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CHEROKEE HARD ROCK CASINO EXTERIOR RENOVATION PHASE I **CONSTRUCTION SET**

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	3	
DRAWING TITLE		
E		
4' 8' 16'		
GRAPHIC BAR SCALE		
DRAWING SCALE		
L		
NCE SYMBOL		
AL GRID INDICATOR		
AL GRID LINE		
)L		
MBER SYMBOL		
DL RK		
K SYMBOL TING MARK		
BOL		
RIGID INSULATION		

AE	BREVIATIONS	ABBREVIATIONS				
/E	ARCHITECT/ENGINEER	ESCAL	ESCALATOR			
BAN BAN	ANCHOR BOLT ABANDON ARREVIATION	ESMI EST	EASEMENT ESTIMATE ET CETEDA			
C	ASPHALTIC CONCRETE	EW	EACH WAY			
C	AMERICAN CONCRETE INSTITUTE	EX	EXAMPLE			
CP	ASPHALTIC CONCRETE PAVING	EXC	EXCAVATE			
CR	ACROSS		EXCLUDE			
CST	ACOUSTIC	EXIST	EXISTING			
D	AREA DRAIN	EXP	EXPANSION			
.DA	AMERICANS WITH DISABILITIES ACT	EXT	EXTERIOR			
.DDL	ADDITIONAL	F/F	FACE TO FACE			
	ADDENDUM	FAB	FABRIC			
	ADJACENT/ADJOINING	FACIL	FACILITY			
JDMIN	ADMINISTRATION	FB	FLAT BAR			
FF	ABOVE FINISHED FLOOR	FD	FLOOR DRAIN			
FG	ABOVE FINISHED GRADE	EDTN	FOUNDATION			
FS	ABOVE FINISHED SLAB	FF	FAR FACE			
GGR	AGGREGATE	FF EL	FINISH FLOOR ELEVATION			
IA	ANCHOR	FIN GR	FINISH GRADE			
	AMERICAN INSTITUTE OF ARCHITECTS	FH	FLAT HEAD			
ISC	AMERICAN INSTITUTE OF STEEL	FIN	FINISH			
	CONSTRUCTION	FIN FLR	FINISH FLOOR			
ISI ITC	AMERICAN IRON AND STEEL INSTITUTE AMERICAN INSTITUTE OF TIMBER	FLG FLR FLR SK	FLANGE FLOOR FLOOR SINK			
LNMT I T	ALIGNMENT ALTERNATE ALTERNATIVE	FUC FOC FOF	FACE OF CONCRETE FACE OF FINISH			
LUM	ALUMINUM	FOM	FACE OF MASONRY			
MT	AMOUNT	FOS	FACE OF SLAB			
NSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FOS	FACE OF STUD			
PA	AMERICAN PLYWOOD ASSOCIATION	FOW	FACE OF WALL			
,PPD	APPROVED	FR	FRAME			
,PPROX	APPROXIMATE	FRMG	FRAMING			
R	APPENDIX	FS	FAR SIDE			
R	AS REQUIRED	FSTNR	FASTENER			
RCH	ARCHITECT	FT	FOOT / FEFT			
SCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	FT/LB	FOOT/POUND			
SPH	ASPHALT	FT/LBF	FOOT/POUND FORCE			
SI	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS	FTG	FOOTING			
SSN	ASSOCIATION	FUT	FUTURE			
STM	AMERICAN SOCIETY FOR TESTING AND	G	GIRDER			
	MATERIALS	GA	GAGE			
ATCH	ATTACHMENT	GALV	GALVANIZED			
ATTN	ATTENTION	GALV STL	GALVANIZED STEEL			
AWS	AMERICAN WELDING SOCIETY	GR BM	GRADE BEAM			
Z	AZIMUTH	GC	GENERAL CONTRACTOR			
&F	BELL AND FLANGE	GEN	GENERAL			
AL	BALANCE	GLU LAM	GLUED LAMINATED WOOD			
9/B	BACK TO BACK	GLZ	GLAZING			
SC	BOTTOM CHORD	GOVT	GOVERNMENT			
SD	BOARD	GRTG	GRATING			
BDRY	BOUNDARY	GT	GROUT			
EV	BEVEL	H	HIGH			
KG KGD	BELOW FINISH FLOOR BACKING BACKGROUND	HAS HC HCP	HEADED ANCHOR STUD HOLLOW-CORE HANDICAPPED			
	BUILD BUILDING	HD HGR	HANDICALFED HEAVY DUTY HANGER			
SLK	BLOCK/BLOCKING	HLDN	HOLDDOWN			
SLT	BUILT	HORIZ	HORIZONTAL			
SLVD	BOULEVARD	HS	HIGH STRENGTH			
SLW	BELOW	HSKPG	HOUSEKEEPING			
M SO	BEAM BOTTOM OF DOTTOM OF STEEL	HSS HST	HOLLOW STRUCTURAL SECTIONS HOIST			
IOS IOT	BOTTOM OF STEEL BOTTOM BASE PLATE	IBC ID	INTERNATIONAL BUILDING CODE			
RCG	BRACING	IF	INSIDE FACE			
	BRIDGING	IFS	INSIDE FACE OF STUD			
RG	BEARING	IN	INCH			
RG PL	BEARING PLATE	INCL	INCLUDED			
S	BOTH SIDES	INFO	INFORMATION			
SMT	BASEMENT	IN-LB	INCH-POUND			
STWN	BETWEEN CHANNEL	IN-LBF INSTL INSUI	INCH-POUND FORCE INSTALL INSULATION			
, C/C CAM	CENTER TO CENTER CAMBER	INT IR	INTERIOR INSIDE RADIUS			
CAN	CANOPY	k	KIP			
CD	CONSTRUCTION DOCUMENTS,	K	THOUSAND			
EM	CONTRACT DOCUMENTS	KB	KNEE BRACE			
	CEMENT	KCJ	KEYED CONTROL JOINT			
HFR HKD	CHAMFER CHECKED/CHECKERED CAST IPON	KIP KIP FT KI F	THOUSAND POUNDS THOUSAND FOOT/POUNDS KIPS PER LINEAL FOOT			
SIP	CAST-IN-PLACE	KO	KNOCK OUT			
SJ	CONSTRUCTION JOINT	KOP	KNOCK OUT PANEL			
;]	CONTRACTION JOINT	KSF	KIPS PER SQUARE FOOT			
;]	CONTROL JOINT	KSI	KIPS PER SQUARE INCH			
CL	CENTER LINE	L	ANGLE			
CLG	CEILING	LAM	LAMINATE			
m MU	CENTIMETER CONCRETE MASONRY UNIT	LATL LBF I BR	POUND-FORCE			
CO	COMPANY	LBS	POUND			
COA	CITY OF ALBUQUERQUE	LD BRG	LOAD BEARING			
COL	COLUMN	LF	LINEAR FEET (FOOT)			
COM	COMMON	LIN	LINEAR			
CONC	CONCRETE	LL	LIVE LOAD			
	CONNECTION	LLBB	LONG LEG BACK TO BACK			
CONT	CONTINUOUS, CONTINUE CONTRACTOR	LLV LONG	LONG LEG VERTICAL LONG LEG VERTICAL LONGITUDINAL			
COORD	COORDINATE	LT GA	LIGHT GAGE			
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	LT WT	LIGHT WEIGHT			
SI	CONSTRUCTION SPECIFICATIONS INSTITUTE	LVR	LOUVER			
TR	CENTER	LWC	LIGHTWEIGHT CONCRETE			
U		M	MOMENT			
NU		MAINT	MAINTENANCE			
NU		MATI	MATERIAL			
)	DEEP, DEPTH	MAX	MAXIMUM			
)-B	DESIGN-BUILD	MB	MACHINE BOLT			
)AT	DATUM	MC	MOMENT CONNECTION			
)BL	DOUBLE	MCJ	MASONRY CONTROL JOINT			
DEG	DEGREE	MD	METAL DECK			
DEL	DELETE	ME	MECHANICAL ENGINEER			
DEMO	DEMOLITION	MECH				
DET	DETAIL	MEZZ				
DEV	DEVELOPMENT	MER				
DFTG	DRAFTING	MID	MIDDLE			
DIA	DIAMETER	MIN				
DIAG	DIAGONAL	MISC	MISCELLANEOUS			
DIFF	DIFFERENCE, DIFFERENTIAL	ML	MICRO-LAMINATED			
DIM	DIMENSION	ML	MONOLITHIC			
DIST	DISTANCE	MO	MASONRY OPENING			
)IV)J	DIVIDE DOUBLE JOIST DEAD LOAD	MS MSL MTI	MACHINE SCREW MEAN SEA LEVEL			
)OC)OUG FIR	DOCUMENT DOUGLAS FIR	N N NA				
NSGN	DESIGN	NF	NEAR FACE			
NG	DRAWING	NIC	NOT IN CONTRACT			
WL/DWLS	DOWELS	NM	NEW MEXICO			
	EAST, MODULUS OF ELASTICITY	NO	NUMBER			
A	EACH	NOM	NOMINAL			
	EACH END	NS	NEAR SIDE			
ir	EAUT FAUE	NTS	NUT TO SCALE			
IFS	EXTERIOR INSULATION AND FINISH SYSTEM	0/0	OUT TO OUT			
I	EXPANSION JOINT	04	OVERALL			
L	ELEVATION	OC	ON CENTER			
LAST	ELASTOMERIC	OD	OUTSIDE DIAMETER			
LEC	ELECTRIC	OF	OUTSIDE FACE			
LEM	ELEMENTARY	OFS	OUTSIDE FACE OF STUD			
LEV	ELEVATOR	OPH	OPPOSITE HAND			
MBED	EMBEDDED/EMBEDMENT	OPNG	OPENING			
INCL INGR	ENGLOSURE ENGINEER EDGE OF SLAB	OPT	OPPOSITE OPTIONAL OUTSIDE RADIUS			
EPA	ENVIRONMENTAL PROTECTION AGENCY	PAR	PARALLEL, PARAPET			
EQ	EQUAL	PART	PARTIAL			
QUIP	EQUIPMENT	PC	PIECE, PORTLAND CEMENT			
QUIV	EQUIVALENT	PCC	PRECAST CONCRETE			

Α	BBREVIATIONS	GENERAL STRUCTURAL NOTES						
PCF	POUNDS PER CUBIC FOOT	FOUNDATION NOTES						
PCI	PRECAST/PRESTRESSED CONCRETE	<u>GENERAL:</u>						
PED PEN	PEDESTAL PENETRATE	A SUBSURFACE SOIL INVESTIGATION HAS BEEN MADE BY KLEINFELDER. PROJECT NO. 117083.						
PERIM PERP	PERIMETER PERPENDICULAR	A REPORT OF THAT INVESTIGATION DATED ARRIL 25, 2011 IS AVAILABLE FOR VIEWING AT THE OFFICE OF THE ARCHITECT.						
PH PIL	PHASE PILASTER	A SUBSURFACE SOIL INVESTIGATION HAS BEEN MADE BY KLEINFELDER. PROJECT NO. 67912-3.						
PLAT	PLATE PLATFORM	A REPORT OF THAT INVESTIGATION DATED AUGUST 20, 2007 IS AVAILABLE FOR VIEWING AT THE OFFICE OF THE ARCHITECT.						
2LBG 2LF	PLUMBING POUNDS PER LINEAR FOOT	THE FOUNDATION SYSTEM FOR THIS PROJECT IS DRILLED PIERS.						
'LM PLYWD	PARALLAM PLYWOOD	ADDITIONAL INFORMATION CONCERNING SPECIFIC SOIL CONDITIONS TO BE ENCOUNTERED IS AVAILABLE IN THE						
	POSITION PANEL POINT DECAST	FIELD ORSERVATION AND TESTS.						
PREFAB		THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED LICENSED GEOTECHNICAL ENGINEER TO						
PREV		OBSERVE ALL CONTROLLED EARTHWORK. THE GEOTECHNICAL ENGINEER SHALL PROVIDE CONTINUOUS ON- SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROLLED EARTHWORK. THE						
PSI PT	POUNDS PER SQUARE INCH POST-TENSIONED	CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY FIELD OPERATIONS OF THE CONTROLLED EARTHWORK.						
PT CONC PTN	POST-TENSIONED CONCRETE PARTITION	TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING MINIMUM RATES. THE ON-SITE GEOTECHNICAL						
vVG QTY	PAVING QUANTITY	ENGINEER SHALL DETERMINE THE ACTUAL TESTING RATES:						
QUAD R	QUADRANT RADIUS, RISER	ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF COMPACTED SUBGRADE, PRIOR TO PLACING STRUCTURAL FILL OR SLAB-ON-GRADE, WITH A MINIMUM OF 3 TESTS.						
RC RD	REINFORCED CONCRETE ROAD, ROOF DRAIN	ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF STRUCTURAL FILL PLACED OR EACH HORIZONTAL						
REC REF	RECESSED REFERENCE	LAYER OF STRUCTURAL FILL, WHICHEVER IS GREATER.						
REINF REPL	REINFORCE/REINFORCEMENT REPLACE	ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, AS INDICATED BY THE SIEVE ANALYSIS AND THE PLASTICITY INDEX.						
REQ REQD	REQUIRE REQUIRED	THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS.						
REV RGD INS	REVISION RIGID INSULATION	CLEARING AND GRUBBING:						
REI RND	REQUEST FOR INFORMATION ROUND	REMOVE ALL BRUSH, RUBBISH, GRASS, AND GRASS ROOTS FROM THE CONSTRUCTION AREA.						
RT	RIGHT	REMOVE STUMPS, MATTED ROOTS AND ROOTS LARGER THAN 2 INCHES IN DIAMETER WITHIN 6 INCHES OF THE						
	REVEAL SOUTH SCHEMATIC	SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED.						
	SCHEMATIC SCHEDULE SHOP DRAWINGS	EXISTING LITILITIES LEET IN PLACE SHALL BE THOROUGHLY EVALUATED FOR LEAKS LEAKS FOUND SHALL BE						
SDI I I I I I I I I I I I I I I I I I I I	STEEL DECK INSTITUTE	REPAIRED. BACKFILL AROUND EXISTING UTILITIES LEFT IN PLACE SHALL BE THOROUGHLY EVALUATED BY THE GEOTECHNICAL ENGINEER PER THE REQUIREMENTS OF THE SOILS INVESTIGATION						
SE SECT	STRUCTURAL ENGINEER SECTION	REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE USED AS FILL MATERIAL.						
SF SHT	SQUARE FEET (FOOT) SHEET, SHAFT	BUT MAY BE STOCKPILED AND LATER USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BUILDING PAD.						
SHTHG SIM	SHEATHING SIMILAR	SITE, SUBFLOOR AND BEARING SURFACE PREPARATION:						
SJI SLNT	STEEL JOIST INSTITUTE SEALANT	A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM COMPLETE EXCAVATION OF ANY UNCONTROLLED FILL.						
SM SP	SMOOTH SUMP PIT	OVEREXCAVATE ALL SOILS UNDERLYING FOOTINGS AND FLOOR SLAB AND ALL UNCONTROLLED FILL TO A						
SPA SPEC	SPACE/SPACES SPECIFICATION							
SPRT SQ	SUPPORT SQUARE	WIDTH OF THE FOOTING OR TO SUITABLE MATERIAL PER GEOTECHNICAL ENGINEER, WHICHEVER OCCURS						
SQ IN SQ YD	SQUARE INCH SQUARE YARD STRUCTURAL STEEL RAINTING COUNCIL	CALITION SHOULD BE EXERCISED DURING ALL PHASES OF CONSTRUCTION AND EARTHWORK TO AVOID						
STAC	STAIRS STAIRS	IMPACTING EXISTING FOUNDATIONS, FOUNDATION BEARING MATERIALS, OR THE EXISTING BUILDING.						
STD	STANDARD STIFFENER	SCARIFY ALL EXPOSED SUBGRADE SOILS TO A DEPTH OF 8 INCHES, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 2%) AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER.						
STIR STL	STIRRUP STEEL	PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN 8 INCHES IF USING						
STL LNTL STL	STEEL LINTEL JST STEEL JOIST	HEAVY COMPACTION EQUIPMENT OR NOT GREATER THAN 6 INCHES IF USING LIGHTWEIGHT COMPACTION EQUIPMENT, IN LOOSE THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 2%) AND COMPACT TO						
STL PL STL RF DK	STEEL PLATE STEEL ROOF DECK	DENSITY SPECIFIED HEREINAFTER.						
STR STRUCT	STRINGERS STRUCTURAL	ALL EARTHWORK FOR THE BUILDING PAD SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE PERIMETER FOOTINGS EXCEPT AGAINST EXISTING STRUCTURES.						
SUB SUF	SUBSTITUTE SUFFICIENT	STRUCTURAL FILL REQUIREMENTS:						
SUP SUPPL	SUPPLEMENTARY SUPPLEMENT	GRADATION (ASTM D422):						
SYMM SYMM	SYMBOL SYMMETRICAL	SIEVE SIZE PERCENT PASSING BY WEIGHT						
28 -	TREAD	3" 90-100 NO 200 10-50						
&G AN	TONGUE AND GROOVE	PLASTICITY INDEX (ASTM D4318)						
B EMP	THRU BOLT TEMPORARY	(WET PREPARATION PROCEDURE): 22 MAXIMUM						
'HD 'HK	THREAD THICKNESS	IF THE PLASTICITY INDEX IS LESS THAN OR EQUAL TO 12, THE MOISTURE CONTENT OF THE FILL AT THE TIME OF COMPACTION SHALL BE WITHIN A RANGE OF +/-2 PERCENT OF OPTIMUM MOISTURE CONTENT.						
'HRU 'JI	THROUGH TRUSS JOIST INSTITUTE	IF THE PLASTICITY INDEX IS GREATER THAN 12, THE MOISTURE CONTENT OF THE FILL AT THE TIME OF						
O OB	TOP OF TOP OF BEAM	COMPACTION SHALL BE WITHIN A RANGE OF 0 PERCENT TO 4 PERCENT ABOVE OPTIMUM MOISTURE CONTENT.						
OC OC FTG	TOP OF CONCRETE TOP OF CONCRETE FOOTING	MATERIAL LARGER THAN 6 INCHES SHALL NOT BE PLACED IN THE STRUCTURAL FILL, AND MATERIAL LARGER THAN 4 INCHES SHALL NOT BE PLACED WITHIN TWELVE INCHES OF THE BEARING SURFACES OF SLABS OR						
OC WALL	TOP OF CONCRETE WALL TOP OF FOOTING							
OG OJ	TOP OF GRATE TOP OF JOIST TOLEDANCE	FILL. MATERIAL SHALL BE PLACED IN SUCH A MANNER AS TO RESULT IN A UNIFORMLY COMPACTED FILL.						
OL OM	TOP OF MASONRY	IT APPEARS THE LEAN CLAY SOILS ENCOUNTERED IN THE BORINGS WOULD BE SUITABLE FOR USE AS THE LOWER PLASTICITY STRUCTURAL FILL. USE OF THE HIGHER PLASTICITY LEAN TO FAT CLAY SOILS AS A LOW						
OS OS	TOP OF SLAB TOP OF STEFI	PLASTICITY STRUCTURAL FILL SHALLNOT BE ALLOWED.						
OW RANS	TOP OF WALL TRANSVERSE	IMPORTED FILL OR EXISTING SOILS MAY BE USED FOR THE STRUCTURAL FILL. HOWEVER, IN ORDER TO MEET THE ABOVE CRITERIA, THE ON SITE SOILS WILL PROBABLY NEED TO BE MIXED WITH IMPORTED FILL. IT IS THE						
RNBKL	TURNBUCKLE TYPICAL	CONTRACTORS RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO PROVIDE THE REQUIRED STRUCTURAL FILL.						
JBC JNO	UNIFORM BUILDING CODE UNLESS NOTED OTHERWISE	GRANULAR BASE COURSE REQUIREMENTS:						
/AR /ERT	VARIES VERTICAL	GRADATION (ASTM C136):						
/IF /NR	VERIFY IN FIELD VENEER	SIEVE SIZE PERCENT PASSING BY WEIGHT						
κ /RFY	VAPOR RETARDER VERIFY WEST MUDE	1" 100 3/4" 85-100 NO 4 45.05						
v		■ INU. 1 40-30						

<u>SIEVE SIZE</u>	PERCENT PASSING E
1"	100
3/4"	85-100
NO. 4	45-95
NO. 200	0-8
PLASTICITY INDEX (ASTM D431	8)· 3 MAXIMI IM

THE COURSE AGGREGATE SHALL HAVE A PERCENT WEAR OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM C131.

