOSURE ANNOUNCEMENT

- 11. WARNING LIGHTS SHALL BE TYPE "A" LOW INTENSITY FLASHING TYPE LIGHTS MEETING THE REQUIREMENTS OF MUTCD LATEST EDITION
- 12. ALL ADVANCE WARNING SIGNS POSTED A THE BEGINNING AND END OF THE PROJECT SHALL BE POST-MOUNTED. SIGNS REQUIRED FOR ANY LANE CLOSURES SHALL BE TEMPORARILY MOUNTED.
- 13. ALTHOUGH PERIODIC ROAD CLOSURES MAY BE REQUIRED DURING THE PROJECT, THE CONTRACTOR SHALL MAINTAIN ACCESS TO BUILDINGS AT ALL TIMES 14. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UA A MINIMUM OF TEN DAYS IN ADVANCE OF ALL LANE AND/OR ROAD CLOSURES PRIOR TO CLOSINGS. THE FORMAT BELOW SHALL BE FOLLOWED WHEN PROVIDING SUCH NOTIFICATION:
- *< > INDICATES INFORMATION THAT SHOULD BE FILLED IN ON A CLOSURE BASIS. PLEASE REMOVE THE BRACKETS WHEN COMPLETING THE DATA.
- ROAD NAME> WILL BE CLOSED BETWEEN <NEAREST INTERSECTING ROAD> AND <OTHER NEAREST INTERSECTING ROAD> FROM <START TIME> <START DAY OF THE WEEK> <END DAY OF THE WEEK> <END DAY OF THE WEEK> <END DAY OF THE MONTH, NOT ABBREVIATED> <FOUR DIGIT END YEAR>. <CONTRACTOR NAME> ON BEHALF OF <OWNER NAME> WILL BE PERFORMING <BRIEF DESCRIPTION OF WORK BEING PERFORMED ROAD CLOSURE LASTING A SINGLE DAY FORMA
- *<ROAD NAME> WILL BE CLOSED BETWEEN <NEAREST INTERSECTING ROAD> AND <OTHER NEAREST INTERSECTING ROAD> AND <OTHER NEAREST INTERSECTING ROAD> FROM <START TIME> UNTIL <END TIME> (A CONTRACTOR NAME> ON BEHALF OF <OWNER NAME> WILL BE PERFORMING <BRIEF DESCRIPTION OF WORK BEING PERFORMED> (CONTRACTOR NAME> ON BEHALF OF <OWNER NAME> WILL BE PERFORMING <BRIEF DESCRIPTION OF WORK BEING PERFORMED> (CONTRACTOR NAME> ON BEHALF OF <OWNER NAME> WILL BE PERFORMING <BRIEF DESCRIPTION OF WORK BEING PERFORMED> (CONTRACTOR NAME> PAUL BRYANT DRIVE WILL BE CLOSED BETWEEN 10TH AVENUE AND WALLACE WADE AVENUE FROM 8:00 A.M. MONDAY FEBRUARY 22, 2021 UNTIL 5:00 P.M. FRIDAY MARCH 5, 2021. ABC CONTRACTING ON BEHALF OF THE UNIVERSITY OF ALABAMA WILL BE INSTALLING UTILITIES UNDER A PERMIT ISSUED BY THE CITY OF TUSCALOOSA.

WATER DISTRIBUTION NOTES:

- ALL APPLICABLE SUBCONTRACTORS
- 72 HOURS NOTICE PRIOR TO ANY SHUT-DOWNS SHALL BE REQUIRED. ONCE SHUT-DOWN BEGINS, THE CONTRACTOR SHALL HAVE ADEQUATE PERSONNEL, EQUIPMENT, AND MATERIALS TO WORK CONTINUOUSLY FROM THE TIME OF THE SHUTDOWN UNTIL THE WATER SERVICE IS RE-ESTABLISHED
- STANDARDS. DURING CONSTRUCTION, INCLUDING WATERMAIN FLUSHING AND TESTING OPERATIONS, COST OF WATER USAGE SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR AND BE INCIDENTAL TO THE OVERALL COST OF WATER BOXES, ANY FITTINGS, CONNECTIONS, ETC. SHALL BE INCIDENTAL TO THE OVERALL PROJECT
- ALL UA PORTIONS OF THE BELOW GRADE UA DOMESTIC WATER DISTRIBUTION SYSTEM SHALL BE HDPE, INCLUDING ALL FITTINGS, JOINTS, BENDS, ETC., JOINED BY HEAT FUSION METHOD.
- ALL MAINS AND SERVICE LINES SHALL HAVE 30" MINIMUM COVER SHALL BE MAINTAINED FROM EXISTING GROUND ELEVATIONS. TO THE TOP OF THE WATERMAINS SHALL BE INSTALLED BENEATH EXISTING UTILITIES AS NECESSARY TO PROVIDE 30" MINIMUM COVER, WITH ALL REQUIRED FITTINGS, BENDS, ETC.
- A PRECONSTRUCTION MEETING IS REQUIRED WITH THE CITY OF TUSCALOOSA OFFICE OF THE CITY ENGINEER PRIOR TO BEGINNING PUBLIC SIDE WATER SYSTEM EXPANSION. WATER METER PURCHASE AND MATERIAL SUBMITTAL REVIEW AND APPROVAL IS REQUIRED WITH THE CITY OF TUSCALOOSA OFFICE OF THE CITY ENGINEER PRIOR TO BEGINNING PUBLIC SIDE WATER SYSTEM EXPANSION. WATER METER PURCHASE AND MATERIAL SUBMITTAL REVIEW AND APPROVAL IS REQUIRED WITH THE CITY OF TUSCALOOSA OFFICE OF THE CITY ENGINEER PRIOR TO BEGINNING PUBLIC SIDE WATER SYSTEM EXPANSION. WATER METER PURCHASE AND MATERIAL SUBMITTAL REVIEW AND APPROVAL IS REQUIRED WITH THE CITY OF TUSCALOOSA OFFICE OF THE CITY ENGINEER PRIOR TO BEGINNING PUBLIC SIDE WATER SYSTEM EXPANSION. ALL UTILITY TRENCH BACKFILL SHALL BE INSTALLED AND COMPACTED PER TRENCH DETAILS WITH IN-PLACE DENSITY TESTS PERFORMED BY AN APPROVED GEOTECHNICAL TESTING FIRM. SCHEDULING OF ALL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAPPING OF EXISTING WATERMAINS. THE CITY OF TUSCALOOSA REPRESENTATIVE SHALL BE "BLOCKED" TO PREVENT STRESSES ON MAINS DURING THE TAPPING OPERATION., INCLUDING PLACEMENT OF THE SLEEVE, TESTING, ETC. TAPPING OF EXISTING, ETC. TAPPING OF EXISTING WATERMAINS. THE CITY OF TUSCALOOSA REPRESENTATIVE SHALL BE "BLOCKED" TO PREVENT STRESSES ON MAINS DURING THE TAPPING OF EXISTING, ETC. TAPPING OF EXISTING, ETC. TAPPING OF EXISTING, ETC. TAPPING OF EXISTING OF EXISTING
- WATERMAINS. ALL TAPPING SLEEVES SHALL BE FULL BODY DUCTILE IRON MECHANICAL JOINT SLEEVES (NO FABRICATED SLEEVES ALLOWED). 10. ALL WATER DISTRIBUTION SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF TUSCALOOSA AND UA SPECIFICATIONS.