COMPACTION REQUIREMENTS:

IN ACCORDANCE WITH ASTM D698 (STANDARD PROCTOR, SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE MAXIMUM DRY DENSITY AT +/- 2% OPTIMUM MOISTURE CONTENT:

MATERIAL

WITH

WITHOUT

WOOD WIDE FLANGE

WIND LOAD

WIRE MESH

WAINSCOT

WEIGHT

YARD

WATERPROOFING

WELDED WIRE FABRIC

DOUBLE EXTRA HEAVY

5

WELDED WIRE MESH

CROSS BRACING

WELDED

WOOD BLOCKING

WIDE FLANGE BEAM

VRFY

W

W/

W/O

WBL WD

WF WF BM

WL

WM

WP

WT

WSCT

WWF

WWM

XXH

YD

X BRACE

WLD

STRUCTURAL FILL IN THE BUILDING AREA SUBBASE FOR SLAB SUPPORT SUBGRADE BELOW STRUCTURAL FILL MISCELLANEOUS BACKFILL

SITE RETAINING WALL DESIGN CRITERIA:

MINIMUM PERCENT COMPACTION

EQUIVALENT FLUID PRESSURE

6

45 PCF 200 PCF 65 PCF 0.20 2000 PSF

ACTIVE EARTH PRESSURE

LOADING CONDITION

PASSIVE EARTH PRESSURE EARTH PRESSURE AT REST SOIL FRICTION FACTOR SOIL BEARING CAPACITY



GENERAL STRUCTURAL NOTES	GENERAL STRUCTURAL NOTES	GENERAL STRUCTURAL NOTES
BC-15 INTERNATIONAL BUILDING CODE 2015	PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED, EITHER DIRECTLY OR INDIRECTLY, BY THE WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE	ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE
ASCE/SEI 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS SDI DIAPHRAGM DESIGN MANUAL, 3RD EDITION	ERECTION AND MAINTENANCE OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, COVERINGS, LIGHTS, AND OTHER PRECAUTIONS AS MAY BE REQUIRED. IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIVE, PROPER PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THIS PROTECTION.	REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315-99).
ANSI/SDI RD1.0-06 STANDARD FOR STEEL ROOF DECK ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AWS D1.1-04 STRUCTURAL WELDING CODE – STEFI	THE CONTRACTOR SHALL AT NO ADDITIONAL COST TO THE OWNER, INSTALL AND MAINTAIN SUCH ADDITIONAL PROTECTION AS MAY BE DIRECTED BY THE OWNER.	ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND INDICATED FIELD-BENT BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40.
DESIGN CRITERIA:	POLLUTION CONTROLS: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL.	ALL WELDED WIRE FABRIC SHALL BE DEFORMED AND SHALL CONFORM TO ASTM A479. PROVIDE IN FLAT SHEETS ONLY.
	TYPICAL DETAIL SHEETS:	TENSION AND COMPRESSION LAPS IN REINFORCING SHALL CONFORM TO THE LAP SPLICE SCHEDULE ON SHEET S-601 AND BE IN ACCORDANCE WITH ACI 318, CHAPTER 25, UNLESS NOTED OTHERWISE.
ROOF LIVE LOAD: LR = 20*R1*R2 20 PSF REDUCTION FACTOR BASED ON TRIB AREA R1=1.0 REDUCTION FACTOR BASED ON ROOF SLOPE R2=1.0	THE S-700 SERIES SHEETS IN THESE DRAWINGS CONTAIN TYPICAL STRUCTURAL DETAILS FOR VARIOUS BUILDING MATERIALS. SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT.	ALL HORIZONTAL REINFORCING IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT (CORNER) BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP 30 BAR
SNOW LOAD	DRAWINGS:	DIAMETERS (24" MINIMUM).
FLAT ROOF SNOW LOAD**PF=16 PSFSNOW EXPOSURE FACTORCE=1.0	DO NOT SCALE DRAWINGS.	A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
SNOW LOAD IMPORTANCE FACTOR IS=1.10 THERMAL FACTOR CT=1.0 **INCLUDES 5 PSF RAIN-ON SNOW SURCHARGE LOAD	WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS.	 B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER: 1. BARS LARGER THAN NO. 5: 2" 2. BARS NO. 5 OR SMALLER: 1 1/2"
IORIZONTAL:	WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.	 C. CONCRETE NOT EXPOSED TO WEATHER OR NOT IN CONTACT WITH GROUND: 1. STRUCTURAL SLABS, WALLS AND JOISTS (NO. 11 AND SMALLER): 3/4" D. SLAB ON GRADE: 11/2" FROM TOP OF SLAB
WIND ULTIMATE DESIGN WIND SPEED 120 MPH	FAST-TRACK/PHASED CONSTRUCTION:	E. STRUCTURAL SLABS ON METAL DECK: 1" FROM TOP OF SLAB
RISK CATEGORY III EXPOSURE COEFFICIENT C INTERNAL PRESSURE COEFFICIENT GCPI=0.18	THE STRUCTURAL PORTION OF THIS PROJECT IS BEING DESIGNED, BID, PERMITTED, AND CONSTRUCTED PRIOR TO THE COMPLETION OF ARCHITECTURAL, ENGINEERING, AND OTHER DESIGN TEAM CONSTRUCTION DOCUMENTS. THE OWNER, ARCHITECT, AND CONTRACTOR SHALL BE AWARE THAT THIS ACCELERATED	FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.
SEISMIC SEISMIC IMPORTANCE FACTOR IS = 1.25 MAPPED SPECTRAL RESPONSE ACCELERATIONS	STRUCTURAL SCHEDULE CREATES INHERENT RISK OF FUTURE CHANGES DUE TO DESIGN COORDINATION WITH OTHER DISCIPLINES. WHILE EVERY EFFORT HAS BEEN MADE TO MINIMIZE THESE CHANGES, THE RISK OF ADDED COSTS DUE TO THESE CHANGES SHALL BE UNDERSTOOD AND ACCEPTED BY ALL PARTIES	REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED
SHORT PERIOD SI ECOND PERIOD SI =0.071G	DRAWINGS THAT DO NOT HAVE AN ENGINEERING SEAL BY THE STRUCTURAL ENGINEER OF RECORD OR NOT	BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-99.
SITE CLASS C SPECTRAL RESPONSE COEFFICIENTS SHORT PERIOD SDS=0.105G	LABELED AS CONSTRUCTION DRAWINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. IF THESE DOCUMENTS ARE BEING USED FOR PRICING, BIDDING, STEEL MILL ORDER, OR PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL ANTICIPATE FUTURE DRAWING REVISIONS THAT MAY AFFECT THIS	REINFORCING SHALL BE SECURELY TIED TO SUPPORTS. CHAIRS WITH 22 GAGE SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF
1 SECOND PERIOD SD1=0.080G SEISMIC DESIGN CATEGORY B BASIC SEISMIC FORCE RESISTING SYSTEM	WORK OR INCREASE CONSTRUCTION COSTS. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CHANGE ORDER COSTS INCURRED DUE TO THESE DRAWING REVISIONS, AND THE CONTRACTOR SHALL CONSIDER THESE ANTICIPATED COSTS IN ANY RIDS OF PRICE CHARANTEES TO THE OWNER.	CONCRETE IN CONTACT WITH GRADE.
STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE SEISMIC RESPONSE COEFFICIENT CS=0.044	USE THE MOST CURRENT SET OF DRAWINGS IN PREPARATION OF ALL SUBMITTALS. ALL SUBMITTALS SHALL	THE STRUCTURAL DESIGN IS BASED ON THE POST INSTALLED ANCHORING SYSTEMS NOTED BELOW. SINCE
RESPONSE MODIFICATION FACTORR = 3DESIGN BASE SHEARV = 0.044WANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE	LIST THE DATE OF THE DRAWINGS USED TO PREPARE THE SUBMITTAL. SUBMITTALS PREPARED FROM OUTDATED DRAWINGS MAY BE REJECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING THE LATEST SET OF CONSTRUCTION DRAWINGS AND DISTRIBUTING TO THE APPROPRIATE PARTIES.	ANCHOR CAPACITIES VARY BY MANUFACTURER, THE CONTRACTOR SHALL USE ONLY THE SYSTEMS NOTED BELOW UNLESS AN ALTERNATE IS APPROVED BY THE ENGINEER OF RECORD. ALTERNATE ANCHORING SYSTEMS MAY REQUIRE RE-DESIGN TO VERIFY ANCHOR QUANTITIES, SPACING, AND EMBED DEPTHS. THE
ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF	CAST-IN-PLACE CONCRETE:	CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL CONSTRUCTION AND RE-DESIGN COSTS ASSOCIATED WITH THE ALTERNATE ANCHORING SYSTEM.
FROST DEPTH = 24 INCHES	ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-05.	ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO CONCRETE SHALL BE SIMPSON SET-XP EPOXY-TIE ANCHORING SYSTEM. INSTALLATION SHALL BE PER MANUFACTURER'S
FUTURE BUILDING EXPANSION: NONE ORILLED PIER DESIGN INFORMATION:	ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.	RECOMMENDATIONS. ALL POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE SIMPSON TITEN HD SCREW ANCHOR.
PIER CAPACITY CRITERIA: WEATHERED SHALE ALLOWARI F FND REARING IN SHALE=9,000 PSF	A. F'C = 4500 PSI @ 28 DAYS – ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES AND OCCASIONAL MOISTURE INCLUDING CONCRETE FLAT WORK EXPOSED BUILDING STEM MALLS, SITE MALLS, STO	INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
ALLOWABLE SKIN FRICTION TO RESIST UPLIFT IN SHALE=650 PSF MINIMUM SOCKET INTO SHALE 3 FEET OR ONE PIER DIAMETER, WHICHEVER IS GREATER.	EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F1 ACCORDING TO ACI 318 TABLE 19.3.1.1.	LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.
GENERAL:	 B. F.C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEDESTALS, TIE BEAMS, GRADE BEAMS, RETAINING WALLS, ETC.). C. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NOTED OTHERWISE. 	SUBMIT ALL PROPOSED ANCHORING SYSTEMS INCLUDING ICC-ES REPORTS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION. THE ICC-ES FORMS SHALL MEET THE REQUIREMENTS OF THE IBC
STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES, THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT POOL MENTS	CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RATIOS, AND OTHER CRITERIA)	REFERENCED IN THESE NOTES.
NTO THE SHOP DRAWINGS AND FIELD WORK.	CATEGORIES AND CLASSES DEFINED IN ACI 318 TABLE 4.2.1. USE AIR ENTRAINING ADMIXTURE IN ALL EXTERIOR CONCRETE. AIR CONTENT IN FIRE RATED SLABS SHALL ALSO COMPLY WITH THE REQUIREMENTS	ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC
DOURDINATE DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, BLOCKOUTS, ETC. WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, PROJECT SHOP DRAWINGS, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL. THE STRUCTURAL DRAWINGS ONLY REPRESENT A PORTION OF THE	IN THE SPECIFIED UT LISTING. COLD WEATHER CONCRETING: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED	"SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS". ALL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50, UNLESS NOTED OTHERWISE.
REQUIREMENTS FOR THE PROJECT.	STRENGTH CAUSED BY FROST, FREEZING OR LOW TEMPERATURES. COMPLY WITH ACI 306.1. HOT WEATHER CONCRETING: WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR THE OUALITY	ALL MISCELLANEOUS STEEL MEMBERS, SUCH AS CHANNELS, ANGLES, FLAT BARS, AND PLATES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE
CONNECTED TO THE PRIMARY STRUCTURE TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF SPAN/360 FOR FLOOR FRAMING AND SPAN/240 FOR ROOF FRAMING.	AND STRENGTH OF THE CONCRETE, REDUCE DELIVERY TIME OF READY MIX CONCRETE, LOWER THE TEMPERATURE OF MATERIALS, OR ADD RETARDER TO ENSURE THAT THE CONCRETE IS PLASTIC.	ALL RECTANGULAR AND SQUARE STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, FY = 46 KSI
CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.	THE CONTRACTOR IS ALLOWED TO CAST FOUNDATIONS AGAINST EXCAVATED SOIL SURFACES, PROVIDED	BOLTS SHALL CONFORM TO ASTM A325N TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.	THE FOLLOWING IS ADHERED TO: A. THE SIDE SLOPES OF THE EXCAVATION SHALL BE ABLE TO MAINTAIN VERTICAL SLOPE WITHOUT SOIL	AS SHOWN ON THE DRAWINGS. WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD A325N BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW, POORLY EXECUTED SHOP DRAWINGS WILL BE REVIEW AND SUBMITTAL TO THE	SLOUGHAGE. B. THE BOTTOM WIDTH OF THE EXCAVATION SHALL BE ONE INCH WIDER MINIMUM ON EACH SIDE THAN THE SPECIFIED FOOTING WIDTH	ALL BOLTS SHALL BE INSTALLED IN A SNUG TIGHT CONDITION EXCEPT AT MOMENT CONNECTIONS, BRACED
RESUBMITTED.	 C. THE SIDE WALLS OF THE EXCAVATION SHALL BE BATTERED A MINIMUM OF ONE INCH HORIZONTAL TO TWELVE INCHES VERTICAL. 	BOLTS SHALL BE TIGHTENED SO AS TO SHEAR THE SPLINE OFF THE BOLT.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.	 IF SANDT OR LOOSE MATERIALS ARE ENCOUNTERED, THE FOOTING MUST BE FORMED. E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY SOIL SLOUGHAGE FROM THE WET CONCRETE DURING THE CASTING OPERATION. 	ANOTION BOLTS EIVIBEDDED IN CONCRETE SHALL BE ASTM F1554 GRADE 36 THREADED RODS WITH DOUBLE NUTS. PROVIDE FLAT WASHERS BETWEEN NUTS AND BASEPLATE SURFACES. ANCHOR BOLT LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE
EMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.	F. THE CONTRACTOR AGREES TO REMOVE AND RECAST ANY FOOTING WHERE THE ABOVE CONDITIONS ARE NOT MET.	CONTRACTOR SHALL PROVIDE ANCHOR BOLTS WITH ADDITIONAL BOLT LENGTH TO FACILITATE THE REQUIRED CONNECTION.
NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.	EXPOSED SITE WALLS, RETAINING WALLS, AND STEM WALLS GREATER THAN 30 FEET IN LENGTH SHALL HAVE CONTROL JOINTS INSTALLED AT THE FOLLOWING MAXIMUM SPACING:	ANCHOR BOLT FLAT WASHERS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 14-2 OF AISC 360, AISC MANUAL OF STEEL CONSTRUCTION LATEST EDITION.
THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.	12'-0" ON CENTER FOR WALLS 6'-0" MAXIMUM HEIGHT 18'-0" ON CENTER FOR WALLS 10'-0" MAXIMUM HEIGHT	ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS STRUCTURAL WELDING CODE.
BACKFILL SHALL NOT BE PLACED BEHIND RETAINING WALLS UNTIL CONCRETE HAS ATTAINED 100 PERCENT OF DESIGN STRENGTH.	20'-0" ON CENTER FOR WALLS GREATER THAN 10'-0" IN HEIGHT	ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR FNI ARGING OF MISALIGNED HOLES WILL NOT BE ALLOWED.
BACKFILL SHALL NOT BE PLACED BEHIND BASEMENT WALLS UNTIL THE CONCRETE HAS ATTAINED 100		HEADED CONCRETE ANCHORS AND SHEAR CONNECTORS SHALL BE MADE FROM STEEL CONFORMING TO
TERGENT OF DESIGN STRENGTH AND THE ELEVATED FLOOR PROVIDING LATERAL SUPPORT AT THE TOP OF THE WALL IS COMPLETELY CONSTRUCTED, OR TEMPORARY BRACING/SHORING OF THE WALL IS PROVIDED. DESIGN OF ANY TEMPORARY WALL BRACING/SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.	SEE SHEET S-711 FOR TYPICAL CONCRETE DETAILS. DRILLED PIERS:	AS IM A 108 AND MEET THE MECHANICAL PROPERTIES OF TYPE B, AS REQUIRED BY CHAPTER 7 OF AWS D1.1 "STRUCTURAL WELDING CODE-STEEL", LATEST EDITION. STRUCTURAL STEEL TO RECEIVE SHEAR CONNECTORS SHALL BE FREE OF PAINT. WELDING PREQUALIFICATION REQUIRED.
REMOVAL OF FORMS AND SHORING SHALL BE IN ACCORDANCE WITH ACI 347. WHERE CONCRETE MUST	COMPLY WITH PROVISIONS OF AMERICAN CONCRETE INSTITUTE (ACI) "STANDARD SPECIFICATION FOR CONSTRUCTION OF DRIFTED PIERS" (ACI 336-1)	SEE SHEET S-741 FOR TYPICAL STEEL DETAILS. STEEL DECK:
CONCRETE IN ACCORDANCE WITH ACI 347. RESHORING SHALL NOT BE REMOVED SOONER THAN 28 DAYS ROM THE DATE OF POUR OR UNTIL CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.	DESIGN CONCRETE MIX IN ACCORDANCE WITH CHAPTER 3 OF ACI 301 TO PRODUCE CONCRETE FOR	ALL STEEL DECK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE
THE CONTRACTOR SHALL SUBMIT FOR PRIOR APPROVAL THE END OF POUR LOCATIONS FOR CONCRETE GRADE BEAMS, CONCRETE COLUMNS, AND CONCRETE BEAMS.	CONCRETE MIX SHALL HAVE AIR-ENTRAINMENT AT POINT OF PLACEMENT HAVING 4% TO 6% AIR CONTENT, A	STEEL DECK INSTITUTE SPECIFICATIONS. SEE PLANS FOR STEEL DECK TYPE, GAGE, FINISH AND CONNECTIONS.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY DSHA, INCLUDING THE FOLLOWING REQUIREMENTS FROM STANDARDS - 29 CFR SECTION 1926	WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, TYPE A, AND A SLUMP DURING PLACEMENT BETWEEN 4" AND 6". REINFORCING STEEL AND DOWELS SHALL CONFORM TO ASTM A615, GRADE 60, FABRICATE AND ERECT	PROVIDE A MINIMUM OF 1 1/2" BEARING FOR ALL STEEL DECK.
SUBPART R:	REINFORCING CAGES IN SHAFTS AS ONE CONTINUOUS UNIT USING INNER RING REINFORCING STEEL. PLACE REINFORCEMENT ACCURATELY AND SYMMETRICALLY ABOUT AXIS OF HOLE AND HOLD SECURELY IN POSITION DURING CONCRETE DIACEMENT.	ALL SPLICES AND LAPS SHALL BE A MINIMUM OF 2" IN LENGTH AND SHALL BE LOCATED DIRECTLY ABOVE SUPPORTS.
A. THE STEEL ERECTION CONTRACTOR SHALL NOT ERECTISTEEL UNLESS THEY HAVE RECEIVED WRITTEN NOTIFICATION FROM THE CONTRACTOR THAT THE CONCRETE IN THE FOOTINGS, PIERS AND WALLS OR THE MORTAR IN THE MASONRY PIERS AND WALLS HAS ATTAINED, ON THE BASIS OF AN	EXCAVATE HOLES FOR DRILLED PIERS TO DEPTH AS SHOWN ON DRAWINGS. DRILLED PIER DESIGN	ALL DECKING SHALL BE CONTINUOUS OVER TWO OR MORE SPANS.
APPROPRIATE ASTM STANDARD TEST METHOD OF FIELD-CURED SAMPLES, EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE DESIGN STRENGTH OR SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED DURING STEEL ERECTION.	DIMENSIONS SHOWN ARE MINIMUMS. VERIFY BY INSPECTION AND MEASUREMENT THAT THE EXCAVATIONS ARE OPEN TO DESIGN DEPTH FOR EACH DRILLED PIER. TWO ADDITIONAL PASSES SHALL BE MADE TO CLEAN LOOSE MATERIAL AT BOTTOM OF EXCAVATIONS.	GLASS CURTAIN WALL SYSTEM: ALL LATERAL AND GRAVITY SUPPORT FOR THE GLASS CURTAIN WALL SYSTEM SHALL BE PER THE
PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE	THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL ENGINEER UNDER	MANUFACTURER'S RECOMMENDATIONS. SHOP DRAWINGS AND STAMPED CALCULATIONS SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER OF RECORD AND THE ARCHITECT PRIOR TO INSTALLATION.
B. ANCHOR RODS (ANCHOR BOLTS) SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT	PERFORMED.	THE ENGINEER STAMPING THE SHOP DRAWINGS SHALL BE REGISTERED IN THE STATE THAT THE PROJECT IS LOCATED.
THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.	THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST 24 HOURS PRIOR TO THE TIME EXCAVATIONS WILL BE DRILLED.	THE GLASS CURTAIN WALL SYSTEM SHALL BE LATERALLY SUPPORTED AT ALL INTERMEDIATE HORIZONTAL FRAMING MEMBERS AND ROOF LEVEL
THE STEEL ERECTOR IF THERE HAS BEEN ANY REPAIR, REPLACEMENT OR MODIFICATION OF THE ANCHOR RODS (ANCHOR BOLTS).	FILL DRILLED PIERS WITH CONCRETE IMMEDIATELY AFTER INSPECTION AND APPROVAL BY GEOTECHNICAL ENGINEER. NO EXCAVATION SHALL STAND OPEN FOR MORE THAN 8 HOURS.	SPECIAL INSPECTION:
PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.	CONCRETE SHALL BE PLACED THROUGH A HOPPER CENTERED IN THE REINFORCING CAGE SO THAT CONCRETE DOES NOT HIT REINFORCING OR SIDES OF HOLE. LET CONCRETE FREE-FALL FOR ENTIRE DEPTH	THE OWNER SHALL PROVIDE FOR SERVICES OF A CERTIFIED INSPECTOR (APPROVED BY THE BUILDING OFFICIAL OR THE ENGINEER OF RECORD) IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL
C. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST OR STEEL JOIST GIRDER SHALL BE MADE WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENCINEER OF RECORD	OF SHAFT. PLACE CONCRETE CONTINUOUSLY AND IN A SMOOTH FLOW WITHOUT SEGREGATING. PROVIDE MECHANICAL VIBRATION FOR CONSOLIDATION OF TOP 5' OF EACH SHAFT. PLACE CONCRETE IN-THE-DRY UNLESS PLACING UNDER WATER IS ACCEPTABLE TO ENGINEER OF	BUILDING CODE FOR THE SPECIAL INSPECTION ITEMS NOTED ON SHEET S-002.
D. METAL DECKING HOLES AND OPENINGS SHALL NOT BE CUT UNTIL IMMEDIATELY PRIOR TO BEING	RECORD.	THE DEFERRED SUBMITTALS LISTED BELOW ARE THOSE PORTIONS OF THE DESIGN THAT ARE NOT
PERMANENTLY FILLED WITH THE EQUIPMENT OR STRUCTURE, OR SHALL BE IMMEDIATELY COVERED.	STOP CONCRETE PLACEMENT AT CUT-OFF ELEVATION SHOWN, SCREED LEVEL, AND APPLY A SCOURED, ROUGH FINISH.	COMPLETED AT THE TIME OF APPLICATION AND ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL AND APPROVED PRIOR TO THE INSTALLATION OF THOSE ITEMS. THE MANUFACTURER, CONSULTANT, OR CONTRACTOR, AS APPROPRIATE, SHALL PROVIDE SUBMITTALS TO THE ENGINEER OF RECORD FOR REVIEW FOR THE FOLLOWING ITEMS:

COMPONENT AND CLADDING WIND LOADS

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NOTE: WIND LOAD CALCULATIONS ARE PER IBC 2015 LRFD FACTORS

ROOF ZONE 1	-	+16 PSF/ -34.8 PSF
ROOF ZONE 2	-	+30.2 PSF/ -48.5 PSF
ROOF ZONE 3	-	+30.2 PSF/ -48.5 PSF
NALL ZONE 4	-	±30.3 PSF
VALL ZONE 5	-	±34.2 PSF
PARAPET ZONE 4	-	±64.7 PSF
PARAPET ZONE 5	-	±68.5 PSF

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

- 1. SPECIAL INSPECTIONS / TESTING "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM HAVING THE INSPECTIONS OF THE JURISDICTION BUILDING DEPARTMENT PER SECTION 110 OF THE IBC PERFORMED. BOTH THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS AND "SPECIAL STRUCTURAL INSPECTION" SHALL BE PERFORMED.
- 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE JURISDICTION BUILDING OFFICIAL AND SPECIAL INSPECTOR WHEN WORK IS READY FOR INSPECTION.
- 3. REPORTING FOR SPECIAL INSPECTION SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN THREE (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.
- 4. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
- 5. SPECIAL INSPECTION OF SHOP FABRICATED MEMBERS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2, UNLESS FABRICATOR IS APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION.
- 6. IN ACCORDANCE WITH IBC CHAPTER 17, THE OWNER OR THE OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS, DURING CONSTRUCTION FOR THE TYPES OF WORK LISTED BELOW THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL IDENTIFIED IN IBC SECTION 110
- 7. DEFINITIONS:

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* SPECIAL INSPECTION: INSPECTION AS HEREIN REQUIRED BY A QUALIFIED SPECIAL INSPECTOR COMPETENT WITH THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS (SEE SECTION 1704). * CONTINUOUS SPECIAL INSPECTION: FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN

APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. * PERIODIC SPECIAL INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.

ITEM	DESCRIPTION OF REQUIREMENTS	REQUIRED (YES/NO)
SPECIAL INSPECTION OF STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH CHAPTER N OF AISC360- 10	YES
SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.2	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.3	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR MASONRY CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.4 AND REFERENCED STANDARDS	NO
SPECIAL INSPECTIONS AND VERIFICATIONS FOR WOOD CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.5	NO
SPECIAL INSPECTIONS AND VERIFICATIONS OF SOILS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.6, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE GENERAL FOUNDATION NOTES	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR DEEP FOUNDATIONS (DRIVEN PILES, CAST-IN-PLACE, OR HELICAL PILES AS APPLICABLE)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTIONS 1705.7- 1705.9 AS APPLICABLE, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE CONSTRUCTION DOCUMENTS	YES
SPECIAL INSPECTIONS FOR WIND RESISTANCE (REQUIRED ONLY FOR Vult= 155MPH OR GREATER IN EXPOSURE CATEGORY B, OR Vult=142MPH OR GREATER IN EXPOSURE CATEGORY C OR D)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.11	NO
SPECIAL INSPECTIONS AND VERIFICATIONS FOR SEISMIC RESISTANCE (REQUIRED FOR STRUCTURES ASSIGNED TO CATEGORIES C, D, E, OR F)	TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE PORTIONS OF IBC SECTIONS 1705.12 AND 1705.13	NO





- EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
- 2. NO STRUCTURAL MEMBERS SHALL BE CUT OR REMOVED UNLESS SPECIFICALLY INDICATED ON THESE DRAWINGS. NOTIFY ARCHITECT AND ENGINEER IF CONDITIONS DIFFER FROM THOSE SHOWN HERE.
- 3. SHADED AREA INDICATES EXTENTS OF DEMOLITION WORK.

SHEET KEYNOTE

- . FIELD VERIFY EXISTING CONCRETE PIER. IF PIER EXISTS, REMOVE IN ITS ENTIRETY.
- 2. EXISTING STEM WALL AND GRADE BEAM TO BE REMOVED IN THEIR ENTIRETY.
- 3. EXISTING CONCRETE PIER AND PIER CAP TO BE ABANDONED.
- 4. EXISTING STEM WALL AND GRADE BEAM TO REMAIN.
- 5. EXISTING CONCRETE SLAB TO BE REMOVED IN ITS ENTIRETY.
- 6. EXISTING CONCRETE SLAB TO REMAIN.
- 7. EXISTING STEEL COLUMN TO BE REMOVED IN ITS ENTIRETY. 8. EXISTING STEEL COLUMN TO REMAIN.
- 9. EXISTING STUD WALL TO REMAIN.
- 10. EXISTING STUD WALL TO BE REMOVED IN ITS ENTIRETY.
- 11. EXISTING STEEL BEAM TO BE REMOVED IN ITS ENTIRETY.
- 12. EXISTING STEEL ROOF FRAMING TO REMAIN.





- EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
- 2. NO STRUCTURAL MEMBERS SHALL BE CUT OR REMOVED UNLESS SPECIFICALLY INDICATED ON THESE DRAWINGS. NOTIFY ARCHITECT AND ENGINEER IF CONDITIONS DIFFER FROM THOSE SHOWN HERE.
- 3. SHADED AREA INDICATES EXTENTS OF DEMOLITION WORK.

SHEET KEYNOTE

- . FIELD VERIFY EXISTING CONCRETE PIER. IF PIER EXISTS, REMOVE IN ITS ENTIRETY.
- 2. EXISTING STEM WALL AND GRADE BEAM TO BE REMOVED IN THEIR ENTIRETY.
- EXISTING CONCRETE PIER AND PIER CAP TO BE ABANDONED.
- 4. EXISTING STEM WALL AND GRADE BEAM TO REMAIN. 5. EXISTING CONCRETE SLAB TO BE REMOVED IN ITS
- ENTIRETY. 6. EXISTING CONCRETE SLAB TO REMAIN.
- 7. EXISTING STEEL COLUMN TO BE REMOVED IN ITS ENTIRETY.
- 8. EXISTING STEEL COLUMN TO REMAIN.
- 9. EXISTING STUD WALL TO REMAIN.
- 10. EXISTING STUD WALL TO BE REMOVED IN ITS ENTIRETY.
- 11. EXISTING STEEL BEAM TO BE REMOVED IN ITS ENTIRETY.
- 12. EXISTING STEEL ROOF FRAMING TO REMAIN.





GENERAL SHEET NOTES EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING. 2. NO STRUCTURAL MEMBERS SHALL BE CUT OR REMOVED UNLESS SPECIFICALLY INDICATED ON THESE DRAWINGS. NOTIFY ARCHITECT AND ENGINEER IF CONDITIONS DIFFER FROM THOSE SHOWN HERE. 3. SHADED AREA INDICATES EXTENTS OF DEMOLITION WORK. SHEET KEYNOTE 1. FIELD VERIFY EXISTING CONCRETE PIER. IF PIER EXISTS, REMOVE IN ITS ENTIRETY. EXISTING STEM WALL AND GRADE BEAM TO BE REMOVED IN THEIR ENTIRETY. 3. EXISTING CONCRETE PIER AND PIER CAP TO BE ABANDONED.

- 4. EXISTING STEM WALL AND GRADE BEAM TO REMAIN.
- 5. EXISTING CONCRETE SLAB TO BE REMOVED IN ITS ENTIRETY.
- 6. EXISTING CONCRETE SLAB TO REMAIN.
- 7. EXISTING STEEL COLUMN TO BE REMOVED IN ITS ENTIRETY.
- 8. EXISTING STEEL COLUMN TO REMAIN.
- 9. EXISTING STUD WALL TO REMAIN.

- 10. EXISTING STUD WALL TO BE REMOVED IN ITS ENTIRETY.
- 11. EXISTING STEEL BEAM TO BE REMOVED IN ITS ENTIRETY.
- 12. EXISTING STEEL ROOF FRAMING TO REMAIN.









- 1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- 2. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE
- AISC CODE OF STANDARD PRACTICES.
- 3. DIMENSIONS ARE TO THE FACE OF STUD, UNLESS NOTED OTHERWISE.
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- . BEAMS ARE SPACED EQUALLY BETWEEN SUPPORTS, UNLESS NOTED OTHERWISE.
- 6. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 6" STUDS, DESIGNED BY OTHERS.
- 7. SEE SHEET S-321 FOR TYPICAL ROOF FRAMING SECTIONS.
- 8. SEE SHEET S-711 THRU S-741 FOR TYPICAL DETAILS. 9. SEE SHEET S-541 FOR TYPICAL FRAMING DETAILS.
- 10. SEE SHEET S-601 FOR SCHEDULES.

SHEET KEYNOTE

- 1. EXISTING WALL AND FRAMING TO REMAIN.
- 2. 4" BUILDING EXPANSION JOINT.

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- 10. SEE SHEET S-601 FOR SCHEDULES.

SHEET KEYNOTE

1. EXISTING WALL AND FRAMING TO REMAIN.

6

2. 4" BUILDING EXPANSION JOINT.

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10. SEE SHEET S-601 FOR SCHEDULES.

SHEET KEYNOTE

- 1. EXISTING WALL AND FRAMING TO REMAIN.
- 2. 4" BUILDING EXPANSION JOINT.

1 1/16"=1'- 0 8 16' 3 0 4 8 16 1/8"=1'- 1/8"=1'-2 0 2 4 8 1/4"=1'-

GENERAL SHEET NOTES

- 1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- 2. REFERENCE FINISH FLOOR ELEVATION 100'-0" =MEAN SEA
- 3. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF
- 4. DIMENSIONS ARE TO THE FACE OF CONCRETE, OR GRID LINE
- 5. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER
- TOP OF PIER CAP ELEVATION = 98' 0", UNLESS NOTED
- TOP OF GRADE BEAM ELEVATION = TOP OF PIER CAP ELEVATION, UNLESS NOTED OTHERWISE.
- 8. TOP OF TIE BEAM = TOP OF PIER CAP ELEVATION, UNLESS
- 9. PROVIDE SLAB JOINTS AT 12' 0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2.1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 2-#4 x 3'-0"
- 10. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 6" STUDS,

- 13. SEE SHEET S-601 FOR SCHEDULES.

SHEET KEYNOTE

FLOOR DRAIN, SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

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- 9. SEE SHEET S-541 FOR TYPICAL FRAMING DETAILS. 10. SEE SHEET S-601 FOR SCHEDULES.

SHEET KEYNOTE

- 1. EXISTING WALL AND FRAMING TO REMAIN.
- 2. 4" BUILDING EXPANSION JOINT.

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- FRAME IS DEPENDENT UPON THE MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
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SHEET KEYNOTE

- . EXISTING WALL AND FRAMING TO REMAIN.
- 2. 4" BUILDING EXPANSION JOINT.

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SHEET KEYNOTE

- 1. EXISTING WALL AND FRAMING TO REMAIN.
- 2. 4" BUILDING EXPANSION JOINT.

eTB	(eTC)	eTD	TD.7 (eTE
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SHEET KEYNOTE

- 1. EXISTING WALL AND FRAMING TO REMAIN.
- 2. 4" BUILDING EXPANSION JOINT.

NOTE: CONTRACTOR TO FIELD VERIFY ALL EXISTING TOP OF STEEL ELEVATIONS PRIOR TO FABRICATION OF NEW STEEL

(eT3)

5' - 2 1/2" 5' - 2 1/2"

HSS6x6x5/16

TOS EL= 158' - 0" TOS EL= 158' - 0" TOS EL= 158' - 0"

HSS6x6x5/16

TOS EL= 144' - 5"

20' - 6"

HSS6x6x5/16

HSS6x6x5/16

TOS EL= 144' - 5"

20' - 6"

HSS6x6x5/16

TO STL= 144' - 5 1/16" FIELD VERIFY

HSS6x6x5/16

TO STL= 144' - 0"

0 3/4"=1'-

1"=1'- <u>0 6 1'</u>

0 1' 2 3/4"=1'-0 3 6 1'

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

4 0 3 6 3"=1'-0 1' 2 3/4"=1'-0 3 6 1' , 0 6 1'

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

	PIER CAP SCHEDULE									
ER BED	VERTICAL REINF	HORIZ TIES	PIER CAP TYPE	SCHED 'A'	SCHED 'B'	DEPTH	CG PCAP REINF TOP	CG PCAP REINF BOT	REMARKS	
0"	12 - #7	#4 @ 12" OC	TYPE 1	5' - 0"	5' - 0"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12" OC EA WAY		
0"	24 - #8	#4 @ 12" OC	TYPE 1	4' - 6"	7' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12" OC EA WAY		
0"	24 - #8	#4 @ 12" OC	TYPE 1	5' - 0"	6' - 0"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12" OC EA WAY		

	DECK SCHEDULE														
	SLAB METAL DECK DECK ATTACHMENTS								TOTAL SLAB /						
	COMPOSITE					REINF						ATTACH PARALLEL TO		DECK	
MARK	SLAB	THICK	MATL	STRENGTH	REINF	GRADE	THICK	TYPE	GAGE	FINISH	ATTACH PERP TO RIBS	RIBS	ATTACH SIDELAPS	THICKNESS	COMMENTS
D1.5R							1 1/2"	В	18	GALV	7 - 5/8" DIA PUDDLE WELDS	5/8" DIA PUDDLE	#10 SCREWS @ 6"	1 1/2"	
											PER 36" WIDE SHEET	WELDS @ 6" OC	OC		

	SLAB-ON-GRADE SCHEDULE													
		SLAB		REINFOR	CING									
(THICKNESS	MATL	CONC STRENGTH	REINFORCING	GRADE	BEARING STRATA	COMMENTS							
	5"	CONC		#4 @ 18" OC EA WAY		4" GRANULAR BASE COURSE OVER COMPACTED STRUCTURAL FILL								

	WALL SCHEDULE													
MARK	VENEER	WALL	VERTICAL	HORIZONTAL	GRADE	COMMENTS								
W1		8" CONC	#4 @ 18" OC	#4 @ 12" OC	A615, GR 60									
W2		8" CONC	#4 @ 12" OC	#5 @ 12" OC	A615, GR 60									

	GRADE BEAM SCHEDULE													
	SI	ZE												
MARK	WIDTH	DEPTH	CONT TOP	CONT BOTTOM	TRANSVERSE	GRADE	COMMENTS							
GB1	1' - 4"	2' - 0"												

R	EINFORC	ING LAP S	<u>SCHEDUL</u>	E				
REINFORCEMENT TYPE	#6 ANI	SMALLE	R (#db)	#7 AN	D LARGEF	R (#db)		COMMENTS
	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI		COMMENTS
ITINUOUS WALL FOOTINGS AND STEMWALLS	30	30	30	30	30	30	18	
AINING WALLS AND BASEMENT WALL VERTICAL REINFORCING	57	50	45	72	62	56	12	
AINING WALLS AND BASEMENT WALL HORIZONTAL REINFORCING	57	50	45	72	62	56	12	
ICRETE COLUMNS NOT SUPPORTING LATERAL FORCES	30	30	30	30	30	30	12	
ICRETE COLUMNS SUPPORTING LATERAL FORCES	57	50	45	72	62	56	12	
FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND	67	50	45	72	62	56	12	
IBINED COLUMN FOOTING AT BRACED FRAME AND MOMENT FRAMES	57	50	45					
TOM FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS,	57	50	45	55	62	56	12	
COMBINED COLUMN FOOTING AT BRACED FRAME AND MOMENT FRAMES	01	00	10	00	02	00	12	
BS-ON-GRADE	30	30	30	30	30	30	12	
MUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BASE	16	14	12	16	14	14	6	INCREASE LENGTH FOR # 11 BARS AND LARGER BY A FACTOR OF 1.4
REBAR LAPS IN CMU		72			72		12	

			3		4								
0	1'	2	11.11 0	6	1'	2	0	З	6	1'	0	з	6
3/4"=1'-							1 1/2"=1'-				3"=1'-		

MARK	TYPE	SI "T"x"
BP1	Α	PL 3/4">
BP2	Α	PL 3/4">
BP3	Α	PL 3/4"x

FOOTING SIZE

THICKNESS

FT-IN

1'-0"

1'-0"

1'-0"

WIDTH

FT-IN

2'-6"

3'-6"

5'-0"

CONCRETE SITE RETAINING WALL SCHEDULE

WALL

TYPE

Α

B

С

NOTE:

INFORMATION.