SANITARY SEWER NOTES

- BE HIS RESPONSIBILITY
- UNLESS OTHERWISE NOTED, THE COST OF INVERTS AND STEPS SHALL BE INCLUDED IN THE PRICE FOR SANITARY SEWER STRUCTURES. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR INVERTS AND STEPS
- UNLESS OTHERWISE NOTED, THE COST OF RINGS AND COVERS SHALL BE INCLUDED IN THE PRICE FOR SANITARY SEWER STRUCTURES. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR RINGS AND COVERS PRECAST CONCRETE MANHOLES SHALL BE SIZED TO ACCOMMODATE REQUIRED PIPE ALIGNMENTS & ELEVATIONS AS SHOWN IN CONSTRUCTION PLANS, BUT IN NO CASE SHALL MANHOLES LESS THAN 48" INSIDE DIAMETER.
- SANITARY SEWER STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE SANITARY SEWER STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
- ALL REQUIRED SANITARY SEWER RINGS/COVERS WITHIN PAVED AREAS SHALL MATCH TOP AND SLOPE OF ASPHALT FINISHED GRADE. PORTIONS OF ANY RING/COVERS AND/OR MANHOLES SHALL BE REMOVED AND RESET AS NECESSARY, IF THIS REQUIREMENT IS NOT MET. WHEN CONNECTING TO EXISTING UTILITIES WITH PROPOSED SANITARY SEWER MANHOLES, THE CONTRACTOR SHALL USE EXTREME CARE TO ONLY EXCAVATE AND REMOVE THE MINIMAL AMOUNT OF PIPING NECESSARY TO INSTALL THE STRUCTURE. DAMAGE CAUSED BY OVER-EXCAVATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT AT NO ADDITIONAL COST TO THE PROJECT.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF TUSCALOOSA SANITARY SEWER SPECIFICATIONS.
- SANITARY SEWER AND SANITARY SEWER LATERALS SHALL BE INSTALLED AND TESTED AS PER CITY OF TUSCALOOSA REQUIREMENTS. SANITARY SEWER MAINS AND LATERALS (6" AND GREATER) SHALL, AS A MINIMUM BE AIR AND MANDREL TESTED IN THE PRESENCE OF A CITY OF TUSCALOOSA INSPECTOR PRIOR TO CONNECTING TO THE EXISTING SEWER AND/OR STRUCTURES. THE CONTRACTOR SHALL ALSO REQUEST A CCTV INSPECTION OF SEWER MAINS AND LATERALS (6" OR GREATER BY THE CITY OF TUSCALOOSA REQUIREMENTS. SANITARY SEWER MAIN AND/OR STRUCTURES. CONTRACTOR SHALL ALSO REQUEST A CCTV INSPECTION OF SEWER MAINS AND LATERALS 6" OR GREATER BY THE CITY OF TUSCALOOSA PRIOR TO CONNECTION TO THE SEWER MAIN AND/OR STRUCTURES. CONTRACTOR SHALL ALSO REQUEST A CCTV INSPECTION OF SEWER MAINS AND LATERALS 6" OR GREATER BY THE CITY OF TUSCALOOSA PRIOR TO CONNECTION TO THE SEWER MAIN AND/OR STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SANITARY SEWER WORK WITH THE CITY OF TUSCALOOSA, THROUGH THE OWNER'S REPRESENTATIVE.
- 11. CONTRACTOR SHALL PERFORM ANY BY-PASS PUMPING OF EXISTING SEWER DURING THE INSTALLATION AND CONNECTIONS OF SANITARY SEWER ASSOCIATED WITH THE PROJECT. BY-PASS PUMPING SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF SANITARY SEWER MAINS AND LATERAL RE-CONNECTIONS
- WASTEWATER IN A SANITARY MANNER WITHOUT, AT ANY TIME, PERMITTING THE DISCHARGE OF WASTEWATER INTO THE ENVIRONMENT OR CREATING THE SUBMITTED BY THE SUB-CONTRACTOR TO THE OFFICE OF CITY ENGINEER FOR REVIEW AND APPROVAL BEFORE COMMENCING ANY CONSTRUCTION ACTIVITY. 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ANY AND ALL REQUIREMENTS OF THE REQUIRED CITY OF TUSCALOOSA SANITARY SEWER CONSTRUCTION PERMIT (PERMIT). THE PERMIT WILL BE OBTAINED BY THE UA.
- PERMITS" SHALL BE INCIDENTAL TO THE PROJECT.
- 15. A LICENSED PLUMBER (STATE OF ALABAMA) MUST PERFORM ALL WORK ASSOCIATED WITH CONSTRUCTION/RECONSTRUCTION/CONNECTIONS OF SEWER SERVICE LINES (LATERALS) BEYOND PUBLIC ROAD RIGHT-OF-WAY.

GAS SYSTEM NOTES

- 1. INSTALL A ¾" Ø PE2406 PIPE WITH INTERIM TRACER WIRE ALONG THE TOP OF THE DISTRIBUTION PIPE. ATTACH THE TRACER WIRE TO TRANSITION RISER ABOVE GROUND FOR PIPING LOCATING
- 2 ALL MAINS SHALL HAVE A MINIMUM COVER OF 36" FROM FINISHED GRADE TO TOP OF PIPE
- 3. GAS SYSTEM SUBCONTRACTOR SHALL BE TRAINED AND CERTIFIED FOR USE AND INSTALLATION OF POLYETHYLENE PIPE. UAC 2000 SYSTEM TO BE JOINED BY BUTT FUSION, UNLESS OTHER ACCEPTABLE METHOD IS APPROVED. FOLLOW AGA OR ASTM INSTALLATION SUGGESTIONS AND RECOMMENDATIONS.

GAS SYSTEM SPECIFICATIONS

- 1. POLY PIPE GDY20 PE2406/PE2708 SDR 11.0 YELLOW MDPE PIPE FOR NATURAL GAS DISTRIBUTION OR APPROVED EQUAL.
- 2. CENTRAL PLASTICS COMPANY FITTINGS, PE2406 CAPS, TEES, ELBOWS, BUTT FUSION, OR APPROVED EQUAL
- 3. CENTRAL PLASTICS COMPANY ANODELESS RISERS W/ PE2406 / 2708 PIPE WITH TRACER WIRE CONNECTIONS. SCHEDULE 40 STEEL GAS CARRIER FOR WELDED CONNECTIONS. STEEL PROTECTED WITH ELECTROSTATICALLY APPLIED FUSION-BONDED EPOXY POWDER COATING SPECIFICALLY DESIGNED FOR THE EXTERIOR OF GAS PETROLEUM PIPELINES. 2", 6", AS NEEDED 4. POLYBALL PE2406 BALL VALVES, FULL PORT, SDR11.0, BUTT FUSION, OR APPROVED EQUAL.
- 5. TYLER UNION 6855 SLIP TYPE VALVE BOX, C.I., 2-PIECE WITH CAP INDICATING "GAS," OR EQUAL. SELECT FOR APPLICATION OR APPROVED EQUAL BY OTHERS.
- 6. ACCEPTABLE MANUFACTURERS: M.T. DEASON, KEROTEST, POLYBALL, CENTRAL PLASTICS.

7. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM A 24-HOUR AIR TEST OF THE ENTIRE SYSTEM BEFORE GAS IS INTRODUCED TO THE SYSTEM. ALL TESTING PROCEDURES AND RESULTS SHALL BE REVIEWED BY A PROFESSIONAL ENGINEER, LICENSED IN THE SYSTEM BEFORE GAS IS INTRODUCED TO THE SYSTEM. ALL TESTING PROCEDURES AND RESULTS SHALL BE REVIEWED BY A PROFESSIONAL ENGINEER, LICENSED IN THE SYSTEM BEFORE GAS IS INTRODUCED TO THE SYSTEM. ALL TESTING PROCEDURES AND RESULTS SHALL BE REVIEWED BY A PROFESSIONAL ENGINEER, LICENSED IN THE SYSTEM BEFORE GAS IS INTRODUCED TO THE SYSTEM. BY THE LICENSED ENGINEER, GAS MAY BE INTRODUCED INTO THE SYSTEM IN COORDINATION WITH ALAGASCO, OWNER, BUILDING CONTRACTOR, AND SURROUNDING PROPERTY OWNER

8. ALL REQUIRED MATERIAL SUBMITTALS FOR THE PROJECT MATERIALS SHALL BE REVIEWED AND STAMPED APPROVED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALABAMA. HE SHALL ALSO MAKE PERIODIC SITE VISITS DURING THE GAS SYSTEM INSTALLATION, TESTING, AND GAS INTRODUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGED AREA BACK TO ITS ORIGINAL CONDITION, ROUTINELY MOWING/EDGING/WEED EATING (MINIMUM OF BI-WEEKLY) ALL GRASS, PRUNING OF LANDSCAPE AREAS INSIDE THE SITE CONSTRAINT FENCING DURING THE ENTIRE COURSE OF THE PROJECT AT NO ADDITIONAL COSTS TO THE OWNER. OWNER RESERVES THE RIGHT TO PERFORM THE WORK OR HIRE A 3RD PARTY LANDSCAPE CREW IF

THE APPROXIMATE AREAS OF WORK HAVE BEEN OUTLINED ON THE DEMOLITION PLAN. IT IS NOT PRACTICAL TO LABEL EVERY SPECIFIC ITEMS THAT FALL IN THE HATCHED AREA OF JUST OUTSIDE OF IT THAT SHALL BE RETAINED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HIGHLIGHT ANY ITEMS HE IS UNSURE

ALL AREAS DISTURBED BY THE CONTRACTOR INCLUDING BUT NOT LIMITED TO ACTUAL IMPROVED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED PER THE REQUIREMENTS OF THE PLANS, NO EXCEPTIONS. THE NOTED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY THE CONTRACTOR INCLUDING BUT NOT LIMITED TO ACTUAL IMPROVED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED PER THE REQUIREMENTS OF THE PLANS, NO EXCEPTIONS. THE NOTED AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED PER THE REQUIREMENTS OF THE PLANS, NO EXCEPTIONS. THE NOTED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED PER THE REQUIREMENTS OF THE PLANS, NO EXCEPTIONS. THE NOTED AREAS, AREAS DISTURBED AREAS, AREAS DISTURBEDAREAS, AREAS DISTURBED AREAS, AREAS DISTURBEDA

EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN TAKEN FROM LINE LOCATES AND/OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE RESOURCES AND ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY, THROUGH THE UA, ALABAMA ONE CALL OR OTHER AVAILABLE AVAILAB

HE PROJECT. CONTRACTOR SHALL BE MINDFUL DURING ALL PHASES OF THE PROJECT AND INSTALL AND UTILIZE ANY AND ALL ADDITIONAL ITEMS NECESSARY TO CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS", CURRENT

THE CONTRACTOR SHALL BE RESPONSIBLE FOR USING BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL THROUGHOUT CONSTRUCTION. AN EROSION CONTROL PLAN IS PROVIDED IN THE "ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT

CONTRACTOR SHALL BE OBSERVANT OF FORECASTED RAIN EVENTS AND PROMPTLY REPAIR, MAINTAIN, INSTALL NECESSARY EROSION OR SEDIMENTATION FROM ALL EROSION CONTROL ITEMS, STRUCTURES, TRAPS, BASINS, ETC. AND REPAIR, MAINTAIN, RE-INSTALL, SUPPLEMENT SUCH