WALL HEIGHT

ABOVE GRADE

"HW"

FT-IN

0' - 0" - 3' - 6"

0' - 0" - 0 - 6"

ARCHITECTURAL AND CIVIL DWGS.

0' - 0" - 0' - 6"

HEIGHT RETAINED

"HR"

FT-IN

0' - 0" - 4' - 0"

0' - 0" - 5' - 0"

4' - 1" - 7' - 0"

COORDINATE EXACT LOCATION AND EXTENT OF WALL WITH

PROVIDE CONCRETE WALL VERTICAL CONTROL JOINTS AT

(2) TIMES THE WALL HEIGHT AND AT ALL STEPS IN TOP OF

WALL. SEE DETAIL C2/S7.11 FOR CONTROL JOINT

NOTE: ONLY SUPPLEMENTAL BARS ARE SHOWN FOR CLARITY

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TE SITE RETAINING WALL SCHEDULE													
FOOTING R	EINFORCING		WALL										
REINF #1	REINF #2	REINFO	DRCING	REINF	SPLICE LENGTH								
NUMBER - SIZE	SIZE - SPACING	VERT SIZE - SPACING	HORIZ SIZE - SPACING	LOCATION	"LS"								
3 - #5 CONT	#4 @ 48" OC	#4 @ 18" OC	#4 @ 12" OC	4"	24"								
3 - #5 CONT	#4 @ 48" OC	#4 @ 14" OC	#4 @ 12" OC	4"	24"								
5 - #5 CONT T&B	#5 @ 24" OC T&B	#5 @ 10" OC	#4 @ 12" OC	4"	36"								

A4 BASE PLATE TYPES - SCHEDULE AND DETAILS SCALE: NTS

0 1' 2 3/4"=1'-0 3 6 1' , O 6 1'

1 OVERALL FIRST FLOOR PLAN SCALE: 3/32" = 1'-0"

			1								2			
0	8'	16'	- 32'	0	4'	8'	16'	0	2'	4'	<u>–</u> 8'	0	1'	2'
1/16"=1'-0"				1/8"=1'-0"	_		10	1/4"=1'-0"				1/2"=1'-0"		
								1/4 10				1/2 10		

TEXTURE

SAND FINE

SMOOTH

SMOOTH

SAND FINE

1

NUMBER NAME EIFS-1 EIFS-2 EIFS-3 EIFS-4

DRYVIT 454A - STONE GRAY 30% DARKER SW 9165 - GOSSAMER VEIL SW 6143 - BASKET BEIGE SW 7675 - SEALSKIN

> METAL ERA COPING, _____ COLOR TO MATCH EIFS-4 EIFS-2 ------9 EIFS-1 BAND -EIFS-1 — 9

5

				3								4		
4'	0	1'	2'	1"-1'0" 0	6"	1'	2'	0	3"	6"	1'	0	3"	6"
	3/4"=1'-0"						·	1 1/2"=1'-0"				3"=1'-0"		

6

TEXTURE

SAND FINE

SMOOTH

SMOOTH

SAND FINE

NUMBER NAME EIFS-1 EIFS-2 EIFS-3 EIFS-4

DRYVIT 454A - STONE GRAY 30% DARKER SW 9165 - GOSSAMER VEIL SW 6143 - BASKET BEIGE SW 7675 - SEALSKIN

T.O. MEDIA PANEL ELEV. = 136' - 4" 24' - 9 7/8" ±

Ρ
5:59
3:55
18
/20
_

5

	EIFS LEGEND	
NUMBER	NAME	TEXTURE
EIFS-1 EIFS-2 EIFS-3 EIFS-4 EIFS-5	DRYVIT 454A - STONE GRAY 30% DARKER SW 9165 - GOSSAMER VEIL SW 6143 - BASKET BEIGE SW 7675 - SEALSKIN SW 6537 - LUXE BLUE	SAND FINE SMOOTH SMOOTH SAND FINE SMOOTH

12/21/2018

			1											2				
1/16"-1' 0" 0	8'	16'	:	32'	0	4	1'	8'	1	16'	0	2'	4'	8'		0	1'	2'
1/10 - 1-0					1/0"-1! 0"						1/4"-1! 0"				1/0"-1! 0"			

A1 $\frac{\text{NORTH ELEVATION}}{\frac{1}{8"} = 1'-0"}$

C1 NORTHEAST/SOUTHEAST ELEVATION

1

	EIFS LEGEND	
NUMBER	NAME	TEXTURE
EIFS-1 EIFS-2 EIFS-3 EIFS-4 EIFS-5	DRYVIT 454A - STONE GRAY 30% DARKER SW 9165 - GOSSAMER VEIL SW 6143 - BASKET BEIGE SW 7675 - SEALSKIN SW 6537 - LUXE BLUE	SAND FINE SMOOTH SMOOTH SAND FINE SMOOTH

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^{12/21/2018}

TOP OF FRAMING 43' - 5" RAINSCREEN SYSTEM TBD -EXISTING SIGNAGE TO BE CAREFULLY REMOVED AND STORED. RE-INSTALL SIGNAGE AFTER NEW EIFS EXTERIOR IS APPLIED EXISTING STRUCTURE TO REMAIN AND BE PAINTED, AS SPECIFIED ____ TOP OF FRAMING 16' - 0" RAINSCREEN SYSTEM TBD -- EXISTING (A3) (A-510) FINISH FLOOR A1 WALL SECTION SCALE: 1/2" = 1'-0" **1** 1/16"=1'-0" 0 8' 16' 32' 0 4' 1/8"=1'-0" 0 4' 1/4"=1'-0" 0 1' 2' 4' 1/2"=1'-0" 8'

A4 WALL SECTION SCALE: 1/2" = 1'-0"

3/4"=1'-0"

1/16"=1'-0" 0 8' 16'

0 4' 8' 1/8"=1'-0"

4 0 3" 6" 3"=1'-0" 3 1"=1'-0" 0 6" 1/4"=1'-0" 1/2"=1'-0" 0 3" 6" 1'

1 1/16"=1'-0" 0 8' 16' 32' 0 4' 8' 1/8"=1'-0" 1/8"=1'-0" **2** 0 2' 4' 8' 1/4"=1'-0"

0 1'

				3								4		
4'	0	1'	2'	1"-1'-0"	6"	1'	2'	0	3"	6"	1'	0	3"	
	3/4"=1'-0"							1 1/2"=1'-0"				3"=1'-0"		

				3								4			
4'	0	1'	2'	1"-1' 0" 0	6"	1'	2'	0	3"	6"	1'	0	3"	6"	
	3/4"=1'-0"			1 = 1 = 0				1 1/2"=1'-0"				3"=1'-0"			

TOP OF BANDING 116'-0"

*. I

STAGE PLATFORM 98' - 0"

THEATER LOWES 94' - 0"

6

12/21/2018

19/2018 5:59:30 PM

 7
 1/16"=1'-0"
 7

 1/16"=1'-0"
 0
 4'
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 16'
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 1'
 2'

 1/16"=1'-0"
 1/8"=1'-0"
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 1/2"=1'-0"
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 3"
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 1/2"=1'-0"
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 3/4"=1'-0"
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5

				3								4			
4'	0 3/4"=1'-0"	1'	2'	1"=1'-0"	6"	1'	2'	0 1 1/2"=1'-0"	3"	6"	1'	0 3"=1'-0"	3"	6"	

^{12/21/2018}

EXTERIOR SHEATHING WITH AIR/WATER BAR METAL FRAMING
SE
(A2) SCALE:

METAL ERA FASCIA — TREATED WOOD BLOCKING -BACKER ROD AND SEALANT -RRIER ----

				3								4		
4'	0 3/4"-1'-0"	1'	2'	1"=1'-0"	6"	1'	2'	0	3"	6"	1'	0	3"	6"
	0/4 =1 0							11/2 =1 0				0 = 1 0		

5

MATERIAL TBD —

METAL FRAMING

METAL FLASHING AND RECEIVER -

Modified Bitumin Roofing System —

CANT STRIP BASE FLASHING -COVER BOARD

EXTERIOR SHEATHING WITH AIR/WATER BARRIER —

6

 0
 3"
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 1'
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 3"
 6"

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 1/2"=1'-0"
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 <td

1/2"=1'-0"

0 2' 4' 8' 1/4"=1'-0"

1/8"=1'-0"

1

1/16"=1'-0" 0 8' 16' 32'

INSULATED GLAZING

EXISTING FRAMIN EXISTING CEILING, PATCH AS NECESSARY PLYWOOD SHEATHING -ALUMINUM STOREFRONT

B2. SCALE: 1 1/2" = 1'-0"

1" INSULATED GLAZING

- ALUMINUM DOOR

- ALUMINUM STOREFRONT SYSTEM

DOOR	DOOR II
OOR NO. AIR/SINGLE	IOOR NO. AIR/SINGLE
1-100D PAIR	-100D PAIR
1-100C PAIR	-100C PAIR
1-100B PAIR	-100B PAIR
1-100A PAIR	-100A PAIR

	Door Schedule															
ITIFIC	FICATION DOOR CONSTRUCTION FRAME CONSTRUCTION											DOOR / FRAME DETAILS				
SIZ	HEIGHT	EXISTING	ТҮРЕ	MATERIAL	FINISH	EXISTING	ТҮРЕ	MATERIAL	FINISH	FIRE RATING	HEAD	JAMB	SILL	GLAZING TYP	GLAZING TYPE HARDWARE SET	COMMENTS
- 0"	8' - 0"		S	ALLIM/GL	BRONZE		SE	ΔΕΓΙΜ			B2/4-560	A1/A-560· A2 1/A-560	A2/A-560	IG		
- 0"	8' - 0"		S	ALUM/GL	BRONZE		SF	ALUM	BRONZE		B2/A-560	A1/A-560	A2/A-560	IG		
- 0"	8' - 0"		S	ALUM/GL	BRONZE		SF	ALUM	BRONZE		B2/A-560	A1/A-560	A2/A-560	IG		
- 0"	8' - 0"		S	ALUM/GL	BRONZE		SF	ALUM	BRONZE		B2/A-560	A1/A-560; A2.1/A-560	A2/A-560	IG		

	DRAWING INDEX													
		1												
SHEET NUMBER	SHEET TITLE	CONSTRUCTION SET DATE: 12/21/2018	** **	** **	** *	** **								
E-000	SYMBOL LIST													
E-001	SPECIFICATIONS	•												
E-002	PARTIAL SINGLE LINE DIAGRAM	•												
E-003	PANEL SCHEDULES													
E-200	EXTERIOR POWER PLAN													
E-201	ENLARGED POWER PLAN	•												
ELT-200	EXTERIOR LIGHTING PLAN	•												
ELT-201	EXTERIOR ELEVATIONS - EAST - LIGHTING	•												
ELT-202	EXTERIOR ELEVATIONS - ROTUNDA - LIGHTING													
ELT-203	EXTERIOR ELEVATIONS - NORTH & SOUTH FACADE - LIGHTING	•												
ELT-204	EXTERIOR ELEVATIONS - EAST - LIGHTING													
	TOTAL	11												

	ELECTRICAL S	YMBOL I	IST
N	OTE: THIS IS A MASTER SCHEDULE. NOT ALL SYMBOLS AND/OR A	BBREVIATIONS CO	ONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.
	FLUORESCENT FIXTURE - RECESSED, LAY-IN		SWITCHGEAR
	FLUORESCENT FIXTURE - RECESSED, FLANGED		PANELBOARD - SURFACE MOUNTED
	FLUORESCENT FIXTURE - SURFACE	_	PANELBOARD - FLUSH MOUNTED
	FLUORESCENT FIXTURE - SUSPENDED		EXISTING / RELOCATED PANELBOARD - SURFACE MOUNTED
	FLUORESCENT FIXTURE - OPEN STRIP WITH WIRE GUARD	_	EXISTING / RELOCATED PANELBOARD - FLUSH MOUNTED
	FLUORESCENT FIXTURE - WALL MOUNTED		TRANSFORMER
	INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - SURFACE	B	ENCLOSED CIRCUIT BREAKER
Ũ	OR RECESSED, PER FIXTURE SCHEDULE		FIRE ALARM EQUIPMENT
Ю	INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - WALL BRACKET	FSD	COMBINATION FIRE/SMOKE DAMPER
Ø	INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - WALL	SD	SMOKE DAMPER
6		 ₹	SHUNT TRIP STATION
(a)		Ю	CONTROL STATION AT +48" TO TOP UON (PER ADA)
	EAN (PROVIDE 5X STRUCTURAL BACKING)		RELAY
	SPOTLIGHT - J-BOX OR TRACK MOUNTED - TRACK LENGTH	$\mathbf{\nabla}$	CONTACTOR WITH INTEGRAL HOA SELECTOR
0	AS INDICATED	\boxtimes	MAGNETIC STARTER, SIZE I UON
т х	STEP LIGHT - SURFACE OR RECESSED, PER FIXTURE SCHEDULE		DISCONNECT SWITCH: 30/3 UON
×	BOLLARD		COMBINATION STARTER & DISCONNECT: SIZE I UON
	POLE OR POST - ARM OR TOP MOUNTED CUT-OFF LUMINAIRE		VARIABLE FREQUENCY DRIVE
H	(LOCATE 12'' BELOW CEILING U.O.N.)		SINGLE-PHASE MOTOR CONTROL ASSEMBLY:
	TWIN-LAMP BATTERY PACK - UNSWITCHED, CEILING MOUNTED, FLUSH OR SURFACE PER FIXTURE SCHEDULE		HP-RATED SWITCH AND POWER RELAY-20/1 (U.O.N.)
$\overline{\otimes}$	EXIT LIGHT - FACES AND ARROWS AS INDICATED,	8	PULLBOX - SIZE AND LOCATION AS REQUIRED
	UNIVERSAL MOUNTING, UNSWITCHED		
	EXIT LIGHT - COMBINATION SINGLE FACE. ARROWS AS INDICATED WITH TWIN LAMP BATTERY PACK, UNIVERSAL MOUNTING, UNSWITCHED.		MECHANICAL EQUIPMENT DESIGNATION
	EXIT LIGHT - LOW LEVEL: 6" - 8" A.F.F. TO BOTTOM, 4" MAX. OFF DOOR FRAME	M	MOTOR OUTLET
LV	LOW VOLTAGE — LED LED	F1 120	LIGHTING FIXTURE DESIGNATION: TYPE F1, 120 WATTS OUANTITY = 3
	NEON		$F_{VA}(A)$ = CONNECTED LOAD EQUIPMENT LOAD
ETC.	FIXTURE, EQUIPMENT ON EMERGENCY	LOAD D: . LOAD S: .	$\begin{array}{c c} \hline KVA (\cdot A) \\ \hline KVA (\cdot A) \\ \hline S = STANDBY LOAD \\ \hline KVA (\cdot A) \\ \hline S = STANDBY LOAD \\ \hline KVA AND AMPS \\ \hline KVA AND AMPS \\ \hline \\ $
S ^X , S ³ ,	SWITCHES AT +48" TO TOP UON (PER ADA)		
S	SWITCH - SINGLE POLE S ² SWITCH - DOUBLE POLE		
S ³	SWITCH - THREE WAY S SWITCH - FOUR WAY		CIRCUITING IN WALL OR ABOVE CELLING
M C ^X	SWITCH - OCCUPANCY TYPE M SWITCH - OCCUPANCY TYPE, CEILING MOUNTED		CIRCUITING IN FLOOR OR BELOW GRADE
S ^P	SWITCH - EMERGENCY	<u>/// ?</u>	TICS = NO. OF $#12$ WIRES IF MORE THAN TWO:
CK CK	SWITCH - PILOT TOGGLE (CONFIRM LIGHTED POSITION)	A-1,3,5	
D		Am 3	HOMERUN: (4) #12, 3/4"C. TO PANEL A - CIR. 1,3,5
- MC	(WATTAGE RATING AS REQUIRED)		
S ^{™C}	SWITCH - MOMENTARY CONTACT: SPDT CENTER OFF UON	so	(SIZE PER PLANS)
5	MANUAL MOTOR STARTER - POLES AND HEATERS AS REQUIRED	30/3	30 AMP / 3 POLE (REPRESENTATIVE)
PE	PHOTOELECTRIC SWITCH - 1500 VA UON	AL	ALUMINUM
SIGN	SIGNAGE OUTLET CONNECTION	AFF	ABOVE FINISHED FLOOR
₫▼▽	DEVICES AT +18" TO CENTER LINE UON (PER ADA)	AFG	ABOVE FINISHED GRADE
<u>b</u> S etc.	DEVICES MOUNTED IN MULTIPLE UNDER COMMON COVER MAXIMUM HEIGHT ON WALLS = +48" TO TOP UON (PER ADA)	AIC	AMP INTERRUPTING CURRENT
ⅆ▼▽	DEVICES MOUNTED IN OR ABOVE BACKSPLASH:	ATS	AUTOMATIC TRANSFER SWITCH
*	MAXIMUM HEIGHT ON WALLS = +48" TO TOP UON (PER ADA)	BKBD	BACKBOARD
₩▼▽	DEVICES IN MULTI-COMPARTMENT FLUSH FLOOR MOUNTED UON	С	CONDUIT (WITH PULL CORD IF OTHERWISE EMPTY)
ŧ	RECEPTACLE - DUPLEX	CU	COPPER
¢-	RECEPTACLE - DUPLEX - HALF SWITCHED (TOP HALF)	(E)	EXISTING TO REMAIN
e	RECEPTACLE - DUPLEX - INTEGRAL GFCI CIRCUITRY	F	FUSE (DUAL-ELEMENT, TIME DELAY)
¢=	RECEPTACLE - DUPLEX - ISOLATED GROUND (ORANGE FACE): NEMA 520R/IG	FBO	
⊕=	RECEPTACLE - DOUBLE DUPLEX	FPEN	
	RECEPTACLE - DOUBLE DUPLEX - INTEGRAL GFCI CIRCUITRY	GND	
θ-	RECEPTACLE - SPECIAL TYPE (SEE ADDITIONAL NOTES)	НОА	HAND-OFF-AUTOMATIC
\$ 	RECEPTACLE(S) - CEILING MOUNTED	HP	HORSEPOWER
	PLUG MOLD SURFACE RACEWAY SYSTEM (2-CIRCUIT WITH OUTLETS 18" O.C. U.O.N.) MOUNTED ABOVE BACKSPLASH U.O.N.	IG	ISOLATED GROUND
ТР	TELEPOWER POLE	К	KCMIL (300 KCMIL = 300K)
<u> </u>	SMOKE DETECTOR - LOCAL ONLY, 120V, W/INTEGRAL BATTERY	NF	NON-FUSED
	AND ALARM HORN. WALL MOUNT AT 12" BELOW CEILING	NIC	NOT IN CONTRACT
₩	STROBE, AND ALARM HORN. WALL MOUNT AT 12" BELOW CEILING	NL	NIGHT LIGHT
Ч —		NTS	NOT TO SCALE
▼ 		(R)	EXISTING TO BE RELOCATED
() ()		RGS	RIGID GALVANIZED STEEL
<u>م</u>		TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
™		UNSW	UNSWITCHED
୍ ଜ	OUTLET - SPEAKER 8" COAXIAL W/ BACK BOX AND GRILLE	UPS	
е П	OUTLET - THERMOSTAT (REF. MECHANICAL DRAWINGS)	UON	
	TV / SECURITY CAMERA - FIXED (MOUNTING PER PLANS)	(X)	EXISTING TO BE REMOVED

XFMR TRANSFORMER

6

TV / SECURITY CAMERA - PTZ - PAN, TILT, ZOOM (MOUNTING PER PLANS)

ELECTRICAL SPECIFICATIONS

PART	ONE - GENERAL	BIDDING
1.01	THE WORK: ALL WORK SHALL BE NEW UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE THE WORK SHOWN ON THE DRAWINGS AND SPECIFIED FOR ITS INDIVIDUAL SECTIONS OF WORK. THE WORD "WORK" IS DEFINED AS ALL LABOR, TRANSPORTATION, MATERIAL, EQUIPMENT, TOOLS, INSTALLATION, SUPERVISION AND ANY OTHER INCIDENTAL ITEMS OR SERVICES NECESSARY	1.19 <u>SITE VISIT</u> : CONTRACT DOCUM TO SHOW ALL EXISTING CON FAMILIAR WITH EXISTING CON DOCUMENTS AGAINST EXISTI
1 02	PROVIDED BY THIS CONTRACTOR WHETHER OR NOT SPECIFICALLY INDICATED OR NOTED.	DISCOVERY, IMMEDIATELY NO NO EXTRAS OR CHANGE ORDE
1102	SUPPLIERS, AND SUB-CONTRACTORS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF ALL WORK AS MAY BE REQUIRED TO ACCOMMODATE OR SUPPORT THE ELECTRICA	VISIT. L 1.20 BASIS OF PROPOSAL: PROPOSA
	WORK. EXAMPLES: PAINTING, STRUCTURAL SUPPORTS, CUTTING AND PATCHING, EXCAVATION AND BACKFILL, CONCRETE PADS, ROOF JACKS, ETC. REQUIRING THIS CONTRACTOR'S ENGAGEMENT OF APPROPRIATE TRADES TO PERFORM SUCH WORK FOR THE PROPER INSTALLATION AND OPERATION C COMPLETE ELECTRICAL SYSTEMS.	D UNLESS "OR EQUAL" IS INDIC BUSINESS DAYS PRIOR TO BI PROPOSED ALTERNATE AND S SUBSTITUTION IS DEEMED AC
1.03	MINIMUM REQUIREMENTS: THESE SPECIFICATIONS ESTABLISH THE MINIMUM REQUIREMENTS FOR THE WORK AND MATERIALS, EQUIPMENT AND METHODS TO BE PROVIDED. THE DRAWINGS MAY INDICATE REQUIREMENTS WHICH EXCEED THESE MINIMUMS.	SOLELY WITH THE ENGINEER. 1.21 <u>VALUE ENGINEERING (V.E.) INI</u> A COST REDUCTION INITIATION
1.04	GENERAL CONDITIONS: ALL GENERAL CONDITIONS, SPECIAL REQUIREMENTS OR GENERAL REQUIREMENTS OF THE CONSTRUCTION SPECIFICATIONS ARE MADE PART OF THIS SPECIFICATION AND HAVE THE SAME FORCE AND EFFECT AS IF COMPLETELY REPRODUCED. DEFINITIONS:	MATERIALS, AND/OR METHOD SPECIFIED ITEM(S), THE PROF INCLUDING ALL CREDITS AND ENGINEER WILL REVIEW AND
	AHJ: AUTHORITY HAVING JURISDICTION.	ACCEPTED, AND IF SUCH ACC
	CONNECTIONS. (EXAMPLES: TRASH COMPACTOR, MOTORIZED DOOR, HVAC SPLIT SYSTEM, ETC.).	INVOICING SHALL BE SETTLEI 1.22 <u>BIDDING</u> : THE CIVIL, ARCHITE
	EQUAL:ACCEPTED BY THE ENGINEER AS EQUAL.FF&E:FURNISHINGS, FIXTURES AND EQUIPMENT - PROVIDED BY OTHERS AT JOBSITE. RECEIVE, PROTECT, STORE, ASSEMBLE, INSTALL AND CONNECT. PROVIDE MINIMUM 5 STRUCTURAL BACKING. (EXAMPLES: CHANDELIERS, PROJECTORS, ETC.).	CONTAIN DETAILED DESCRIPT PART OF THIS CONTRACTOR'S REVIEWING <u>ALL</u> PROJECT DRA
1.06	PROVIDE: FURNISH, INSTALL, ACTIVATE, AND COMMISSION. CODES: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE	PART TWO - PRODUCTS 2.01 MATCH EXISTING: EXISTING E
	NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.	STANDARD TO BE MET, IF NO MATERIALS AND EQUIPMENT S
1.07	<u>PERMITS</u> : PAY ALL FEES AND OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED FOR THE WORK. <u>DRAWINGS</u> : DRAWINGS ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE, AND INDICATE THE TYPE, SIZE, ARRANGEMENT AND LOCATIONS OF MATERIALS AND EQUIPMENT. WORK INCLUDES CERTAIN	BE MADE WITH MATCHING CO MANUFACTURER-CERTIFIED A EXCEED EQUIPMENT FAULT CU
	ALL NECESSARY ITEMS TO COMPLETE THE WORK ACCORDING TO INDUSTRY STANDARDS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO REQUIRE FINISHED WORK, TESTED AND READY FOR OPERATION. DO NOT SCALE DRAWINGS. ARRANGEMENT OF FOUIPMENT AND ROUTING OF	2.03 <u>EQUIPMENT STANDARDS</u> : ALL QUALITY AVAILABLE ("SPECIF STANDARDS AND SHALL BE LA
	FEEDERS AND BRANCH CIRCUITING SHALL BE PLUMB AND AT RIGHT ANGLES TO BUILDING CONSTRUCTION, AND MAY REQUIRE MODIFICATION DUE TO UNFORESEEN CONDITIONS REQUIRING ONSITE REVISIONS DURING CONSTRUCTION. (SEE ALSO "BIDDING").	AGENCY ACCEPTABLE TO THE 2.04 <u>ACCEPTABLE MANUFACTURERS</u> SPECIFIED BY NAME THEY ARE
1.09	COORDINATION: THIS PROJECT REQUIRES A HIGH LEVEL OF COORDINATION AND COOPERATION WIT OWNER, ARCHITECT, OTHER TRADES, VENDORS, AND SPECIALTY CONTRACTORS. CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS FTC FOR	H HEREIN. THESE MANUFACTUR MINIMUM STANDARD IN ALL I
	ALL GENERAL CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, SHOP DRAWINGS, ETC. FOR ALL GENERAL CONSTRUCTION, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND SPECIALTY CONTRACTOR WORK. PRIOR TO ROUGH-IN, COORDINATE THE WORK WITH ALL OTHER TRADES,	<u>SWITCHGEAR</u> : EATON, <u>LIGHT FIXTURES</u> : ACUITY WIRING DEVICES: HUBBEI
	WITHOUT INTERFERENCE WITH OTHER WORK. ESTABLISH AND VERIFY LOCATIONS, HEIGHTS, CONNECTION METHODS, ETC. WITH EQUIPMENT INSTALLER (AND OWNER, ARCHITECT, AND/OR INTERIOR DESIGNER FOR FE&F ITEMS), AND MAKE REASONABLE MODIFICATIONS IN THE LAYOUTS	2.05 <u>CIRCUITING</u> : ALL WIRING SHA STEEL INSULATED THROAT SE
1 10	NEEDED TO PREVENT CONFLICTS WITH OTHER TRADES IN ORDER TO PROVIDE ACCESS FOR THE PROPER EXECUTION OF THE WORK.	ELBOWS AND RISERS SHALL E OR IMC CONDUIT WITH THREA THE ELEMENTS OR SUBJECT T
1.10	 <u>IDENTICAL</u>: ALL WORK REQUIRED FOR IDENTICAL ITEMS AND ASSEMBLIES OF THE PROJECT SHALL B PROVIDED, ALTHOUGH EACH SPECIFIC IDENTICAL ITEM MAY NOT BE SHOWN IN DETAIL. <u>VERIFICATION</u>: CHECK AND VERIFY ALL SIZES, DIMENSIONS, AND CONDITIONS BEFORE STARTING 	HALF-LAP WRAPPED WITH 20 RECESSED AND SUSPENDED L
1 12	ANY WORK. ANY DEVIATION(S) OR PROBLEM(S) SHALL BE TRANSMITTED TO THE ENGINEER FOR REVIEW.	2.06 <u>MC CABLE</u> : MC CABLE MAY BE AHJ. HOMERUNS AND FEEDEF
1.12	INCLUDING CONTROLS, SAFETY DEVICES AND INTERCONNECTIONS. EXCEPTION: DO NOT INTERCONNECT THE CONTROL SYSTEMS OF THOSE MECHANICAL AND PLUMBING SYSTEMS WHICH ARE SPECIFICALLY NOTED TO BE THE RESPONSIBILITY OF THOSE TRADES. PROVIDE FUSIBLE	2.07 <u>WIRING</u> : ALL WIRE SHALL BE C LARGER. WHERE ALUMINUM I COMPOUND AT TERMINATION
	DISCONNECT SWITCHES AND MOTOR STARTERS FOR ALL EQUIPMENT EXCEPT THOSE ITEMS WHICH ARE SPECIFICALLY LISTED WITH INTEGRAL STARTERS/DISCONNECT SWITCHES. WHERE STARTERS AND/OR DISCONNECT SWITCHES ARE FURNISHED TOGETHER WITH EQUIPMENT, RECEIVE, INSTALL, AND CONNECT THOSE ITEMS.	ALUMINUM). ALUMINUM CON EQUIPMENT FEEDER), AND WH CU/AL FITTING. SINGLE PHAS EACH PHASE WIRE. NEUTRAL
1.13	SUBMITTAL: SUBMIT TO THE ENGINEER COMPLETE ELECTRONIC SETS OF SHOP DRAWINGS AND TECHNICAL DATA SHEETS FOR ALL EQUIPMENT AND MATERIALS SPECIFIED HEREIN. THE ENGINEER SHALL REVIEW SHOP DRAWINGS AND TECHNICAL DATA SHEETS FOR CONFORMANCE WITH THE	2.08 <u>FUSES AND CIRCUIT BREAKERS</u> RESPECTIVE APPLICATION (i.e
	CONTRACT DOCUMENTS AND ISSUE A WRITTEN ASSESSMENT TO THE OWNER PRIOR TO COMMENCEMENT OF WORK. THE ENGINEER'S FAILURE TO CORRECT ERRORS IN THE SUBMITTAL SHALL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATION TO PERFORM THE WORK AS SHOWN	ARC FAULT CIRCUIT INTERRU SHALL BE INTERCHANGEABLE PROVIDE LOCKABLE SPARE FU
	AND/OR SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ENGINEERING FEES NECESSARY TO CHANGE PROJECT DOCUMENTS BASED ON ALTERNATE SUBMITTAL PACKAGES/EQUIPMENT SUBSTITUTIONS.	2.09 <u>PANELBOARDS</u> : PANELS SHALL FLUSH MONO-FLAT TRIM, PIAI MASTER-KEYED FLUSH LATCH
1.14	OR-EQUAL SUBSTITUTIONS: ALL PROPOSED "OR EQUAL" SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR CONSIDERATION PRIOR TO BIDDING AND AFTER ALL REQUIREMENTS ASSOCIATED WITH SUBSTITUTED EQUIPMENT AND/OR MATERIALS HAVE BEEN COORDINATED WITH	TO ACCESSIBLE ATTIC SPACE 2.10 <u>SAFETY SWITCHES</u> : SWITCHES VOLTS. FUSIBLE SWITCHES S
	OTHER BUILDING TRADES, INCLUDING ALL MECHANICAL, STRUCTURAL, AND/OR ARCHITECTURAL ELEMENTS. THE OWNER'S REPRESENTATIVE SHALL PRE-APPROVE ANY PROPOSED SUBSTITUTION IN WRITING. IDENTIFY AND ANNOTATE ALL REVISED REQUIREMENTS PER BUILDING TRADE ON THE	EQUIPMENT BEING CONNECTE 2.11 MOTOR STARTERS: STARTERS
	SHOP DRAWINGS. ALSO IDENTIFY ALL COST DEBITS OR CREDITS IN WRITING FOR THE PROPOSED CHANGES PER BUILDING TRADE AND SUMMARIZE THESE AS A TOTAL NET-TO-OWNER CHARGE OR CREDIT FOR CONSIDERATION.	OVERLOAD DEVICES SHALL BI CONTROLLED.
1.15	AS-BUILT: UPON COMPLETION OF CONSTRUCTION, SUPPLY THE ENGINEER WITH AS-BUILT DOCUMENTS ACCURATELY SHOWING THE MATERIALS AND EQUIPMENT AS INSTALLED. PROVIDE	2.12 <u>CONTACTORS</u> : CONTACTORS S ON COVER.
	OPERATION AND MAINTENANCE MANUAL(S) CONTAINING APPROVED SHOP DRAWINGS, OPERATING	2.13 <u>RATINGS</u> : ALL ELECTRICAL EQU MAXIMUM AVAILABLE FAULT C
	AND MAINTENANCE INSTRUCTION FOR SWITCHGEAR, LIGHTING FIXTURES, CONTROLS, AND SPECIALTY EQUIPMENT.	POINT WITHIN THE DISTRIBU
1.17	AND MAINTENANCE INSTRUCTION FOR SWITCHGEAR, LIGHTING FIXTURES, CONTROLS, AND SPECIALTY EQUIPMENT. <u>GUARANTEE</u> : ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE (YEAR FROM DATE OF ACCEPTANCE BY OWNER (LONGER IF REQUIRED BY GENERAL AND/OR SPECIAL CONDITIONS). IN ADDITION, THE INSTALLATION SHALL BE GUARANTEED TO PERFORM AS SPECIFIE	POINT WITHIN THE DISTRIBU 2.14 <u>TRANSFORMERS</u> : TRANSFORM FOR 150°C RISE (UNLESS OTH ISOLATORS, CONNECTED WIT
1.17	 AND MAINTENANCE INSTRUCTION FOR SWITCHGEAR, LIGHTING FIXTURES, CONTROLS, AND SPECIALTY EQUIPMENT. <u>GUARANTEE</u>: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE (2) YEAR FROM DATE OF ACCEPTANCE BY OWNER (LONGER IF REQUIRED BY GENERAL AND/OR SPECIAL CONDITIONS). IN ADDITION, THE INSTALLATION SHALL BE GUARANTEED TO PERFORM AS SPECIFIE AND FULFILL EACH AND EVERY REQUIREMENT OF THE DRAWINGS AND SPECIFICATIONS WHEN OPERATED IN ACCORDANCE WITH THE CONTRACTOR'S INSTRUCTIONS. SHOULD THE INSTALLATION 	POINT WITHIN THE DISTRIBUT 2.14 <u>TRANSFORMERS</u> : TRANSFORM FOR 150°C RISE (UNLESS OTH ISOLATORS, CONNECTED WIT SHALL NOT EXCEED NEMA TP- 2.15 <u>LIGHTING FIXTURES</u> : LIGHT FI
1.17	 AND MAINTENANCE INSTRUCTION FOR SWITCHGEAR, LIGHTING FIXTURES, CONTROLS, AND SPECIALTY EQUIPMENT. <u>GUARANTEE</u>: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE (SPECIAL FROM DATE OF ACCEPTANCE BY OWNER (LONGER IF REQUIRED BY GENERAL AND/OR SPECIAL CONDITIONS). IN ADDITION, THE INSTALLATION SHALL BE GUARANTEED TO PERFORM AS SPECIFIED AND FULFILL EACH AND EVERY REQUIREMENT OF THE DRAWINGS AND SPECIFICATIONS WHEN OPERATED IN ACCORDANCE WITH THE CONTRACTOR'S INSTRUCTIONS. SHOULD THE INSTALLATION IN ANY WAY FAIL TO DO SO, THE CONTRACTOR WILL, WITHOUT DELAY AND WITHOUT COST TO THE OWNER, PROVIDE WHATEVER ADDITIONAL EQUIPMENT, MATERIAL, AND LABOR REQUIRED TO CORDECT THE DEELCIENCY AND COMPLY WITH THE DECUMPRENT OF THE DECUMPANTA AND LABOR REQUIRED TO 	POINT WITHIN THE DISTRIBUT 2.14 <u>TRANSFORMERS</u> : TRANSFORMIN FOR 150°C RISE (UNLESS OTH ISOLATORS, CONNECTED WIT SHALL NOT EXCEED NEMA TP- 2.15 <u>LIGHTING FIXTURES</u> : LIGHT FI (HANGER BARS, PENDANTS, S ACRYLIC, REFLECTORS SHALL POOCDAM BADD START THE
1.17	 AND MAINTENANCE INSTRUCTION FOR SWITCHGEAR, LIGHTING FIXTURES, CONTROLS, AND SPECIALTY EQUIPMENT. <u>GUARANTEE</u>: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE (: YEAR FROM DATE OF ACCEPTANCE BY OWNER (LONGER IF REQUIRED BY GENERAL AND/OR SPECIAL CONDITIONS). IN ADDITION, THE INSTALLATION SHALL BE GUARANTEED TO PERFORM AS SPECIFIED AND FULFILL EACH AND EVERY REQUIREMENT OF THE DRAWINGS AND SPECIFICATIONS WHEN OPERATED IN ACCORDANCE WITH THE CONTRACTOR'S INSTRUCTIONS. SHOULD THE INSTALLATION IN ANY WAY FAIL TO DO SO, THE CONTRACTOR WILL, WITHOUT DELAY AND WITHOUT COST TO THE OWNER, PROVIDE WHATEVER ADDITIONAL EQUIPMENT, MATERIAL, AND LABOR REQUIRED TO CORRECT THE DEFICIENCY AND COMPLY WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. WHERE SPECIFIED EQUIPMENT HAS A LONGER GUARANTEE PERIOD, THE TERMS C THAT GUARANTEE SHALL GOVERN (EXAMPLE: LED SYSTEM WITH 5 YEAP GUADANTEE) 	POINT WITHIN THE DISTRIBUT 2.14 <u>TRANSFORMERS</u> : TRANSFORM FOR 150°C RISE (UNLESS OTH ISOLATORS, CONNECTED WIT SHALL NOT EXCEED NEMA TP- 2.15 <u>LIGHTING FIXTURES</u> : LIGHT FI (HANGER BARS, PENDANTS, S ACRYLIC, REFLECTORS SHALL PROGRAM RAPID START, THD 80%. INCANDESCENT LAMPS VOLTAGE INCANDESCENT LAMPS