15. THE UNIVERSITY OF ALABAMA HOLDS A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (NPDES) FOR THE ENTIRE UNIVERSITY CAMPUS. THIS INSPECTION OF BMP'S FOR ANY SITE WHERE THERE IS SITE DISTURBANCE ACTIVITY. THIS INSPECTION SHALL NOTE ANY RAINFALL MEASUREMENTS AND ANY APPARENT BMP DEFICIENCIES. ALL INSPECTIONS MUST BE PERFORMED BY A QUALIFIED CREDENTIALED INSPECTOR (QCI), QUALIFIED CREDENTIALED PROFESSIONAL (QCP), A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP, OR SOMEONE THAT IS KNOWLEDGEABLE OF BMP'S AND HAS BEEN APPROVED IN WRITING BY THE UA. IN ADDITION, THE CONTRACTOR MUST MAINTAIN A LOG OF ALL DAILY INSPECTIONS AND HAVE IT UPLOADED MONTHLY TO THE CONSTRUCTION 16. THE CITY OF TUSCALOOSA WILL PERFORM MONTHLY SITE INSPECTIONS TO MONITOR COMPLIANCE TO ADEM REQUIREMENTS. IF DEFICIENCIES ARE NOTED, AN INSPECTION WILL BE PERFORMED 7 DAYS FOLLOWING THE INITIAL INSPECTION TO DOCUMENT CORRECTED BMP'S. AT THIS TIME, IF ISSUES ON-SITE 17. ANY AND ALL AREAS DISTURBED AS PART OF THIS PROJECT, INCLUDING BUT NOT NECESSARILY LIMITED TO AREAS ASSOCIATED WITH LAYDOWN, SITE TRAILERS, ETC., SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL BMP'S, MAINTENANCE OF EROSION CONTROL BMP'S, ETC., AS REQUIRED FOR ADDITIONAL BE PERMANENTLY STABILIZED UPON PROJECT COMPLETION. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL BMP'S, MAINTENANCE OF EROSION CONTROL BMP'S, ETC., AS REQUIRED FOR ADDITIONAL

THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM IS OWNED AND OPERATED BY THE CITY OF TUSCALOOSA AND THE UA. THE CONTRACTOR SHALL NOT AT ANY TIME OPERATE ALL VALVING OVERATE ALL VALVING OVERATE ALL VALVING TO EXISTING WATER VALVES AND FIRE HYDRANTS. THE CITY OF TUSCALOOSA OFFICE OF THE CITY ENGINEER (OCE), WATER DISTRIBUTION DIVISION PERSONNEL AND THE UA FIELD COORDINATOR(S) SHALL OPERATE ALL VALVING OWNED BY EACH ENTITY RESPECTIVELY WHEN REQUIRED. TAPS AND CONNECTIONS TO EXISTING MAINS SHALL BE APPROVED AND COORDINATED WITH OCE, WATER DISTRIBUTION OF THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR AND THE WATER DISTRIBUTION OF THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR AND THE WATER DISTRIBUTION OF THE WATER DISTRIBUTION OF THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR AND THE WATER DISTRIBUTION OF THE WATER DISTRIBUTION OF THE WATER DISTRIBUTION OF THE CONTRACTOR FOR IMPROPER OPERATION OF THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR AND

FOR INTERRUPTION OF EXISTING DOMESTIC AND FIRE WATER SERVICE, THE CONTRACTOR SHALL ANTICIPATE ANY REQUIRED SHUTDOWNS ASSOCIATED WITH THE WATERMAIN CONNECTIONS, METER INSTALLATIONS, AND/OR TIE-INS TO BE PERFORMED AFTER HOURS (6:00 PM - 6:00 AM) OR ON WEEKENDS AT TIMES / DATES DETERMINED AND APPROVED BY THE UA AND THE CITY OF TUSCALOOSA. A MINIMUM OF

ALL MATERIALS, WITH THE EXCEPTION OF THE CITY OF TUSCALOOSA WATER METER ASSEMBLY, SHALL BE PROVIDED BY THE CONTRACTOR. ALL CONTRACTOR. ALL CONTRACTOR. ALL CONTRACTOR. ALL CONTRACTOR. FOR THIS PROJECT, THERE ARE NO CITY WATER / SEWER SERVICE ASSESSMENT OR IMPACT FEES ASSOCIATED WITH THE PROPOSED NEW WATER METERS. THE CONTRACTOR WILL BE RESPONSIBLE FOR APPLYING FOR AND PAYMENT OF THE TYPICAL CITY OF TUSCALOOSA DOMESTIC WATER METER FEES / COSTS FOR THE DOMESTIC WATER METER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE ONE (1) EACH 3/4" DOMESTIC WATER METER SEMBLY (\$1,018.00), ONE (1) EACH 2" IRRIGATION METER ASSEMBLY (\$3,250.00), AND ONE (1) EACH 6" FIRE DETECTOR METER (\$358.20), BASED ON THE CURRENT CITY OF TUSCALOOSA REGULATIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COSTS ASSOCIATED WITH THE REQUIRED BACTERIOLOGICAL TESTS ON BOTH THE CITY AND UA DOMESTIC / FIRE WATER MAINS, ALONG WITH ANY CITY INSPECTION / OBSERVATION FEES PER CURRENT CITY

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL METERS / VAULTS. THE CITY OF TUSCALOOSA DOMESTIC WATER METER ASSEMBLY, INCLUDING THE ASSEMBLY, INCLUDING THE ASSEMBLY, INCLUDING THE ASSEMBLY, INCLUDING THE CONTRACTOR.

THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS OF EXISTING UTILITIES BEFORE INSTALLING REQUIRED SANITARY SEWER STRUCTURES AND PIPING. THE CONTRACTOR DOES NOT POTHOLE AND SHOOT EXISTING UTILITY ELEVATIONS FOR DESIGN VERIFICATION, ANY RECONSTRUCTION SHALL

12. THE SUB-CONTRACTOR RESPONSIBLE FOR INSTALLATION OF SANITARY SEWER SHALL SUBMIT TO THE CITY ENGINEER, 14 DAYS PRIOR TO COMMENCING CONSTRUCTION, A WASTEWATER CONTAINING AND TECHNIQUES TO BE EMPLOYED BY THE SUB-CONTRACTOR FOR CONTAINING AND TRANSPORTING AND TR

FOR ALL CONSTRUCTION/RECONSTRUCTION/CONNECTIONS OF SEWER SERVICE LINES (LATERALS) BEYOND PUBLIC ROAD RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A "PLUMBING PERMIT" FROM THE OFFICE OF THE CITY OF TUSCALOOSA PLANNING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING A "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING A "PLUMBING A "PLUMBING PERMIT" FROM THE OFFICE OF THE CITY OF TUSCALOOSA PLANNING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING AND DEVELOPMENT SERVICES. UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION DOCUMENTS, COSTS FOR THE "PLUMBING A "PLUMBING





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- CONTRACTOR TO HAVE THE WEST BOUND VEHICULAR AND BIKE LANE FROM 7:00 A.M. MAY 6, 2024 THROUGH 6:00 P.M. MAY 31, 2024. TWO-WAY TRAFFIC TO BE MAINTAINED AT ALL TIMES ALONG UNIVERSITY BOULEVARD DURING THIS TIME FRAME. ANY DISTURBANCES TO TRAFFIC SHALL BE FOR SHORT TERM DURATION (ONE(1) HOUR OR LESS) AND ONLY AS APPROVED BY UA WITH NOTIFICATION A MINIMUM OF TWO (2) WEEKS IN ADVANCE FROM THE CONTRACTOR. UA SHALL NOT BE OBLIGATED TO GRANT ANY SUCH SHORT TERM DISTURBANCES. AREA TO BE CLEAR OF ANY MATERIALS, VEHICLES, ETC. BY 6:00 P.M. MAY 31, 2024 TO ACCOMMODATE WORK ON SEPARATE UA STREET/INFRASTRUCTURE PROJECT.
- CONTRACTOR SHALL ANTICIPATE NOT HAVING ACCESS FROM THE EAST (WEST BOUND TRAFFIC) STARTING APPROXIMATELY JUNE 1 DUE TO CLOSURE OF UNIVERSITY BOULEVARD/ COLONIAL DRIVE INTERSECTION BY SEPARATE PROJECT.
- CONTRACTOR NOT TO ANTICIPATE USE OF THIS AREA DURING CONSTRUCTION FOR ACCESS, LAYDOWN, STAGING, ETC. DUE TO POTENTIAL CONFLICT AND WORK ASSOCIATED WITH THE SEPARATE UA PROJECT.
- JUST PRIOR TO THE JUNE 1, 2024 SHUTDOWN OF THE COLONIAL DRIVE/UNIVERSITY BOULEVARD INTERSECTION, ALL TRAFFIC CONTROL ITEMS WEST OF STADIUM DRIVE AND EAST OF THE WEST SIDE OF UNIVERSITY BOULEVARD TO BE REMOVED IN COORDINATION/ SEQUENCING WITH THE COLONIAL DRIVE PROJECT TRAFFIC CONTROL.