1ENTS INDICATE NEW WORK TO BE PERFORMED AND DO NOT PURPORT DITIONS. VISIT THE SITE PRIOR TO SUBMITTING A BID TO BECOME NDITIONS. COMPARE THE WORK SPECIFIED IN THE CONTRACT NG CONDITIONS, AND IDENTIFY AND ANNOTATE ALL WORK OR ERENT FROM THE CONTRACT DOCUMENTS OR THEIR INTENT. UPON OTIFY AND REPORT IN WRITING ANY DISCREPANCIES TO THE ENGINEER. ERS WILL BE ALLOWED FOR FAILURE TO PERFORM THE PRE-BID SITE

SAL SHALL BE BASED ON MANUFACTURERS AND MODELS AS LISTED CATED. PROVIDE SUBSTITUTION REQUESTS A MINIMUM OF FIVE (5) ID DATE CLOSING TO ALLOW TIME FOR DUE CONSIDERATION OF SUBSEQUENT NOTIFICATION TO ALL OTHER BIDDERS IN THE EVENT CCEPTABLE. DETERMINATION OF SUBSTITUTION EQUALITY RESTS

ITIATIVES: IN ADDITION TO THE "AS SPECIFIED/OR EQUAL" BASE BID, VE(S) MAY BE PROPOSED BASED ON SUBSTITUTIONS OF EQUIPMENT, DS. EACH SUCH PROPOSAL SHALL INCLUDE A DATA SHEET(S) ON THE POSED SUBSTITUTE(S), AND THE NET CREDIT TO THE OWNER, CHARGES FROM ALL MEMBERS OF THE CONSTRUCTION TEAM. THE RENDER AN OPINION TO THE OWNER. IF THE V.E. INITIATIVE IS CIFIED EOUIPMENT/MATERIAL/METHOD. IF THE V.E. INITIATIVE IS EPTANCE RESULTS IN A REQUIREMENT TO REVISE ANY DESIGN FOR THESE REVISIONS SHALL BE BILLED TO THE CONTRACTOR AND THE D BEFORE THE PROJECT IS SIGNED OFF FOR FINAL ACCEPTANCE.

ECTURAL, MECHANICAL, KITCHEN, AND/OR INTERIOR DRAWINGS TIONS, CIRCUITING, AND CONNECTION REQUIREMENTS WHICH ARE S RESPONSIBILITIES. DO NOT SUBMIT BIDS ON THIS PROJECT PRIOR TO WINGS, SPECIFICATIONS, AND ADDENDA.

QUIPMENT AND SYSTEMS SHALL BE CONSIDERED A MINIMUM TOTHERWISE EXCEEDED BY THESE PLANS AND SPECIFICATIONS. NEW SHALL MATCH EXISTING IN APPEARANCE AND FUNCTION. GES TO EXISTING PANELBOARDS AND DISTRIBUTION EQUIPMENT SHALL MPONENTS. NEW CIRCUIT PROTECTIVE DEVICES SHALL BE AS COMPATIBLE WITH EXISTING EQUIPMENT, AND SHALL EQUAL OR JRRENT (AIC) RATINGS.

MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST FICATION GRADE"). EQUIPMENT SHALL BE CONSTRUCTED TO NEMA ABELED FOR THEIR INTENDED PURPOSE BY A RECOGNIZED TESTING E AHJ (U.L., CSA, ETL, ETC.).

AND SUPPLIERS: WHERE EQUIPMENT AND MATERIALS ARE NOT DEEMED TO GENERIC, SUBJECT TO THE REQUIREMENTS LISTED RERS ARE CONSIDERED CAPABLE OF OFFERING EQUIVALENT PRODUCTS. NSTANCES IS COMMERCIAL GRADE:

, GENERAL ELECTRIC, SIEMENS, SQUARE D , COOPER, HUBBELL, THOMAS

LL, LEVITON, LEGRAND, WIREMOLD

ALL BE IN CONDUIT, CONCEALED EXCEPT WHERE NOTED. EMT WITH ET SCREW FITTINGS MAY BE USED IN DRY, PROTECTED INTERIOR 40 SHALL BE USED BELOW GRADE AT MINIMUM -24". WRAPPED RIGID BE USED FOR ALL THROUGH-GRADE TRANSITIONS AND STUB-UPS. RGS ADED FITTINGS SHALL BE USED IN ALL LOCATIONS WHERE EXPOSED TO TO PHYSICAL DAMAGE. IMC OR RIGID CONDUIT BELOW GRADE SHALL BE MIL PVC TAPE. TYPE ENT RACEWAY IS NOT ALLOWED. CONNECT IGHTING FIXTURES, MOTORIZED AND/OR VIBRATING EQUIPMENT WITH IDUIT. ALL CONDUIT SHALL HAVE PULL CORD IF OTHERWISE EMPTY. USED IN LOCAL 1- AND 2-CIRCUIT APPLICATIONS ACCEPTABLE TO THE

RS SHALL BE CONDUIT AND WIRE. COPPER UNLESS OTHERWISE NOTED, STRANDED IN SIZES #8 AWG AND IS INDICATED, WIRE SHALL BE COMPACTED-STRAND TYPE WITH JOINT IS. INSULATION SHALL BE TYPE THWN OR THHN (XHHW FOR DUCTORS SHALL NOT BE USED IN SIZES SMALLER THAN #1/0 (100A HEN USED SHALL BE TERMINATED IN INSULATED COMPRESSION-TYPE

SE BRANCH CIRCUITS SHALL INCLUDE A SEPARATE NEUTRAL WIRE WITH SHALL BE WHITE WITH COLOR STRIPE MATCHING COLOR OF PHASE : FUSES AND CIRCUIT BREAKERS SHALL BE SIZED PER ACTUAL

., MOTOR CIRCUIT PROTECTOR, GROUND FAULT CIRCUIT INTERRUPTER, PTER, ETC.). FUSES SHALL BE DUAL ELEMENT, CURRENT-LIMITING, AND BETWEEN FRAME SIZES WITH STANDARD FACTORY FUSE REDUCERS. JSE CABINET WITH (3) SPARE FUSES OF EACH SIZE USED. - HAVE ALUMINUM BUS AND HARDWARE, BOLT-ON CIRCUIT BREAKERS,

NO HINGED DOORS AND COVER (DOOR-IN-DOOR) WITH LOCKABLE HES. FLUSH-MOUNTED PANELS SHALL HAVE EMPTY CONDUITS STUBBED : (1) 3/4" CONDUIT FOR EACH THREE (3) SPARE/SPACE CIRCUITS. S SHALL BE GENERAL DUTY UP TO 250 VOLTS, HEAVY DUTY ABOVE 250 SHALL BE FUSED PER THE NAMEPLATE REQUIREMENTS OF THE

SHALL BE MINIMUM NEMA SIZE 1 WITH INTEGRAL CONTROL RUN" PILOT LIGHT AND "ON-OFF-AUTO" SELECTOR SWITCH ON COVER. E SIZED PER THE NAMEPLATE AMPERAGE OF THE EQUIPMENT BEING

SHALL BE ELECTRICALLY HELD WITH "ON-OFF-AUTO" SELECTOR SWITCH UIPMENT SHALL BE FULLY RATED FOR BRACING IN EXCESS OF THE

CURRENT CALCULATED AND SHOWN AT THE EQUIPMENT CONNECTION TION SYSTEM. MINIMUM RATING SHALL BE 10K AIC. IERS SHALL BE TYPE TP-1 MINIMUM, WITH ALUMINUM WINDINGS, RATED HERWISE NOTED), MOUNTED ON RUBBER-IN-SHEAR VIBRATION TH FLEXIBLE CONDUIT. PUBLISHED AND MEASURED NOISE RATING

-20 MAXIMUM. IXTURES SHALL BE PROVIDED WITH ALL ASSOCIATED HARDWARE STEMS, RESTRAINTS, CHAINS, CORDS, LAMPS, ETC.). LENSES SHALL BE . BE ANODIZED. FLUORESCENT BALLASTS SHALL BE ELECTRONIC, LESS THAN 10%. FLUORESCENT LAMPS SHALL HAVE MINIMUM CRI OF SHALL BE 130 VOLT, INSIDE FROST, MINIMUM 2000 HOUR LIFE. LOW MPS SHALL BE HIR HALOGEN, MINIMUM 3000 HOUR LIFE. EXTERIOR E INSTALLED TO PREVENT WATER, DUST AND INSECT INTRUSION, WITH PLATE AND SEALANT AT THE WIRING ENTRY POINT. REFER TO LIGHTING PLAN SET FOR ADDITIONAL REQUIREMENTS (LED CRITERIA, ETC.).

- 2.16 IDENTIFICATION: IDENTIFY ALL EQUIPMENT, SWITCHBOARD CIRCUITS, AND ELECTRICALLY-CONNECTED EQUIPMENT WITH ENGRAVED NAMEPLATES. NAMEPLATES SHALL BE FASTENED WITH A MINIMUM OF TWO (2) SCREWS. PANEL DIRECTORIES SHALL BE TYPED. IDENTIFY WIRING DEVICES WITH SELF ADHESIVE CLEAR SATIN FINISH LABELS WITH SOURCE AND CIRCUIT NUMBER.
- 2.17 TAMPERPROOF: ALL EQUIPMENT AND CIRCUITING ACCESSIBLE BY THE PUBLIC SHALL BE DEMONSTRATED TO BE TAMPERPROOF AND VANDAL RESISTANT. OPENABLE DEVICES AND EQUIPMENT SHALL BE PAD LOCKABLE.

PART THREE - EXECUTION

- 3.01 GROUNDING: GROUND ALL EQUIPMENT AND SYSTEM NEUTRAL IN ACCORDANCE WITH THE REQUIREMENTS OF NEC ARTICLE 250. PROVIDE CODE-SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS AND BRANCH CIRCUIT RACEWAYS. WHERE ISOLATED GROUNDS ARE INDICATED, PROVIDE INSULATED CONDUCTOR (GREEN WITH YELLOW STRIPE).
- 3.02 DEMOLITION: PROVIDE COMPLETE ELECTRICAL DEMOLITION REMOVE EXISTING OUTLETS AND EQUIPMENT IN CONFLICT WITH NEW CONDITIONS. EXISTING CONDUITS REMOVED FROM SERVICE MAY BE ABANDONED IN PLACE IF IN A CONCEALED LOCATION. REMOVE ALL WIRE FROM ABANDONED RACEWAYS. CONTRACTOR SHALL ENSURE CONTINUITY OF EXISTING CIRCUITING PASSING THROUGH DEMOLITION AREAS - EXTEND AND/OR RELOCATE AS NECESSARY. SHIFT OR RELOCATE EXISTING EQUIPMENT AND CIRCUITING AS REQUIRED TO ACCOMMODATE NEW WORK.
- 3.03 SALVAGE: ALL EXISTING EQUIPMENT REMOVED DURING THE COURSE OF THIS PROJECT SHALL BE OFFERED TO OWNER FOR SALVAGE. ANY EQUIPMENT SELECTED BY OWNER SHALL BE DELIVERED TO OWNER ON SITE. ALL REMAINING EQUIPMENT BECOMES THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- 3.04 EXISTING SWITCHGEAR: REUSE EXISTING SWITCHGEAR AND PANELBOARDS IN PLACE WHERE SO INDICATED - MODIFY AS REQUIRED TO ACCOMMODATE NEW REQUIREMENTS. PROVIDE NEW CIRCUIT BREAKERS AND/OR FUSES AS REQUIRED WITH AIC RATING TO MEET OR EXCEED THAT OF EXISTING DEVICES. REARRANGE EXISTING CIRCUITS WITHIN PANELS TO AGREE WITH NEW PANEL SCHEDULES. TRACE AND IDENTIFY ALL EXISTING CIRCUITS ON NEW TYPED AS-BUILT PANEL SCHEDULES. 3.05 EXISTING OUTLETS: EXISTING OUTLETS AND CIRCUITING NOT IN CONFLICT WITH NEW CONDITIONS
- SHALL REMAIN. EXTEND OUTLETS TO NEW SURFACES, CAULK AND PROVIDE JUMBO PLATES AS REQUIRED TO PRESENT A SERVICEABLE AND FINISHED APPEARANCE. 3.06 TEMPORARY CONSTRUCTION POWER: PROVIDE TEMPORARY ELECTRICAL POWER DISTRIBUTION AND
- LIGHTING AS REQUIRED FOR ALL TRADES THAT REQUIRE SERVICE DURING THE COURSE OF THIS PROJECT IN COMPLIANCE WITH ALL NEC AND OSHA REQUIREMENTS. (ENERGY COSTS BY OTHERS). 3.07 LOCATIONS: INDICATED LOCATIONS OF ALL OUTLETS AND EQUIPMENT ARE SUBJECT TO CHANGE. SHIFT/RELOCATE/RECONFIGURE ANY OUTLET, EQUIPMENT OR CONNECTION POINT UP TO 10' AS DIRECTED BY ENGINEER AT NO ADDED COST.
- 3.08 WORKMANSHIP: THE WORK SHALL BE INSTALLED PARALLEL AND AT RIGHT ANGLES TO THE BUILDING LINES, LEVEL AND PLUMB. THE WORK SHALL BE WELL SUPPORTED AND SOLIDLY MOUNTED. DRESS AND TIE WIRING IN PANELBOARDS AND SWITCHGEAR. THE WORK SHALL BE LEFT CLEAN WITH NO DIRT, DENTS, ABRASIONS, PAINT SPLATTERS, OR OTHER IRREGULARITIES.
- 3.09 FIRE STOPPING: ALL PENETRATED FIRE RATED SURFACES SHALL BE FIRE SEALED WITH APPROVED U.L LISTED SEALANTS AS LISTED WITHIN ARCHITECTURAL SPECIFICATIONS. DO NOT EXCEED MAXIMUM ALLOWABLE SURFACE PENETRATIONS DEPENDENT ON RATING OF SURFACES. REFER TO ARCHITECTURAL DRAWINGS FOR DETERMINATION OF PENETRATION LOCATIONS THROUGH FIRE RATED ASSEMBLIES.
- 3.10 SUPPORTS AND HANGERS: PROVIDE 3" HIGH HOUSEKEEPING CONCRETE PAD BENEATH FLOOR MOUNTED EQUIPMENT, EXTENDING 3" BEYOND EQUIPMENT FOOTPRINT. SUPPORT AND ALIGN ALL RACEWAYS, CABINETS, BOXES, BACK BOXES, FIXTURES, AND EQUIPMENT FROM STRUCTURE. SECURE ALL SUPPORTING METHODS BY MEANS OF TOGGLE BOLTS IN HOLLOW MASONRY, EXPANSION BOLTS IN SOLID MASONRY, CONCRETE PRESET INSERTS OR EXPANSION BOLTS IN CONCRETE, MACHINE SCREWS OR BOLTS IN METAL, AND WOOD SCREWS IN WOOD CONSTRUCTION. ALL SUPPORTING SYSTEMS AND COMPONENTS SHALL BE RATED FOR A MINIMUM OF FIVE (5) TIMES THE ACTUAL LOAD.
- L <u>SLEEVES AND PENETRATIONS</u>: PENETRATIONS OF ALL SURFACES SHALL BE PROVIDED WITH SLEEVES THAT SHALL BE SEALED WITH LIKE MATERIALS AND SHALL BE FINISHED WITH ESCUTCHEON PLATES. PENETRATIONS BELOW GRADE LEVEL SHALL BE WATERTIGHT. PENETRATIONS AT EXTERIOR WALLS SHALL BE WEATHERPROOF. ROOF PENETRATIONS SHALL BE FLASHED AND COUNTER FLASHED. 3.12 EXPANSION AND CONTRACTION: RACEWAYS PASSING THROUGH BUILDING EXPANSION JOINTS, ON
- ROOF, AND IN AREAS OF TEMPERATURE VARIATIONS GREATER THAN 30°F SHALL BE INSTALLED WITH EXPANSION FITTINGS. 3.13 IDENTIFICATION: IDENTIFY ALL EQUIPMENT, SWITCHBOARD CIRCUITS AND ELECTRICALLY-CONNECTED EQUIPMENT WITH ENGRAVED NAMEPLATES. BOXES SHALL BE MARKED WITH PANEL AND
- CIRCUIT NUMBERS (PERMANENT PEN ACCEPTABLE ABOVE CEILING). NAMEPLATES SHALL BE FASTENED WITH A MINIMUM OF TWO (2) SCREWS. PANEL DIRECTORIES SHALL BE TYPED. CONDUCTORS SHALL BE TAGGED WITH CIRCUIT NUMBERS AT SOURCE, JUNCTION BOXES, AND ALL OUTLET BOXES WITH PERMANENT ADHESIVE MARKER STRIP.
- 3.14 ELECTRIC ROOM CODE COMPLIANCE: DUE TO THE DIAGRAMMATIC NATURE OF THE DESIGN DOCUMENTS (ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, ETC.), COORDINATE WITH ALL OTHER SUBCONTRACTORS AT THE START OF THIS PROJECT TO INFORM AND VERIFY THAT NO FOREIGN SYSTEMS OR EQUIPMENT ARE MOUNTED ABOVE ELECTRICAL EQUIPMENT OR PASS THROUGH THE DESIGNATED ELECTRIC ROOMS, AND THAT A MINIMUM OF 7'-0" IS PROVIDED AS CLEAR HEADROOM ALONG ACCESS PATHS TO ELECTRIC ROOMS. ANY REROUTING OR RELOCATION OF SYSTEMS THAT A SUBCONTRACTOR FEELS WILL COMPROMISE THE DESIGN INTENT SHALL BE DESCRIBED IN WRITING AND FORWARDED TO THE DESIGN ENGINEER FOR FURTHER REVIEW. ALL PIPING TO HVAC UNITS THAT COOL ELECTRIC ROOMS SHALL BE LOCATED ABOVE ENTRY DOOR. THE
- SPRINKLER PIPING TO PROVIDE PROTECTION FOR THE ELECTRIC ROOM IS PREFERRED TO ENTER THE ROOM ABOVE THE ENTRY DOOR AND RUN DOWN THE AISLE SPACES OF THE ROOM. ALL INSTALLATIONS SHALL BE FULLY COORDINATED AMONGST ALL TRADES. 3.15 <u>ELECTRICALLY-OPERATED EQUIPMENT: VERIFICATION AND SUBSTITUTION</u>: FEEDERS AND
- OVER-CURRENT DEVICES (INCLUDING STARTERS, DISCONNECTS, ETC.) HAVE BEEN DESIGNED BASED ON INFORMATION PROVIDED BY THE RESPONSIBLE CONSULTANT AND/OR DESIGNATED SUPPLIER. PRIOR TO ROUGH-IN, COORDINATE WITH THE APPROPRIATE TRADE AND/OR INSTALLER TO DETERMINE THAT THE ACTUAL NAMEPLATE ELECTRICAL REQUIREMENTS MATCH THIS DESIGN. ALL ADDITIONAL ELECTRICAL COSTS RELATED TO THE CONNECTION OF EQUIPMENT WHICH VARIES FROM THE ORIGINAL SPECIFICATIONS SHALL BE RESOLVED WITHIN THE CONSTRUCTION TEAM AT NO ADDITIONAL COST TO THE OWNER.
- 3.16 HOURS OF OPERATION: CONDUCT WORK TO MINIMIZE DISRUPTION OF OWNER'S ONGOING BUSINESS OPERATIONS. PROVIDE BARRICADES, NOISE ABATEMENT, AND DUST CONTAINMENT MEASURES TO ENSURE THE SAFETY AND COMFORT OF PATRONS, STAFF, AND WORKERS. INTERRUPTIONS OF EXISTING POWER, COMMUNICATIONS, AND/OR FIRE ALARM SYSTEMS SHALL BE PERFORMED ONLY AT SUCH TIMES AS DIRECTED BY OWNER OR RESIDENT ENGINEER. OUTAGES SHALL BE MOMENTARY IN NATURE, EACH SUCH OUTAGE (OR OPERATION WHICH MAY POSE RISK OF AN ACCIDENTAL OUTAGE) SHALL BE SCHEDULED A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE.