REQ'D: TRAFFIC CONTROL SIGNAGE, ROAD WORK AHEAD (W20-1) -



REQ'D: TRAFFIC CONTROL SIGNAGE, LANE SHIFT AHEAD -(SAME SIZE AS W20-1)



DENNY CHIMES

UNIVERSITY BOULEVARD

EAST ANNEX

PRESIDENT'S MANSION







SEDIMENT CONTROL LOG NOTES: WHEN STAKING THE SEDIMENT CONTROL LOG, THE STAKES SHALL NOT PENETRATE THE SEDIMENT LOG MATERIAL. STAKES SHALL ONLY PENETRATE THE SEDIMENT LOG

NETTING FABRIC. 2. SEDIMENT CONTROL LOGS SHALL BE CURLEX SEDIMENT LOGS AS MANUFACTURED BY AMERICAN EXCELSIOR COMPANY (AEC) OR APPROVED EQUAL.

SEDIMENT CONTROL LOG (WATTLE)

1. SEDIMENT TRAP SHALL BE ACCESSIBLE FOR PERIODIC SEDIMENT REMOVAL.

- 2. SEDIMENT TRAP SHALL BE INSPECTED FOLLOWING EACH RAINFALL EVENT TO EVALUATE OPERATION AND ACCUMULATED SEDIMENT VOLUME.
- 3. CONTRACTOR SHALL REMOVE SEDIMENT FROM THE TRAP WHEN SEDIMENT REACHES $\frac{1}{2}$ OF THE DESIGN VOLUME.
- 4. SLOPES WITHIN THE SEDIMENT TRAP SHALL BE COMPACTED TO ENSURE STABILITY.
- 5. IN THE EVENT THE SEDIMENT TRAP MUST BE DEWATERED (PUMPED OUT), THE WATER SHALL BE DISCHARGED UP-GRADIENT OF EXISTING BMP'S AND SHALL NOT BE DISCHARGED DIRECTLY INTO RECEIVING WATERS OR STORM DRAINS.
- 6. AS CONSTRUCTION PROGRESSES AND DRAINAGE PATTERNS CHANGE, THE SEDIMENT TRAP SHALL BE MODIFIED AS NECESSARY TO PROVIDE STORAGE VOLUME OF 67 C.Y. PER ACRE OF DRAINAGE AREA.

EROSION CONTROL SEDIMENT TRAP

	TOP RAIL CAPS SHALL BE STEE PERMANENTLY FASTENED TO POST WITH MINIMUM OF THR SELF- TAPPING SCREWS EVENI	L LOOP CAPS ALL LINE AND CORNER EE (3)-1/4" x 1" LONG HEX HEAD Y SPACED AROUND POST.
	TOP RAIL PIPE TUB 9 GAUGE CONNECT FABRIC TO 1 WITH 9 GAUGE CLIPS / LINE POSTS SHALL BE N GALVANIZED PIPE TUBI	. SHALL BE MINIMUM OF 1 5/8" O.D. GALVANIZED ING AT 2.27 LBS PER LINEAR FOOT WITH MINIMU CLIPS 24" O.C. INE POSTS AT 15" O.C. IINIMUM OF 2-3/8" O.D. NG AT 3.65 LB PER LINEAL FOOT
 40"	NN N	

- REQ'D WOOD STAKE (TYPICAL) - WOOD STAKE SHALL PENETRATE THE

OG AND LOG MATERIAL NETTING FOR PROPER ANCHORING

- GROUND LINE

WASH PIT NOTES: 1. PLASTIC LINER SHALL BE A MINIMUM 10 MIL. AND BE INSTALLED IN SUCH A MANNER TO PREVENT ANY LEAKAGE OR LOSS OF CONTAINMENT / WASH PIT WATER, CONCRETE, SLURRY, ETC. LINER SHALL BE SOLID SECTION WHERE POSSIBLE. IF MULTIPLE SHEETS NEEDED, LAPS SHALL BE A MINIMUM OF THREE (3) FEET AND BE SECURED / SEAMED SO THAT NO LEAKAGE OCCURS.

2. THE ENTIRE EXCAVATED PIT AND SAND BAGS SHALL BE COMPLETELY COVERED WITH THE PLASTIC LINER. THE LINER SHALL OVERLAP THE OUTSIDE EDGE OF THE SAND BAGS A MINIMUM OF EIGHTEEN (18) INCHES AND BE COVERED WITH EARTHEN FILL FOR SECURING THE EDGE AS PER THE DETAIL.

- 3. ADJACENT AND SURROUNDING STORM WATER SURFACE RUN-OFF SHALL BE DIVERTED AWAY FROM THE WASH PIT AREA TO AVOID RUN-OFF ENTERING THE PIT AND CREATING AN UNNECESSARY OVERFLOW. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PIT DURING ALL RAIN EVENTS BY ANY MEANS NECESSARY, INCLUDING BUT NOT NECESSARILY LIMITED TO KEEPING THE WATER LEVEL AT TO A MINIMUM AT ALL TIMES OR COVERING OF THE PIT AREA.
- 5. THE WATER LEVEL IN THE PIT SHALL BE MAINTAINED BY ANY MEANS NECESSARY SUCH THAT THE PIT CAPACITY DOES NOT EXCEED 75%. UNDER NO CIRCUMSTANCES SHALL THE WATER AND / OR SLURRY, CEMENT, OR SOLIDS LEVEL BE HIGHER THAN TWELVE (12) FROM THE TOP OF THE PLASTIC LINER LEVEL. ANY WATER REMOVED FROM THE PIT SHALL NOT BE ALLOWED TO DISCHARGE TO THE SITE OR ADJACENT INLETS, BUT RATHER BE COLLECTED AND DISPOSED OF OFF-SITE IN AN APPROPRIATE MANNER FOR DISCHARGE OF POTENTIAL CONTAMINANT MATERIALS. ANY SOLIDS SUCH AS STONE, CONCRETE, ETC. SHALL BE REMOVED
- ONCE HARDENED. SUCH MATERIAL MAY BE REPROCESSED AND USED ON-SITE IF APPLICABLE PER THE EARTH WORK SPECIFICATIONS, OR DISPOSED OF OFF SITE AT NO ADDITIONAL COST TO THE OWNER. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPLACING, REPAIRING, MENDING, ETC. ANY DAMAGES TO THE WASH PIT AREA, INCLUDING BUT NOT NECESSARILY LIMITED TO TEARS OR DISLODGED SAND BAGS, LINER, ETC. AT NO ADDITIONAL COST TO THE OWNER.

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NOTES:

(TYPICAL)

1. SAND, PRIME, AND PAINT CAP, BOLTS, AND PIPE WITH 2 COATS OF ENAMEL PAINT, GLOSS BLACK, AND URETHANE FINISH. 2. BOLT CAP TO TUBE WITH 3/16" 1024 S.S. BOLTS, DRILLED AND TAPPED ON 2 SIDES

BASIS OF DESIGN: PPG PROTECTIVE AND MARINE COATINGS SURFACE PREP: SSPC SP6 MINIMUM WITH BLAST SURFACE PROFILE BETWEEN 1.5 AND 2 MILS. TWO-PART ZINC RICH EPOXY - PPG AMERLOCK 2 (1-COAT) FINISH COAT: ALAPHATIC POLYESTER URETHANE - PPG AMERSHIELD, BLACK COLOR (2-COATS)

- 5/16" STAINLESS STEEL "QUICK LINK" WELDED TO

→ 18" → 1

UTILITY MARKERS - CURB AND SIDEWALK

EXPANSION JOINTS - MAXIMUM 30 ft. ON CENTER -

JOINT SPACING EQUAL

TO WIDTH OF WALK

SCORED JOINT LINE FOR

CURB REPRESENTATION

3" RADIUS 4

WIDTH VARIES

SLOPE 2% MAX

INTEGRAL CURB AND SIDEWALK DETAIL - SECTION

MATURAL SUBGRADE OR FILL COMPACTED TO 98% SPD PER ASTM D 698

SCORED JOINT SPACING AS SHOWN -

ON CONSTRUCTION PLANS

TEXTURE / BROOM FINISH -----

SEE NOTE 2 BELOW (TYPICAL)

SCORED JOINT LINE FOR BACK J

TURN DOWN (TYPICAL)

4" THICK ALDOT 825 TYPE 'B' CRUSHED AGGREGATE LIMESTONE BASE LAYER COMPACTED TO 95% SPD PER ASTM D 698

OF CURB REPRESENTATION

NOTED.

INFORMATION/GUIDELINES.

4" TROWEL EDGE

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DUNCAN ASSOC	□ A
CIVIL ENGINEERING SUF	۲VE
FILE NAME: McLure Plaza-Details	D
PROJECT NUMBER: 23-134	С

EXAMPLE AND A CONTRACT OF A CO

GUARDRAIL ELEVATION - LOWER COURTYARD WALL Scale: 3/4" = 1'-0"

BRICK PAVER INLAY

Scale: 1" = 1'-0"

			GUARDRAIL	──
AR STEEL POST, TYP.				
L RING ULAR STEEL DIAL PATTERN	EQUAL TYP. STEEL HANDRAIL - SEE 1 L3.01		EQUAL TYP. GUARDRAIL – SEE 1	
ZA WALL (BEYOND)		3 3/4 "		
			MAX. O.C., TYP.	
		, m		
		RAILING NOTES 1. FABRICATE RAILINGS FROM FIEL 2. GRIND ALL WELDS SMOOTH TO A 3. FINISHED PANELS/POSTS TO BE STANDARD MATTE BLACK. 4. SUBMIT SHOP DRAWINGS FOR L/PRODUCTS, ATTACHMENT METHOR	D-MEASURED CONDITIONS. ADJACENT SURFACES. MINIMIZE VISUAL IMPERFECTION SHOP PRIMED AND POWDER-COATED IN MAUFACTUR ANDSCAPE ARCHITECT'S REVIEW AND APPROVAL. ID ODS (INCLUDING WELD TYPES), AND CRITICAL DIMEN	DNS. RER'S DENTIFY ISIONS.

	TING SCHEDULE					
es						
uantity	Botanical Name	Common Name	Root	Scheduled Size	Spacing	Comments
4	Amelanchier x grandiflora 'Autumn Brilliance'	SERVICEBERRY	B&B	2 1/2 - 3" cal.	As Shown	Matched; 3 trunks; min. 1 1/4" per trunk
7	llex hybrid 'Mary Nell'	MARY NELL HOLLY	B&B	8'-10' ht.	As Shown	
4	Ilex x attenuata 'Fosteri'	FOSTER HOLLY	B&B	12'-14' ht.	As Shown	Matched, tree form, standard
3	Lagerstroemia indica 'Tuscarora'	TUSCARORA CRAPEMYRTLE	B&B	12'-14' ht.	As Shown	Matched; 3 or 5 trunks; min. 1 1/4" per trunk
1	Magnolia grandiflora 'Claudia Wannamaker'	MAGNOLIA	B&B	8'-10' ht.	As Shown	
rubs						
uantity	Botanical Name	Common Name	Root	Scheduled Size	Spacing	Comments
55	Abelia x grandiflora 'Kaleidoscope' P.P.# 16,988	KALEIDOSCOPE ABELIA	Cont.	7 gal.	2'6" o.c.	
106	Azalea 'George L. Taber'	GEORGE L. TABER AZALEA	Cont.	7 gal.	4'0" o.c.	
17	Camellia sasanqua `Yuletide`	YULETIDE CAMELLIA	Cont.	7 gal.	4'0" o.c.	
79	Dryopteris erythrosora 'Brilliance'	AUTUMN FERN	Cont.	3 gal.	2'0" o.c.	
14	Hydrangea paniculata 'Limelight' P.P. #12,874, C.E	LIMELIGHT HYDRANGEA	Cont.	7 gal.	4'0" o.c.	
120	Ilex cornuta 'Carissa'	CARISSA HOLLY	B&B	7 gal.	4'0" o.c.	Matched, full to ground
73	Ilex vomitoria 'Nana'	DWARF YAUPON	Cont.	7 gal.	4'0" o.c.	
20	Itea virginica 'Henry's Garnet'	VIRGINIA SWEETSPIRE	Cont.	7 gal.	4'0" o.c.	
92	Rhododendron 'Roblez' PP23279	AUTUMN FIRE AZALEA	Cont.	7 gal.	2'6" o.c.	-
37	Spiraea japonica 'Little Princess'	LITTLE PRINCESS SPIRAEA	Cont.	7 gal.	2'6" o.c.	
oundcove	ers, Ornamental Grasses & Turfgrass					
uantity	Botanical Name	Common Name	Boot	Scheduled Size	Spacing	Comments
53	Carex oshimensis 'Everillo'		Cont.	1 gal.	2'0" o.c.	
365	Liriope muscari 'Super Blue'	LIRIOPE	Cont.	1 gal.	1'4" o.c.	
269	Trachelospermum asiaticum	ASIATIC JASMINE	Cont.	2 1/4" pot	2'0" o.c.	
	• • • • • • •					
	Zoysia japonica 'Meyer'	Meyer Zoysia	Sod			Sod any other disturbed areas not shown to receive other planting

2'-7 1/2" (O.D.)

PLANTS - SEE DTLS.

<u>2 - 3" MULCH</u>

GENERAL PLANTING NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS. 2. THE LOCATION OF ALL SURFACE AND UNDERGROUND STRUCTURES AND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR AT GROUND BREAK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES AND UTILITIES TO REMAIN FROM DAMAGE AS REQUIED DURING CONSTRUCTION, AND O REPAIR ANY DAMAGE WHICH SHOULD OCCUR TO THE SATISFACTION OF THE OWNER AND/OR DAMAGED PARTY 3. CONTRACTOR SHALL VERIFY PLANT COUNT FROM PLAN AND REPORT DIFFERENCES PRIOR TO CONSTRUCTION. 4. ALL PLANTING AREAS SHALL BE FREE OF OBSTRUCTIONS LARGER THAN 1 1/2" IN 5. ALL TREE SAND SPECIMEN PLANT MATERIAL SHALL BE LOCATED BY THE CONTRACTOR AT APPROVED NURSERIES OR THEIR EQUAL APPROVED PRIOR TO

BIDDING 6. ALL PLANT MATERIALS ARE SUBJECT TO APPROVAL OR REFUSAL BY THE LANDSCAPE ARCHITECT AT THE JOB SITE. 7. THE LOCATION OF ALL TREES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT BEFORE TEH PREPARATION OF BEDS. PLANTING SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS OR WHERE FIELD LOCATED BY THE

LANDSCAPE ARCHITECT. 8. THE LOCATION OF ALL PLANTING BEDS SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE THE PREPARATION OF BEDS PLANTING SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS OR WHERE FIELD LOCATED BY LANDSCAPE ARCHITECT.A MINIMUM 72 HOUR NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW. 9. MINIMIZE ALL ROOT DISTURBANCE WITHIN THE DRIP LINE OF EXISTING TREES. 10. CONTRACTOR SHALL SUPPLY AND SPREAD 6" TOPSOIL IN SHRUB BEDS AND ALL AREAS TO BE SEEDED, UNLESS OTHERWISE NOTED IN SPECIFICATIONS.

11. THE LANDSCAPE CONTRCTOR SHALL PROVIDE APPROVED TOPSOIL TO PERFORM INCIDENTAL GRADING WORK. 12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE IN ALL PLANT AREAS. 13. PLANTS SHALL BE WELL-FORMED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED, AND SHALL BE FREE FROM INJURY, INSECTS, AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARDS FOR NURSERY STOCK" AS

PUBLISHED BY AMERICANHORT.ORG. 14. ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN. 15. ALL SHRUBS, TREES, AND GROUNDCOVERS SHALL BE PLANTED WITH A SOIL MIXTURE CONSISTING OF 50% TOPSOIL AND ORGANIC MATERIAL AND PER SPECIFICATIONS. 16. FRONT ROW OF SHRUBS SHALL BE PLANTED MINIMUM 24" BEHIND BEDLINE AT

LAWNS OR WALKS, AND MINIMUM 36" FROM BACK OF CURB AT PARKING AREAS. 17. BACK ROW OF SHRUB PLANTING SHALL BE PLANTED AT 36" OFF FACE OF BUILDING WALL. GROUNDCOVERS SHALL BE 12" OUT FROM BUILDING WALL AS REQUIRED BY PLANT SPECIFICATIONS. 18. EXCAVATE EDGE OF ALL PLANTING BEDS TO 4" DEPTH TO FORM A NEAT, CRISP DEFINITION.

19. ALL PLANTING BEDS AND TREE PITS SHALL BE MULCHED WITH A 3" SETTLED LAYER OF PINESTRAW. 20. MULCH ALL AREAS OF ANNUALS AND SPREADING GROUNDCOVER MASS PLANTING WITH 3" OF DOUBLE-HAMMERED BROWN MULCH. 21. GRASS: ALL AREAS TO BE GRASSED SHALL BE TILLED AND GRADED TO A DEPTH OF 6". SLAG OF LIME SHALL BE APPLIED AT A RATE OF 100 POUNDS PER 1,000 SQ. FT. ADD TURF GREEN OR EQUAL (12-5-8 SLOW RATE) AT A RATE OF 50 POUNDS PER 1,000 SQ. FT.

22. ALL DISTURBED AREAS NOT PLANTED WITH SHRUBS, GROUNDCOVERS, OR TREES, SHALL BE SODDED. 23. GRADE ALL AREAS FOR APPOVAL BY LANDSCAPE ARCHITECT BEFORE SODDING. 24. SEASONAL COLOR SHALL BE PLANTED IN FLOWERING STATE 25. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, INCLUDING GRASS, FOR ONE FULL YEAR FROM DATE OF SUBSTANTIAL COMPLETION. 26. REMOVE ALL GUY WIRES AND STAKE AT END OF GUARANTEE PERIOD. 27. WHEN TREES ARE PLANTED THE MONTHS OF MARCH THROUGH OCTOBER, THE LANDSCAPE CONTRACTOR SHALL AMEND THE SOIL MIX WITH A MOISTURE RETENTION AGENT ('TERRA-SORB' OR EQUAL) FOR EACH TREE INSTALLATION. 28. ALL TREES AND SHRUBS NOT COVERED BY IRRIGATION TO BE AMENDED WITH 'TERRA-SORB' WATER RETAINING AGENT, OR APPROVED EQUAL, PER MANUFACTURER'S RECOMMENDATIONS. 29. TREES WITH LOW LIMBS SHALL BE LOCATED WHERE LIMBS WILL NOT OVERHANG

SIDEWALK, OR WHERE LOWEST LIMB WILL BE 80" ABOVE THE SIDEWALK. CONSULT LANDSCAPE ARCHITECT BEFORE RELOCATING TREES OR REMOVING LIMBS.