PART FOUR - SPECIAL SYSTEMS

4.01 THIRD PARTY TESTING: PROVIDE ALL ASSOCIATED COSTS FOR THIRD PARTY TESTING OF ALL EQUIPMENT, CONDUCTORS, GROUND FAULT, GROUND FAULT COORDINATION STUDY WITH REPORT PREPARATION, ETC. AS REQUIRED BY THE NEC, AHJ AND ALL OTHER GOVERNING AUTHORITIES.

								4						
4'	0	1'	2'	0	6"	1'	2	0	3"	6"	1'	0	3"	6"
	3/4"=1'-0"			1"=1'-0"				1 1/2"=1'-0"				3"=1'-0"		

GENERAL NOTES:

MINIMUM EQUIPMENT A.I.C. RATINGS ARE 14K A.I.C. @ 480/277V AND 10K A.I.C. @ 208/120V UNLESS OTHERWISE NOTED.

6

- 2. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE ARE ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
- 3. THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2011 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1), FPN NO. 4.
- PANELBOARD LOAD SUMMARIES INCLUDE ADDITIONAL 25% OF ALL CONTINUOUS AND LARGEST MOTOR LOADS WHERE APPLICABLE.

SHEET NOTES:

- 1 PROVIDE NEW CIRCUIT BREAKER INDICATED WITH ALL REQUIRED MOUNTING HARDWARE. NEW CIRCUIT BREAKER AIC SHALL MATCH EXISTING.
- (2) 4"C 8#500K, 2#1 GND, THHN/THWN, CU.
- (3) 4"C 3#500K, 1#2 GND, THHN/THWN, CU.
- (3) 4"C 12#500K, 3#2/0 GND, THHN/THWN, CU.
- (5) 2"C 4#1/0, 1#6 GND, THHN/THWN, CU.
- (6) 4"C 3#350K, 1#4 GND, THHN/THWN, CU. (2) 3"C - 8#250K, 2#1/0 GND, THHN/THWN, CU.
- 8 EQUIPMENT IS LOCATED IN MAIN EQUIPMENT ROOM/YARD FOR CASINO 2. VERIFY EXACT LOCATION WITH OWNER'S FACILITIES DEPARTMENT REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
- 9 EQUIPMENT IS LOCATED IN MAIN EQUIPMENT ROOM FOR CASINO 1. VERIFY EXACT LOCATION WITH OWNER'S FACILITIES DEPARTMENT REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.

		FURNISH AND II MOUNTING HAR	NSTALL NEW CIRCUIT BREAKER INDICATED WITH ALL REQUIRED DWARE. NEW BREAKER AIC SHALL MATCH EXISTING.
	NEMA RATING: <u>3R</u>		
TYPE DESCRIPTION SE CORNER RB	LOAD BREAKER CKT CKT BREAKER LOAD DESCRIPTION TYPE 1130 20 1 - - 2 20 1130 SE CORNER RB TYPE		
SE CORNER RB	1130 2 3 4 4 2 1130 1130 20 5 6 20 1130 SE CORNER RB		
SE CORNER RB	1130 2 7 + 8 2 1130 1130 20 9 + 10 20 1130 SE CORNER RB		
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
SE CORNER RB	1130 20 13 14 20 1130 SE CORNER RB 1130 2 15 16 2 1130		
SE CORNER RB	1130 20 17 18 20 1130 SE CORNER RB		
SE CORNER RB	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
SPACE	1130 $2 23 + 24 2 1130$ 25 $25 - 26$ SPACE		
SPACE SPACE	27 - 28 SPACE		
SPACE	31 - 32 SPACE		
SPACE SPACE	33-++-34 SPACE 35-+++36 SPACE		
SPACE SPACE	37		
SPACE	41 42 SPACE		
VOLTS: 208 /120V, 3Ø, 4W. AMPS: 100A 225A 400A	TOTAL LOAD: 27 KVA (75A)		
MAIN: O MCB . O MLO			
LUGS: OBL. LUGS FEED-THRU MTD: SURFACE FLUSH	NEUTRAL BUS: (100% (200%		
	"HRCERB1 "GROUND BUS: STANDARD ISOLATED		
DOOR: DOOR IN DOOR STANDARD	AIC RATING: () 10K () 14K (● 22K ()		
			NEW DATIO 1
SW CORNER RB	1130 20 1 - 2 20 1130 SW CORNER RB	SPARE 20/1 1 -	2 20/1 EXISTING LOAD
SW CORNER RB	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EXISTING LOAD20/13EXISTING LOAD20/15	6 20/1 EXISTING LOAD
SW CORNER PB	1130 2 7 • 8 2 1130 1130 20 0 • 10 20 1130 SW COPNER PB	EXISTING LOAD 20/1 7 -	8 20/1 EXISTING LOAD
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	BUILDING EXTERIOR LIGHTING 700 20/1 BUILDING EXTERIOR LIGHTING 840 20/1 11-	12 20/1 SPARE
SW CORNER RB	1130 20 13 14 20 1130 SW CORNER RB 1130 2 15 16 2 1130	BUILDING EXTERIOR LIGHTING 1320 20/1 13-	P 14 20/1 SPARE
SW CORNER RB	1130 20 17 18 20 1130 SW CORNER RB	BUILDING EXTERIOR LIGHTING 800 20/1 17-	18 20/1 EXISTING LOAD
SW CORNER RB	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	BUILDING EXTERIOR LIGHTING 1200 20/1 21-	20 20/1 EXISTING LOAD
SPACE	1130 2 23 24 2 1130 25 26 SPACE	SPARE 20/1 23- 30 / 25-	24 20/1 SPARE
SPACE	27	EXISTING LOAD	EXISTING LOAD
SPACE SPACE	31		
SPACE SPACE	33 4 34 SPACE	33-	→ 34 → 36
SPACE	37	37-	
SPACE	41 42 SPACE	41-	42
VOLTS: 208 /120V, 3Ø, 4W.	TOTAL LOAD: 27 KVA (75 A)	VOLTS: (C) 208 /120V, 3Ø, 4W.	EXISTING LOAD: 12 KVA (33 A) NEW LOAD: 8 KVA (22 A)
MAIN: MCB . O MLO		MAIN: \bigcirc MCB . \bigcirc MLO	New Load: 8 kva (22 A) TOTAL LOAD: 20 KVA (56 A)
LUGS: DBL. LUGS FEED-THRU		LUGS: OBL. LUGS FEED-THRU	
BUSS: COPPER ALUMINUM	□ HRCERB2 □ GROUND BUS: ● STANDARD □ ISOLATED	BUSS: OCOPPER	_P1 GROUND BUS: STANDARD ISOLATED
DOOR: DOOR IN DOOR STANDARD	AIC RATING: () 10K () 14K () 22K ()	DOOR: DOOR IN DOOR STANDARD	AIC RATING: () 10K () 14K () 22K ()
CENTER RB	1130 20 1 - 2 20 1130 CENTER RB	EXISTING LOAD 20/1 1 -	2 20/1 EXISTING LOAD
CENTER RB	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EXISTING LOAD 20/1 3 - EXISTING LOAD 20/1 5 -	4 20/1 EXISTING LOAD 6 20/1 EXISTING LOAD
	1130 2 7 • 8 2 1130 1130 20 0 • 10 20 1130 CENTER PB	SPARE 20/1 7 -	8 20/1 EXISTING LOAD
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EXISTING LOAD 20/1 11- EXISTING LOAD 20/1 11-	12 20/1 EXISTING LOAD
CENTER RB	1130 20 13 14 20 1130 CENTER RB 1130 2 15 16 2 1130	SPARE 20/1 13-4 EXISTING LOAD 20/1 15-	14 20/1 EXISTING LOAD 16 20/1 EXISTING LOAD
CENTER RB	1130 20 17 18 20 1130 CENTER RB	EXISTING LOAD 20/1 17-	18 20/1 EXISTING LOAD
CENTER RB	1130 20 21 2 1130 1130 20 21 2 20 1130 CENTER RB	EXISTING LOAD 20/1 194 EXISTING LOAD 20/1 21-	22 20/1 EXISTING LOAD
SIGNAGE	1130 2 23 24 2 1130 1200 20/1 25 26 SPACE	BUILDING EXTERIOR LIGHTING63020/123-BUILDING EXTERIOR LIGHTING65020/125-	24 20/1 EXISTING LOAD
SIGNAGE	1200 20/1 27 28 SPACE	BUILDING EXTERIOR LIGHTING 650 20/1 27-	28 20/1 EXISTING LOAD
SPACE	1200 20/1 29 50 SPACE 31 32 SPACE	BUILDING EXTERIOR LIGHTING65020/129-BUILDING EXTERIOR LIGHTING65020/131-	30 20/1 EXISTING LOAD 32 20/1 SPARE
SPACE SPACE	33-+-34 SPACE 3536 SPACE	SPARE 20/1 33- SPARE 20/1 25-	→ 34 20/1 SPARE
SPACE	37	EXISTING LOAD 20/1 33	38 20/1 SPARE
SPACE SPACE	39+++40 SPACE 41+++42 SPACE	SPARE 20/39- 2/41-	40 20/1 SPARE 42 20/1 EXISTING LOAD
VOLTS: 208 /120V, 3Ø, 4W.	TOTAL LOAD: 31 KVA (85A)	VOLTS: 208 /120V, 3Ø, 4W.	EXISTING LOAD: 13 KVA (36 A)
MAIN: MCB MLO		AMPS: U 100A U 225A 400A U.	NEW LOAD: 3 KVA (9A) TOTAL LOAD: 16 KVA (45A)
BUSS: COPPER ALUMINUM	Image: Neutral bus. Image: Neutral bus.<	BUSS: COPPER ALUMINUM	_P2 GROUND BUS: STANDARD ISOLATED
DOOR: DOOR IN DOOR STANDARD	AIC RATING: ○ 10K ○ 14K ④ 22K ○	DOOR: DOOR IN DOOR STANDARD	AIC RATING: 💿 10K 🔿 14K 🔿 22K 🔿

SHEET NOTES: ATED WITH ALL REQUIRED ATCH EXISTING.

6

1TD: (_ BUSS: @ DOOR: @	SURFACE Image: Flush COPPER ALUMINUM DOOR IN DOOR STANDARD	II 			_P	2			NEUTRAL BUS: GROUND BUS: STANDARD AIC RATING: NEMA RAT) 200%) ISOLATED) 22K <u>.</u> TING: 1	
TYPE	DESCRIPTION		BREAKER	СКТ		СКТ	BREAKER		DESCRIPTION		
	EXISTING LOAD	20/10	20/1	1 -		- 2	20/1	20/10	EXISTING LOAD		
	EXISTING LOAD		20/1	3 -		$\frac{2}{4}$	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	5 -			20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	7 -	•+	$\frac{1}{8}$	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	, 9 –	╞	+10	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	11-		+12	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	13-	• †	+14	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	15-	i 🔶	+16	20/1		SPARE		
	EXISTING LOAD		20/1	17-		+18	20/1		SPARE		
	EXISTING LOAD		20/1	19-		-20	20/1		SPARE		
	EXISTING LOAD		20/1	21-		-22	20/1		SPARE		
	EXISTING LOAD		20/1	23-	\square	+24	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	25-		-26	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	27-	I ∳	-28	20/1		EXISTING LOAD		
	EXISTING LOAD		20/1	29-		+30	20/1	1000	BUILDING EXTERIOR LIGH	TING	
	EXISTING LOAD		20/1	31-	┝┼	+32	20/1	400	BUILDING EXTERIOR LIGH	TING	
	EXISTING LOAD		20/1	33-	┝╋	-34	20/1	1440	BUILDING EXTERIOR LIGH	TING	,
	EXISTING LOAD		20/1	35-	\square	+36	20/1	100	BUILDING EXTERIOR LIGH	TING -	\prec
	EXISTING LOAD		20/1	37-	┝┼	-38	20/1	800	BUILDING EXTERIOR LIGH	TING	- `
	BUILDING EXTERIOR LIGHTING	800	20/1	39-	ł	+40	20/1	1500	BUILDING EXTERIOR LIGH	TING	-
	BUILDING EXTERIOR LIGHTING	1400	20/1	41-		+ 42	20/1	1100	BUILDING EXTERIOR LIGH	TING	
OLTS: 🖲) 208 /120V, 3Ø, 4W.				11	I			EXISTING LOAD:	22 KVA (61 A)	
MPS: 🔘) 100A 🔿 225A 🔿 400A 🛛 🔶								NEW LOAD:	9 KVA (24 A)	
iain: C) MCB (🗩 MLO								TOTAL LOAD:	31 KVA (85 A)	
UGS: (ITD: (USS: (OOR: (DBL. LUGS FEED-THRU SURFACE FLUSH COPPER ALUMINUM DOOR IN DOOR STANDARD			EXI X	іст 1	ing		11	NEUTRAL BUS: 100% GROUND BUS: AIC RATING:) 200%) ISOLATED) 22K (18K	

 1
 2

 0
 8'
 16'
 32'
 0
 4'
 8'
 16'
 0
 2'
 4'
 8'
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 1'
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 1/16"=1'-0"
 1/8"=1'-0"
 1/8"=1'-0"
 1/4"=1'-0"
 1/4"=1'-0"
 1/2"=1'-0"
 1/2"=1'-0"

	A -200	EXT 1" = 30	ERIOF '-0"	R POV	<u>VER</u>	PLA	<u>AN</u>			0'	15'	30'		60'	NORTH		
4'		0	1'	2'	3	0	6"	1'	2		0	3"	6"	1'	4	3"	6"

	EC/IDF RM
	O ₃₄
	34 O ₃₄
1 A B C ELT-202/ELT-202/ELT-202/	

	A ELT-20	EXTERIOR LIGHTING PLAN	0' 15' 30' 60' NORTH
1 0 8' 16' 32' 0 4' 8' 16' 1/16"=1'-0" 1/8"=1'-0"	2 0 2' 4' 8' 0 1' 2' 4' 1/4"=1'-0" 1/2"=1'-0" 1/2"=1'-0"	3 0 1' 2' 0 6" 1' 2 3/4"=1'-0"	4 0 3" 6" 1' 0 3" 6" 1 1/2"=1'-0" 4 3"=1'-0" 4

0

0 6" 1'

GENERAL NOTES:

- REFER TO E DRAWINGS (M/E ENGINEERING) AND ARCHITECTURAL LIGHTING DRAWINGS FOR FIXTURE SPECIFICATIONS AND MOUNTING INSTRUCTIONS. SHEET NOTES:
- ALL EXISTING AREA LIGHTING IN LOWER FACADE/GROUND TO BE REMOVED. THIS SHALL INCLUDE, BUT NOT LIMITED TO LIGHT FIXTURES, OUTLET BOXES, POWER SUPPLIES, CONDUIT, CONDUCTORS, ETC. BACK TO NEAREST ACCESSIBLE POINT OR ORIGINATION OR SOURCE.

6

EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.

 1
 2

 0
 8'
 16'
 0
 2'
 4'
 8'
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 1'
 2'

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

HOTEL & CASINO	

Ĺ	В	EAS	Г FACA	DE LI	GHTIN	IG ELE	VATION								
7	ELT-201	1/8" = 1	'-0"					0' 2' 4'	1	8'	16'				
				3								4			
1'		0	1' :	2'	0	6" 1'	2	0	3"	6"	1'	0	3"	6"	
	3/4"=1'-(┓ 1	"=1'-0"			1 1/2"=1'-0"				3"=1'-0"			

	5		6
			GENERAL NOTES:
		1.	REFER TO E DRAWINGS (M/E ENGINEERING) AND ARCHITECTURAL LIGHTING DRAWINGS FOR FIXTURE SPECIFICATIONS AND MOUNTING INSTRUCTIONS.
		2.	EXISTING PANEL 'LP1' IS LOCATED ON LEVEL 2 WITHIN THE JOINT VENUE. VERIFY EXACT PANEL LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
		^	SHEET NOTES:
	Level 07 174' - 0"	$\langle 1 \rangle$	EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.
		2	THE CONTRACTOR IS TO REMOVE AND REINSTALL EXISTING SIGNAGE AT LOCATION INDICATED. CONNECT TO EXISTING SIGNAGE CIRCUITS WHICH SERVED SIGNAGE PRIOR TO DEMOLITION.
	Level 06 164' - 0"	$\langle 3 \rangle$	CONNECT TO EXISTING CIRCUIT SERVING AREA PRIOR TO DEMOLITION.
	Level 05 154' - 0"		
	evel 04		
	144' - 0"		
	ROOE		
	128' - 10"		
30	CANORY		
	<u>118' - 0"</u>		
	Level 01 100' - 0"		

				3								4			
	0	1'	2'	0	6"	1'	2	0	3"	6"	1'	0	3"	6"	
3/4"=1'-	-0"			1"=1'-0"				1 1/2"=1'-0"				3"=1'-0"			

GENERAL NOTES: REFER TO E DRAWINGS (M/E ENGINEERING) AND ARCHITECTURAL LIGHTING DRAWINGS FOR FIXTURE SPECIFICATIONS AND MOUNTING INSTRUCTIONS.