TYPICAL CONTAINER SHRUB PLANTING DETAIL Scale: NOT TO SCALE

TYPICAL TREE PLANTING AND GUYING DETAIL Scale: NOT TO SCALE

ESTIMATED BEARING LOAD SOIL TYPE MUCK, PEAT, ETC. 150 2000 SAND/ GRAVEL CEMENTED W/ CLAY 4000 5000 90 DEGREE 45 DEGREE ELBOW PIPE SIZE I ELBOW VALVE TEES 2560 1390 1810 5290 2860 3740 9100 4920 6430 13680 7210 9680

10470

THRUST BLOCKS

IRRIGATION NOTES:

Scale: NOT TO SCALE

13960

REVISIONS / RECONSTRUCTION NECESSARY.

PLANTING, AND ARCHITECTURAL FEATURES.

OPERATING PRESSURE FOR EACH ZONE.

WILL BE FOLLOWED.

VALVE ASSEMBLIES.

THE PROJECT.

WITH HIS WORK.

IN DETAILS.

ESTABLISHED.

AUTOMATIC CONTROLLERS.

19. SLEEVING BY GENERAL CONTRACTOR.

SETTLEMENT.

HARD PAN THRUST DEVELOPED PER 100 PSI

19350

SAND AND GRAVEL W/ CLAY

SAND SAND AND GRAVEL

SOFT CLAY

CONCRETE -THRUST BLOCK TRENCH WALL

THRUST

BLOCK

MAX. TEST PRESSURE = 200 PSI

THRUST ON 8" 90 DEG. ELBOW = 9100 LBS. PER 100 TOTAL THRUST = 2 x 9100 = 18, 200 LBS. SAFE BEARING LOAD FOR SAND = 1,000 LBS. / SQ. FT.

SOIL TYPE: SAND CALCULATE THRUST: PSI OPERATING PRESSURE

18.2 SQ. FT.

ANCHOR EXAMPLE: REQUIRED THRUST BLOCK @ 8" 90 DEGREE ELBOW

SITE AND FOUNDATION

1200

1. THE DESIGN OF FOUNDATIONS AND RELATED COMPONENTS IS BASED ON THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY TTL, PROJECT NO. 000220100465.00, DATED 09/09/22. THE GENERAL CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS AND RECOMMENDATIONS IN THE REPORT. 2. ALLOWABLE SOIL BEARING PRESSURES (PSF) AT LIBRARY PLAZA:

CONTINUOUS FOOTINGS 1200 AT LIBRARY ADDITION FOUNDATIONS CONSIST OF HELICAL ANCHORS CAPABLE OF SUPPORTING 20K PER ANCHOR IN COMPRESSION. THE GENERAL CONTRACTOR SHALL ENGAGE A DESIGN/BUILD FOUNDATION CONTRACTOR WHO WILL DEVELOP THE CRITERIA IN ORDER FOR THE ANCHORS TO MEET SPECIFIED LOADS. ANCHOR DESIGN SHALL BE BY AN ENGINEER REGISTERED IN THE STATE OF ALABAMA. STAMPED CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO ANCHORS BEING

EXCAVATE, WHERE REQUIRED, TO BUILDING AND STRUCTURE SUBGRADE. PROOF-ROLL THE AREA UNDER THE BUILDING, PLUS 5'-0" ON ALL SIDES, WITH A LOADED DUMP TRUCK TO LOCATE ANY SOFT AREAS. A GEOTECHNICAL ENGINEER IS TO BE PRESENT DURING THIS OPERATION. ANY SOFT AREAS DETECTED ARE TO BE UNDERCUT AND REPLACED WITH ENGINEERED FILL. 6. ACCEPTABLE FILL MATERIAL SHALL BE FREE OF ORGANICS, AND HAVE A P.I. OF LESS THAN 20, L.L. OF LESS THAN 40 AND A MAXIMUM DRY DENSITY OF GREATER THAN 100 PCF. CRUSHED STONE BACKFILL TO MEET REQUIREMENTS OF A.H.D. No. 57 STONE. DRAINAGE FILL SUPPORTING SLABS SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER.

7. FILL, WHERE REQUIRED, IS TO BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 98% STANDARD PROCTOR (ASTM D-698), WITHIN ±3% OF OPTIMUM MOISTURE CONTENT. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FINAL FOUNDATION DESIGN TO VERIFY THAT ALL FOUNDATION SYSTEMS, INCLUDING SLAB ON GRADE DESIGN AND DETAILING, COMPLIES WITH THE GEOTECHNICAL PARAMETERS INCLUDED IN THE GEOTECHNICAL REPORT. WRITTEN VERIFICATION OF

CONCRETE

1. CONCRETE CONSTRUCTION AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH CURRENT ACI STANDARDS. 2. CONCRETE SCHEDULES

28 DAY COMPRESSIVE STRENGTH

4000 PSI NORMAL WEIGHT

4000 PSI NORMAL WEIGHT

4000 PSI NORMAL WEIGHT

3000 PSI NORMAL WEIGHT

ITEM A. CONCRETE WALLS, COLUMNS, BEAMS, & ELEVATED SLABS

B. CONCRETE SLAB ON COMPOSITE METAL DECK C. FOUNDATIONS & GRADE BEAMS

D. ALL OTHER CONCRETE 3. CONCRETE COVER OVER REINFORCING (UNO)

> A. UNFORMED SURFACE IN CONTACT WITH EARTH: 3 IN. B. UNFORMED SURFACE OVER VAPOR BARRIER: 2 IN.

C. FORMED SURFACES EXPOSED TO EARTH OR WEATHER: #6 AND LARGER 2 IN.

#5 AND SMALLER 1 1/2 IN. D. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:

WALLS, SLABS: 1 IN. COLUMNS, BEAMS: 1 1/2 IN. TO TIES

CONCRETE AT SLABS ON GRADE SHALL HAVE A NOMINAL MAXIMUM COARSE AGGREGATE SIZE OF 3/4 INCH. ADJUST PORTIONS OF COMBINED COARSE, INTERMEDIATE AND FINE AGGREGATES TO PROVIDE A COARSENESS FACTOR OF 60 TO 75%.

ALL REINFORCING SHALL CONFORM TO THE LATEST REVISION OF ASTM SPECIFICATION A615, GRADE 60 AND BE DETAILED IN ACCORDANCE WITH THE LATEST REVISION OF ACI STANDARD 315. NO REINFORCING BAR SHALL BE WELDED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE

CONTINUOUS FOOTING REINFORCING BARS SHALL BE LAPPED 30 BAR DIAMETERS, BUT NOT LESS THAN 1'-0". GRADE BEAM, ELEVATED BEAM, AND ELEVATED SLAB REINFORCING BARS SHALL BE SPLICED ONLY AS SHOWN ON THE DRAWINGS, EXCEPT THE REINFORCING DESIGNATED AS "CONTINUOUS" SHALL HAVE A CLASS "B" LAP SPLICE (PER ACI 318). LAP SPLICES OF CONTINUOUS REINFORCING SHALL BE MADE OVER SUPPORTS FOR BOTTOM BARS AND FOR INTERMEDIATE BARS AND AT MID-SPAN FOR TOP BARS. AT EXTERIOR SUPPORTS, TOP AND BOTTOM BARS SHALL BE HOOKED AND INTERMEDIATE BARS SHALL EXTEND TO WITHIN 2" OF EXTERIOR

9. COLUMN AND WALL VERTICAL REINFORCING BARS SHALL BE LAPPED WITH A CLASS "B" SPLICE. WALL HORIZONTAL REINFORCING BARS SHALL BE LAPPED 30 DIAMETERS AT SPLICE POINTS. PROVIDE CORNER BARS FOR WALLS PROVIDE FULL EMBEDMENT FOR ALL DOWELS. IF NOT OTHERWISE SPECIFIED, DOWEL SIZE AND SPACING SHALL

BE THE SAME AS MAIN REINFORCING CONSTRUCTION JOINTS IN CONCRETE BEAMS AND SLABS SHALL BE AT OR NEAR MIDSPAN. ALL CONSTRUCTION JOINTS TO BE KEYED HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED IN WALLS AND BEAMS, UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

CONDUIT, PIPES, AND SLEEVES SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTER, NOT HAVE AN OUTSIDE DIAMETER GREATER THAN 1/3 THE OVERALL THICKNESS OF THE SLAB, WALL OR BEAM IN WHICH THEY ARE EMBEDDED, AND SHALL HAVE A MINIMUM COVER OF 1 1/2 INCH FOR CONCRETE EXPOSED TO EARTH OR WEATHER AND 3/4 INCH FOR CONCRETE NOT EXPOSED TO EARTH OR WEATHER. 14. PIPING AND CONDUIT SHALL BE SO FABRICATED AND INSTALLED THAT CUTTING, BENDING, OR DISPLACEMENT

OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS FOR ALL REINFORCING BARS INCLUDING DETAILS AT ALL OPENINGS AND ASSOCIATED ADDED REINFORCEMENT AS SHOWN ON TYPICAL DETAILS.

TENSION LAP SPLICE LENGTH								
	f'c = 3000 PSI			f'c = 4000 PSI				
OTHERS				OTHERS				
	TOP I	BARS	BA	BARS TOP BARS		BARS	BARS	
BAR SIZE	Α	В	A	В	A	В	A	В
#3	22	28	17	22	19	24	15	19
#4	29	37	22	29	25	32	19	25
#5	36	47	28	36	31	40	24	31
#6	43	56	33	43	37	48	29	37
#7	63	81	48	63	54	70	42	54
#8	72	93	55	72	62	80	48	62
#9	81	105	62	81	70	91	54	70
#10	91	118	70	91	79	102	61	79
#11	101	131	78	101	87	113	67	87

- ANCHOR CAPACITY USED IN DESIGN IS BASED UPON THE TECHNICAL DATA PUBLISHED BY THE BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED ON THE FOLLOWING: HAVING AN ICC-ES ESR OR IAPMO UES ER SHOWING COMPLIANCE WITH THE RELEVANT CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.
- 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.
- GPR, X-RAY, CHIPPING OR OTHER MEANS APPROVED BY THE ENGINEER OF RECORD. DO NOT CUT PRESTRESSED OR POST TENSIONED TENDONS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
- 4. INSTALL ANCHORS PER THE MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS. 5. UNLESS NOTED OTHERWISE, ALL ANCHORS TO BE INSTALLED WITH AN EMBEDMENT DEPTH EQUAL TO OR INSTALLED USING A SYSTEM THAT IS APPROVED FOR SUCH INSTALLATIONS IN THE PRODUCT CODE REPORT
- ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. 7. UNLESS SPECIFICALLY NOTED ON THE DRAWINGS, APPROVED ANCHORS ARE AS FOLLOWS: A. ANCHORAGE TO CONCRETE
 - 1. ADHESIVE ANCHORS FOR CONCRETE USE:
 - RODS (IAPMO UES ER-263). b. SIMPSON STRONG-TIE SET-XP ADHESIVE ANCHORING SYSTEM WITH THREADED
 - RODS (ICC-ES ESR-2508) FOR SLOW CURE APPLICATIONS.
 - THREADED ROD (ICC-ES ESR-3187). d. HILTI HIT-RE 500-SD EPOXY ADHESIVE ANCHORING SYSTEM WITH HAS-E THREADED
 - ROD (ICC-ES ESR-2322) FOR SLOW CURE APPLICATIONS.
 - 2. MECHANICAL ANCHORS FOR CONCRETE USE: a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-2713). b. SIMPSON STRONG-TIE STRONG-BOLT 2 (ICC-ES ESR-3037).
 - c. HILTI KWIK HUS-EZ AND KWIK HUS EZ-I SCREW ANCHORS (ICC-ES ESR-3027). d. HILTI KWIK BOLT-TZ EXPANSION ANCHORS (ICC-ES ESR-1917).
 - B. REBAR DOWELING INTO CONCRETE 1. ADHESIVE ANCHORS FOR CONCRETE USE:
 - DEFORMED REBAR (ICC-ES ESR-2508).
 - b. HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH CONTINUOUSLY DEFORMED REBAR (ICC-ES ESR-3187).
 - c. HILTI HIT-RE 500-SD EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR (ICC-ES ESR-2322).
 - C. ANCHORAGE TO SOLID GROUTED MASONRY 1. ADHESIVE ANCHORS USE:
 - ROD OR REBAR (IAMPMO UES ER-281).
 - b. SIMPSON STRONG-TIE SET-XP ADHESIVE ANCHORING SYSTEM WITH THREADED ROD OR REBAR (IAMPMO UES ER-265).
 - c. HILTI HIT-HY 70 MASONRY ADHESIVE ANCHORING SYSTEM PER ICC ESR-2682. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD
 - OR CONTINUOUSLY DEFORMED STEEL REBAR. 2. MECHANICAL ANCHORS USE:
 - a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-1056). b. SIMPSON STRONG-TIE AT (ICC-ES ESR-1958). c. HILTI KWIK HUS-EZ SCREW ANCHOR (ICC-ES ESR-3056) d. HILTI KWIK BOLT-3 EXPANSION ANCHORS (ICC-ES ESR-1385).

STRUCTURAL STEEL

- 1. DESIGN, CONSTRUCTION, QUALITY ASSURANCE, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CURRENT AISC STANDARDS.
- 2. ALL STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992.
- 4. ALL STRUCTURAL STEEL SQUARE, RECTANGULAR AND ROUND HSS SECTIONS SHALL CONFORM TO ASTM A500, GRADE B.
- 5. ALL STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B.
- OR REQUIRED.
- ALL BOLTED CONNECTIONS SHALL BE MINIMUM 3/4" DIAMETER, A325 HIGH STRENGTH BOLTS, UNLESS NOTED OTHERWISE.
- IN ACCORDANCE WITH ALL APPLICABLE CODES AND SPECIFICATIONS. CONNECTION DESIGN
- 10. ALL BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS" UNLESS NOTED OTHERWISE, WHERE LOAD CAPACITY FROM THE MAXIMUM UNIFORM LOAD TABLE (LATEST AISC MANUAL OF STEEL PRACTICE) MULTIPLIED BY A FACTOR OF 1.2 (NON-COMPOSITE BEAMS) OR 1.45 (COMPOSITE BEAMS) FOR GIVEN SHAPE, SPAN, AND GRADE OF STEEL.

STEEL JOIST

- 1. STEEL JOIST DESIGN, MANUFACTURE, AND QUALITY CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF SPECIFICATIONS BY THE STEEL JOIST INSTITUTE.
- EDITION OF SPECIFICATIONS BY THE STEEL JOIST INSTITUTE.
- 3. A STEEL JOIST DESIGN PACKAGE SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW PRIOR TO FABRICATION AND ERECTION. THIS PACKAGE SHALL INCLUDE A PLACEMENT PLAN AND
- REGISTERED IN THE STATE OF ALABAMA. 4. ALL JOISTS SHALL BE WELDED TO SUPPORTING MEMBER AT EACH END PER ENGINEERS AND/OR MANUFACTURER'S REQUIREMENTS.
- OF 30 PSF AND A SUPERIMPOSED LIVE LOAD OF 20 PSF IN ADDITION TO THE CONCENTRATED LOADS SHOWN ON THE PLANS.
- DESIGN CRITERIA AND COMPONENT AND CLADDING WIND LOAD TABLES. DESIGN ENGINEER SHALL ASSUME 10 PSF MAXIMUM DEAD LOAD IN UPLIFT CALCULATIONS.
- JOIST DESIGN PACKAGE.

- AT 6" OC. PROVIDE #10 TEK SCREW SIDELAP FASTENERS AT 12" OC. (MIN. 4 PER SPAN). ATTACH COMPOSITE FLOOR DECK TO SUPPORTS AT 12" OC. W/ 5/8" PUDDLE WELDS. ATTACH TO
- LAP WELDS SHALL BE PROVIDED PER MANUFACTURER'S RECOMMENDATIONS.
- SPECIFICATIONS AND COORDINATED WITH DECK RIBS. 6. NUMBER OF SHEAR CONNECTORS REQUIRED ARE SHOWN ON DRAWINGS THUSLY (64) BESIDE BEAM SIZE
- DESIGNATION AND ARE EQUALLY SPACED BETWEEN BEAM CONNECTIONS. 7. DECK SUPPORTS AROUND STEEL COLUMNS AND CLOSURE ANGLES SHALL BE SUPPLIED BY THE DECK MANUFACTURER, IF REQUIRED.
- 8. REINFORCING IN ALL FLOOR SLABS LOCATED 1" FROM THE TOP. SUPPORT AS REQUIRED.
- 9. DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.

POST-INSTALLED ANCHORS

MANUFACTURER. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER

3. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. 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 USE OF HILTI FERROSCAN.

GREATER THAN MANUFACTURER STANDARD EMBEDMENT. OVERHEAD ADHESIVE ANCHORS MUST BE

6. THE CONTRACTOR SHOULD ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE

a. SIMPSON STRONG-TIE AT-XP ADHESIVE ANCHORING SYSTEM WITH THREADED

c. HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH

a. SIMPSON STRONG-TIE SET-XP ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY

a. SIMPSON STRONG-TIE AT-XP ADHESIVE ANCHORING SYSTEM WITH THREADED

ALL STRUCTURAL STEEL PLATES, ANGLES AND CHANNELS SHALL CONFORM TO ASTM A36.

FABRICATION AND ERECTION SHALL CONFORM TO AISC CODE OF STANDARD PRACTICE. ALL WELDING SHALL CONFORM TO AWS STANDARDS. THICKNESS OF WELDS ARE AS SHOWN, SPECIFIED

THE STRUCTURAL STEEL FABRICATOR SHALL PROVIDE CERTIFICATIONS BY A PROFESSIONAL STRUCTURAL ENGINEER (P.E.) REGISTERED IN THE STATE OF ALABAMA THAT THE CONNECTION DESIGN IS CALCULATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW. BEAM REACTIONS AND/OR DESIGN FORCES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT A REACTION EQUAL TO ONE-HALF THE TOTAL UNIFORM

STEEL JOIST ERECTION, INSTALLATION, BRIDGING, ETC. SHALL BE IN ACCORDANCE WITH THE LATEST

DESIGN CALCULATIONS BEARING THE SEAL AND SIGNATURE OF THE JOIST DESIGNER WHO SHALL BE

JOISTS DESIGNATED AS "SP" ON THE DRAWINGS ARE TO BE DESIGNED FOR A SUPERIMPOSED DEAD LOAD

6. JOISTS SHALL BE DESIGNED FOR COMPONENT AND CLADDING WIND LOADS BASED ON THE PROVIDED

 JOIST DESIGNER SHALL COORDINATE ALL EQUIPMENT WEIGHTS, CONCENTRATED LOADS AND LOCATIONS WITH THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE THIS INFORMATION TO THE JOIST DESIGNER. THE LOADS AND CORRESPONDING LOCATIONS SHALL BE IDENTIFIED IN THE STEEL

STEEL DECK

STEEL DECK CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF SDI STANDARDS. ATTACH ROOF DECK TO SUPPORTS AT 12" OC. W/ 5/8" PUDDLE WELDS. ATTACH TO PERIMETER SUPPORTS PERIMETER SUPPORTS AT 6" OC. PROVIDE #10 TEK SCREW SIDELAP FASTENERS AT 12" OC. (MIN. 4 PER 4. DECK SHALL BE ATTACHED TO STEEL BEAMS AT 12" O.C. EITHER BY STUDS OR 3/4" PUDDLE WELDS. SIDE SHEAR CONNECTORS ARE 3/4"Ø x 4" HEADED STUDS (AFTER WELDING) PER AWS D1.1, WELDED THROUGH THE DECK OR DIRECTLY TO THE STEEL MEMBER. LAYOUT OF SHEAR CONNECTORS TO COMPLY WITH AISC

DESIGN CRITERIA

GO∖	/ERNING CODE:			
Δ	INTERNATIONAL	BUILDING CODE	IBC	202

A. INTERNATIONAL BUILDING CODE, I.B.C. 2021 2. GRAVITY DESIGN LOADS:

B. LIVE:

A. DEAD: 1. DESIGN DEAD LOADS ARE BASED ON THE SELF WEIGHT OF CONSTRUCTION MATERIALS SHOWN IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. ANY ALTERNATE MATERIALS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER TO REVIEW

•	LI	/ ⊑.	
	1.	TYPICAL FLOOR	60 PSF
	2.	STAIRS, RAMPS	100 PSF
	3.	CORRIDORS	100 PSF
	4.	CORRIDORS ABOVE 1ST FLOOR	80 PSF
	5.	LOBBIES	100 PSF
	6.	ROOF	20 PSF
	7.	MECHANICAL/STORAGE	125 PSF

7. MECHANICAL/STORAGE C. SNOW: 1. GROUND SNOW LOAD (PG) = 5 PSF

2. FLAT ROOF SNOW LOAD (Pf) = 5 PSF 3. SNOW EXPOSURE FACTOR (Ce) = 1.0

4. SNOW LOAD IMPORTANCE FACTOR (Is) = 1.0

5. THERMAL FACTOR (Ct) = 1.0 LATERAL DESIGN LOADS:

A. WIND: 1. DESIGNED PER ASCE 7-16

2. ULTIMATE WIND SPEED = 110 MPH

3. NOMINAL WIND SPEED = 86 MPH RISK CATEGORY = II

5. BUILDING CATEGORY = ENCLOSED 6. EXPOSURE CATEGORY = C

 INTERNAL PRESSURE COEFFICIENT (GCpi) = ±0.18 8. COMPONENTS & CLADDING WIND PRESSURES SEE CHART

B. EARTHQUAKE:

1. SEISMIC RISK CATEGORY = II 2. SEISMIC IMPORTANCE FACTOR (Ie) = 1.0

3. MAPPED SPECTRAL RESPONSE ACCELERATIONS

A. Ss = 0.296 B. S1 = 0.103

4. SOIL SITE CLASS = D 5. DESIGN SPECTRAL RESPONSE ACCELERATIONS A. Sds = 0.308

B. Sd1 = 0.164

6. SEISMIC DESIGN CATEGORY = C 7. BASIC SEISMIC-FORCE-RESISTING SYSTEM

STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

8. DESIGN BASE SHEAR = 60 KIPS

9. SEISMIC RESPONSE COEFFICIENT (Cs) = 0.103 10. RESPONSE MODIFICATION FACTOR (R) = 3

11. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY A QUALIFIED TESTING AGENT/ENGINEER TO PROVIDE SPECIAL INSPECTIONS. SPECIAL INSPECTORS SHALL SUBMIT RESUME OF EXPERIENCE AND QUALIFICATIONS OF ALL INDIVIDUALS PERFORMING WORK TO THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED. SPECIAL INSPECTIONS SHOULD BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2021 ED. AND AS INDICATED IN THE SPECIFICATIONS.

TO NOMINAL LOADS, MULTIPLY VALUES IN CHART BY A FACTOR OF 0.6.

4. a= 4 FT

@ PARAPE1

ZONE LAYOUT DIAGRAMS

		EFFECTIVE WIND AREA										
ZONE	10 SF		20 SF		50 SF		100 SF		200 SF			
	XXX	-XXX	XXX	-XXX	XXX	-XXX	XXX	-XXX	XXX	-XXX		
1	16	-51	16	-47	16	-43	16	-40	16	-40		
1'	16	-29	16	-29	16	-29	16	-29	16	-29		
2	16	-67	16	-62	16	-57	16	-53	16	-53		
3	16	-91	16	-82	16	-71	16	-62	16	-62		
4	32	-35	31	-33	29	-31	27	-30	27	-30		
5	32	-43	31	-40	29	-36	27	-33	27	-33		
	_											

BA ENGINEERS, INC CIVIL GEOTECHNICAL STRUCTURAL

-

@ ROOF OVERHANG

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PROJECT STATUS

No. Description

BID SET

ATM

30 JAN 2024

Date

SSUED SET:

ISSUE DATE:

REVISIONS

DRAWING TITLE

DRAWN BY:

CHECKED BY:

ROJECT NUMBER

236002-02

S0.02

TYPICAL DETAILS

2" MIN.

SLAB SCHEDULE									
LONGITUDINAL STEEL									
MARK	DEPTH	A-BAR	B-BAR	C-BAR	D-BAR	E-BAR	TEMP STEEL		
S1	7	#6@12	-	#6@12	#6@6	-	#4@12" OC.		
S2	7	#6@12	-	#6@12	#6@6	-	#4@12" OC.		

EXIST. DECK

CONCRETE BEAM SCHEDULE										
	STIRRUPS-#4 UNLESS NOTED STIRRUP – SIZE & SPACE		LONGITUDINAL STEEL				/I SIZE	BEAN		
	SPACING	TYPE	E-BAR	D-BAR	C-BAR	B-BAR	A-BAR	DEPTH	WIDTH	MARK
	@6" OC. FULL SPAN	2	-	8#9	6#9	2#9	2#9	16	28	B1
	@6" OC. FULL SPAN	2	-	8#9	2#9	2#9	2#9	16	28	B2
									-	

-

-2 ADD'L. REBARS (40 DIA. LONG) EA. CORNER EA. FACE -ADD'L. REINF. EQUIVALENT TO AREA OF CUT BARS AROUND EA. FACE

MBA ENGINEERS, INC. STRUCTURAL CIVIL GEOTECHNICAL

		6	5
F			
	_		
			(\mathbf{A})
			2'-0" 15'-10 1/16"
F			
			5 S5.03
			W16X31
			4 EQ.
	-) V12X19 V24X55 2X19 (18
			4 S5.03
			W16X31
D			WI
	-		
			EXIST. 14" STEEL JOIST
С			
В			
	_		
A			
131 PI			
4 5:10			
9/202			
1/2		6	5

N LEVEL 3 FRAMING PLAN 1/8" = 1'-0" REF. FIN. FLR. ELEV. 23 FIN. FLR. ELEV. 23 FIN. FLR. ELEV. 23

REF. FIN. FLR. ELEV. 235'-2" FIN. FLR. ELEV. 22'-5" FIN. FLR. ELEV. 22-5 <u>FLOOR CONSTRUCTION:</u> 3" CONC. SLAB ON 2" 20 GA. GALV. COMPOSITE DECK (3 SPANS MIN.) REINF. W/ 6X6-W1.4XW1.4 WWR.

NOTES: 1. TOP OF STEEL ELEV. (22'-0") U.N.O. 2. INFILL EXISTING SLAB WITH TYPICAL FLOOR CONSTRUCTION. 3. SEE INFILL BEAM TO JOIST TYPICAL DETAIL. 4.
• DENOTES MOMENT CONNECTION.

ELEVATOR PENTHOUSE ROOF FRAMING PLAN

1/8" = 1'-0"

2

<u>ROOF CONSTRUCTION:</u> 1 1/2" 22 GA. GALV. WIDE RIB (TYPE "B") METAL ROOF DECK

<u>NOTES:</u> 1. W8X10 ELEVATOR HOIST BEAM TOP OF STEEL 248'-8 1/2". 2. 600S162-43 JOISTS @ 16" OC.

		4	3
L3X3X1/4 CONT.	JO <u>IST BRG.</u> SEE PLAN		L3X3X1/4 C
	<u>T.O. EXIST. JST</u> SLOPES		2X8 LEDGER FASTEN TO METAL STUDS W/ (4) 10d NAILS @ EA. STUD