- 2. EXISTING PANEL 'LP2' IS LOCATED ON LEVEL 2 WITHIN THE JOINT VENUE. VERIFY EXACT PANEL LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN. SHEET NOTES:
- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.
- 2 EXISTING LIGHT FIXTURE TO BE REPLACED WITH NEW AT SAME LOCATION.
- $\langle 3 \rangle$ REFER TO DETAIL B/THIS SHEET FOR CIRCUIT REQUIREMENTS.
- 4 REFER TO DETAIL A/THIS SHEET FOR CIRCUIT REQUIREMENTS.

GENERAL NOTES:

- REFER TO E DRAWINGS (M/E ENGINEERING) AND ARCHITECTURAL LIGHTING DRAWINGS FOR FIXTURE SPECIFICATIONS AND MOUNTING INSTRUCTIONS.
- 2. EXISTING PANEL 'LP1' IS LOCATED ON LEVEL 2 WITHIN THE JOINT VENUE. VERIFY EXACT PANEL LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN. SHEET NOTES:
- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.

$\left(\right)$	A	CAS	INO E	AST	WAI	LLL	[GH	TING E		ΓΙΟΝ						
ELI	г-204	1/8" = 1	.'-0"							0'2'4	1	8'	16'			
4'		0	1'	2'	3	0	6"	1'	2	0	3"	6"	1'	4 0	3"	6"

GENERAL NOTES:

- REFER TO E DRAWINGS (M/E ENGINEERING) AND ARCHITECTURAL LIGHTING DRAWINGS FOR FIXTURE SPECIFICATIONS AND MOUNTING INSTRUCTIONS.
- 2. EXISTING PANEL 'X1L3' IS LOCATED IN EXISTING CASINO 3. VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.

6

EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.

PLUMBING SPECIFICATIONS

- PART ONE GENERAL 1. THE CONTRACTOR SHALL PROVIDE THE WORK SHOWN ON THE DRAWINGS AND SPECIFIED FOR PLUMBING EQUIPMENT THEIR INDIVIDUAL SECTIONS OF WORK. THE WORD "WORK" SHALL MEAN ALL LABOR, TRANSPORTATION, MATERIAL, EQUIPMENT, TOOLS, INSTALLATION, SUPERVISION AND ANY OTHER INCIDENTAL ITEMS OR SERVICES NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE COMPLETE SYSTEMS, WHICH SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR NOTED.
- 2. ALL GENERAL CONDITIONS, SPECIAL REOUIREMENTS OR GENERAL REOUIREMENTS OF THE CONSTRUCTION SPECIFICATIONS ARE MADE PART OF THIS SPECIFICATION AND HAVE THE SAME FORCE AND AFFECT AS IF COMPLETELY REPRODUCED.
- 3. THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL, MAKE ALL FINAL CONNECTIONS AND LEAVE IN AN APPROVED COMPLETE OPERATING CONDITION. 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE
- APPLICABLE INTERNATIONAL BUILDING CODE (IBC), UNIFORM MECHANICAL CODE (UMC), UNIFORM PLUMBING CODE (UPC), NATIONAL ELECTRIC CODES (NEC) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND OBTAINING ALL PERMITS
- AND INSPECTIONS REQUIRED FOR THE WORK. 6. THE CONTRACTOR SHALL CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COORDINATE THE WORK WITH ALL OTHER TRADES INCLUDING, BUT NOT LIMITED TO, THE CONTRACT DOCUMENTS, SHOP DRAWINGS, ETC. FOR ALL GENERAL CONSTRUCTION, STRUCTURAL, MECHANICAL, ELECTRICAL AND SPECIALTY CONTRACTOR WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIAL INTO THE BUILDING AS PLANNED, WITHOUT INTERFERENCE WITH OTHER WORK, AND SHALL MAKE REASONABLE MODIFICATIONS IN THE LAYOUTS NEEDED TO PREVENT CONFLICT WITH OTHER TRADES, TO PROVIDE ACCESS AND FOR THE PROPER EXECUTION OF THE WORK.
- 7. DRAWINGS ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE, AND INDICATE THE TYPE, SIZE, ARRANGEMENT AND LOCATION OF MATERIALS AND EQUIPMENT. WORK INCLUDES CERTAIN COMPONENTS, APPURTENANCES AND RELATED SPECIALTIES THAT MAY NOT BE SHOWN. CONTRACTOR SHALL PROVIDE ALL NECESSARY ITEMS TO COMPLETE THE WORK ACCORDING TO INDUSTRY STANDARDS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL OUT FOR FINISHED WORK, TESTED AND READY FOR OPERATION. DO NOT SCALE DRAWINGS. ARRANGEMENT OF EQUIPMENT AND ROUTING OF PIPES AND DUCTWORK, ETC. INDICATED ON DRAWINGS SHALL BE ROUTED PLUMB AND AT RIGHT ANGLES TO BUILDING CONSTRUCTION AND MAY REQUIRE MODIFICATION DUE TO UNFORESEEN CONDITIONS AND REQUIRE ON SITE PART THREE - EXECUTION REVISIONS DURING CONSTRUCTION. (SEE ALSO "BIDDING").
- 8. ALL WORK REQUIRED FOR IDENTICAL ITEMS SHOWN ON THE DRAWINGS SHALL BE PROVIDED, ALTHOUGH EACH SPECIFIC IDENTICAL ITEM MAY NOT BE SHOWN IN DETAIL. 9. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND TECHNICAL DATA SHEETS FOR ALL EQUIPMENT AND MATERIALS SPECIFIED HEREIN TO THE ENGINEER. THE ENGINEER SHALL REVIEW SHOP DRAWINGS AND TECHNICAL DATA SHEETS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND ISSUE A WRITTEN ASSESSMENT TO THE OWNER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL
- ENGINEERING FEES NECESSARY TO CHANGE PERMIT DOCUMENTS BASED ON ALTERNATE SUBMITTAL PACKAGES/EQUIPMENT SUBSTITUTIONS. 10. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR CONSIDERATION PRIOR TO BIDDING. THE OWNER'S REPRESENTATIVE SHALL PREAPPROVE ANY PROPOSED SUBSTITUTION IN WRITING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS ASSOCIATED WITH SUBSTITUTED EQUIPMENT OR MATERIALS WITH OTHER BUILDING TRADES, INCLUDING ALL ELECTRICAL, STRUCTURAL, OR ARCHITECTURAL ELEMENTS. THE CONTRACTOR SHALL IDENTIFY AND ANNOTATE ALL REVISED REQUIREMENTS PER BUILDING TRADE ON THE SHOP DRAWINGS. THE CONTRACTOR SHALL ALSO IDENTIFY ALL COST DEBITS OR CREDITS IN WRITING FOR THE PROPOSED CHANGES PER BUILDING TRADE.
- 11.UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH FIVE (5) COMPLETE SETS OF AS-BUILT DOCUMENTS ACCURATELY SHOWING THE MATERIALS AND EQUIPMENT AS INSTALLED. 12. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. REFRIGERATION COMPRESSORS SHALL BE
- GUARANTEED FOR A MINIMUM OF FIVE (5) YEARS FROM DATE OF OWNER'S ACCEPTANCE. IN ADDITION, THE CONTRACTOR SHALL GUARANTEE THAT THE INSTALLATION WHEN OPERATED IN ACCORDANCE WITH THE CONTRACTOR'S INSTRUCTIONS WILL DEVELOP CAPACITY AND CHARACTERISTICS AS SPECIFIED AND WILL FULFILL EACH AND EVERY REQUIREMENT OF THE DRAWINGS AND SPECIFICATIONS. SHOULD THE INSTALLATION IN ANY WAY FAIL TO DO SO, THE CONTRACTOR WILL, WITHOUT DELAY OR WITHOUT COST TO THE OWNER, PROVIDE WHATEVER ADDITIONAL EQUIPMENT, MATERIAL, AND LABOR REQUIRED TO CORRECT THE DEFICIENCY AND COMPLY WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. 13. CONTRACTOR SHALL CHECK AND VERIFY ALL SIZES, DIMENSIONS, AND CONDITIONS BEFORE
- STARTING ANY WORK. ANY DEVIATIONS OR PROBLEMS SHALL BE TRANSMITTED TO THE ENGINEER FOR REVIEW. 14. PROVIDE BASE AND COUNTER FLASHING FOR ITEMS PENETRATING THE ROOF OR EXTERIOR WALLS.
- 15. STARTERS AND CONTROLS FOR MOTORS, ETC. TO BE FURNISHED BY MECHANICAL CONTRACTOR ELECTRICAL CONTRACTOR TO INSTALL THE AFOREMENTIONED ITEMS, AND FURNISH ALL POWER WIRING. ALL CONTROL AND INTERLOCKING WIRING SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- 16. ALL WORK SHOWN IS NEW UNLESS NOTED OTHERWISE. 17. MAINTAIN OCCUPANCY AND FIRE WALL SEPARATION INTEGRITY AS REQUIRED. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF ALL OCCUPANCY/FIREWALL SEPARATIONS AND SPECIFIC DETAILS FOR CONSTRUCTION. PROVIDE ALL NECESSARY FIRE AND SMOKE FIRE DAMPERS, ACCESS DOORS, CAULKING, ETC. FOR APPROVED INSTALLATION.
- 1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL COMPARE THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL IDENTIFY AND NOTATE ALL WORK OR CONDITIONS THAT ARE DIFFERENT FROM THE CONTRACT DOCUMENTS OR THEIR INTENT. THE CONTRACTOR SHALL, UPON DISCOVERY, IMMEDIATELY NOTIFY AND REPORT, IN WRITING, ANY DISCREPANCIES TO THE ENGINEER. NO EXTRAS OR CHANGE ORDERS
- WILL BE ALLOWED FOR FAILURE TO PERFORM THE PRE-BID SITE VISIT. 2. BASE PROPOSAL ON MANUFACTURER NAMES LISTED UNLESS "OR EQUAL" IS INDICATED. PROVIDE SUBSTITUTION REQUESTS A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO BID DATE CLOSING TO ALLOW TIME FOR DUE CONSIDERATION OF PROPOSED ALTERNATE. DETERMINATION OF SUBSTITUTION OF EQUALITY RESTS SOLELY WITH THE ENGINEER.

PART TWO - PRODUCTS

- 1. PROVIDE PLUMBING EQUIPMENT AS SPECIFIED AND/OR SCHEDULED HEREIN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIO SHALL OPERATE ACCORDING TO THE MANUFACTURER'S "OWNER'S OPERATING MAINTENANCE MANUAL" TROUBLE FREE AND CONFORMING TO THE ONE-YEAR
- PLUMBING PRODUCTS
- 1. PIPE INSULATION: ALL ROOF DRAIN PIPING ABOVE GROUND SHALL BE INSULA THICK FIBERGLASS PIPE INSULATION WITH ALL-SERVICE JACKET AND MAXIMU 0.27 AT 75^F. WHERE CLEARANCE LIMITATIONS PREVENT THE USE OF FIBERG
- INSULATION, A MINIMUM 3/4" THICK CLOSED CELL NEOPRENE PIPE INSULATIO 2. PIPE HANGERS: PIPE SIZES 1/2" TO 1 1/2": MALLEABLE IRON, CARBON STEEL SWIVEL, SPLIT RING. PIPE SIZES 2" TO 4": CARBON STEEL, ADJUSTABLE, CLE
- 6" AND OVER: ADJUSTABLE STEEL YOKE, CAST IRON ROLL, DOUBLE HANGER. 3. RAIN WATER DRAIN PIPING SHALL BE CAST IRON, UNLESS OTHERWISE APPROV

- 1. DIELECTRIC FITTINGS SHALL BE USED WHEREVER DISSIMILAR METALS ARE JC 2. ALL UNDERGROUND WATER PIPING SHALL BE WRAPPED WITH TAPE, ENCASED COATED WITH A PROTECTIVE COATING, OR ROUTED THROUGH CONDUIT FOR F CATHODIC PROTECTION. NO PIN HOLE LEAKS IN PROTECTIVE COATING OR TA ALLOWED.
- 3. PROVIDE ACCESS PANELS IN CEILING TO ACCESS VALVES WHERE REQUIRED. 4. PLUMBING FIXTURES: PROVIDE CHROME PLATED ANGLE STOPS WITH ESCUTC PLUMBING FIXTURES. ALL PLUMBING FIXTURES SHALL COMPLY WITH LOCAL AND ADOPTED WATER CONSERVATION CODES.
- 5. DISINFECT ALL POTABLE WATER SYSTEMS IN ACCORDANCE WITH PLUMBING AWWA STANDARD. PROVIDE WRITTEN CONFIRMATION TO OWNERS REPRESEN THIS WORK HAS BEEN COMPLETED.

- 1. THE CONTRACTOR SHALL PROVIDE ALL SLEEVES, OPENINGS, CUTTING AND PAT NECESSARY FOR THE INSTALLATION OF THE WORK. CUTTING AND PATCHING BY WORKMEN SKILLED IN THE TRADES REQUIRED AND PAID BY THE CONTRACT THE WORK COMPLETED.
- 2. THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HANDLING OF MATERIALS AN AND THE NECESSARY PROTECTION FOR MATERIALS AND EQUIPMENT. 3. THE CONTRACTOR WILL PROTECT THE WORK AND MATERIAL AGAINST DIRT,
- DAMAGE UNTIL ACCEPTED BY OWNER. ALL WORK SHALL BE TURNED OVER TO AND IN NEW CONDITION. 4. EACH CONTRACTOR SHALL PROVIDE ALL FOUNDATIONS, HANGERS, AND SUPPO EQUIPMENT SUPPLIED AND/OR INSTALLED UNDER THEIR WORK. ANY EQUIPME MOVING PARTS SHALL BE PROVIDED WITH VIBRATION ISOLATION AND FLEXIE
- TO PIPING IF APPLICABLE. 5. WHERE PIPES OR CONDUITS PASS THROUGH WALLS, FLOORS, OR CEILINGS IN AREAS, THEY SHALL BE FURNISHED WITH ESCUTCHEON PLATES (COLOR PER
- AND/OR INTERIOR DESIGNER). 6. AT THE CONCLUSION OF THE JOB, EACH PIECE OF EQUIPMENT, VALVE, SWITCH PANEL, PIPE LINE, CONDUIT, ETC., SHALL BE CLEARLY IDENTIFIED WHETHER CONCEALED, COVERED OR UNCOVERED, IN ACCORDANCE WITH OSHA AND AN IDENTIFY PIPES NEAR EACH VALVE WITH "BRANDY-PERMA' CODE PIPE TAPE" (WESTLINE "TEL-A-PIPE" INDICATING DIRECTION OF FLOW, SERVICE, ZONE, AN SHALL BE APPLIED TO PIPE, CONDUIT, OR COVERING. VALVES AND CONTROLS IDENTIFIED BY 2-INCH LACQUERED BRASS TAGS WITH STAMPED LETTERS FAS HOOKS OR CHAINS. EQUIPMENT IS TO BE IDENTIFIED AS TO FUNCTION AND F MEANS OF PERMANENTLY ATTACHED LAMINATED ENGRAVED PHENOLIC NAMEP BEVELED EDGES, AND WHITE LETTERS ON BLACK BACKGROUND. (NO ADHESI
- ALLOWED). 7. AT THE CONCLUSION OF THE WORK, ALL EQUIPMENT AND SYSTEMS SHALL B ADJUSTED, AND TESTED TO PROVIDE A QUIET-OPERATING, STABLE, AND SAFE SYSTEM(S). DEMONSTRATE OPERATION OF ALL SYSTEMS TO THE OWNER'S DI REPRESENTATIVE. THE TEST AND BALANCE WORK SHALL BE PERFORMED IN / WITH NEBB OR AABC STANDARDS, BY INDEPENDENT, APPROVED, AND CERTIFI BALANCE PERSONNEL.
- 8. THE MECHANICAL/PLUMBING CONTRACTOR IS RESPONSIBLE FOR RETAINING AND DESIGN SERVICES OF A STRUCTURAL ENGINEER TO CREATE THE DESIGN AND INS DRAWINGS FOR MECHANICAL/PLUMBING SYSTEMS SEISMIC RESTRAINT SUPPORT PROJECT BUILDING CODE, PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MECHANICAL SYSTEMS SHOP DRAWINGS BASED UPON MULTI DISCIPLINE COORD INCLUDED WITH THE SHOP DRAWING SUBMISSION SHALL BE SEISMIC RESTRAIN NOTING WHERE SEISMIC SUPPORT IS REQUIRED. FOR EACH AREA NOTED NEEDI SUPPORT FOR THE MECHANICAL SYSTEMS, THERE SHALL BE A SEISMIC DRAWING REQUIRED SUPPORT. THE SEISMIC SUPPORT DRAWINGS SHALL BE SIGNED AND REGISTERED STRUCTURAL ENGINEER IN THE SAME STATE AS THE PROJECT. IN A PROJECT DESIGN TEAM REVIEW, THE SEISMIC SUPPORT DRAWINGS WILL BE ISSU LOCAL BUILDING DEPARTMENT FOR REVIEW AS PART OF A DEFERRED SUBMITTAL BUILDING DOCUMENTS. COMMENCEMENT OF CONSTRUCTION PRIOR TO BUILDIN REVIEW IS AT THE CONTRACTOR'S RISK.
- 9. PIPE HANGERS: PIPE SIZES 1/2" TO 1 1/2" 6'-0" MAX SPACING, 3/8" ROD DIAMETER; PIPE SIZES 2" TO 3" - 10'-0" MAX SPACING, 1/2" ROD DIAMETER; PIPE SIZES 4 TO 6"-10'-0" MAX SPACING, 5/8" ROD DIAMETER. 10. WATER PROOFING AND FLASHING OF PIPE PENETRATIONS THROUGH EXTERIOR WALL AND
- ROOF SHALL BE BY THIS CONTRACTOR. PLUMBING CONTRACTOR SHALL COORDINATE LOCATIONS AND METHODS WITH GENERAL CONTRACTOR PRIOR TO CONSTRUCTION OF ROOF DECK
- 11.PROVIDE CLEAN OUTS IN ROOF DRAIN LINES AS SHOWN AND AS REQUIRED BY LOCAL CODE. ALL CLEANOUTS SHALL BE READILY ACCESSIBLE.

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	PLUMBING	SYMBOL LIST		PLUMBING ABBREVIATIONS							
	NOTE: THIS IS A MASTER SCHEDULE. NOT ALL SYM	BOLS CONTAINED HEREIN MAY AF	PPEAR ON THE DRAWINGS.		NOTE: THIS IS A MASTER	SCHEDULE. N	OT ALL ABBREVIATIONS CONTAINED HEREIN	MAY APPEAI	R ON THE DRAWINGS.		
	ITEM TO BE REMOVED		ROOF DRAIN PIPING	AFF	ABOVE FINISHED FLOOR	HD	HEAD	(R)	EXISTING TO BE RELOCATED		
● ♦	POINT OF CONNECTION/DISCONNECTION	AV	ACID VENT PIPING	AP	ACCESS PANEL	HP	HORSEPOWER	RD	ROOF DRAIN		
×	SHEET NOTE	AW	ABOVE GROUND ACID WASTE PIPING	ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR	HPG	HIGH PRESSURE GAS	RPM	REVOLUTIONS PER MINUTE		
		AW			CONDITIONING ENGINEERS	HW	HOT WATER	SPECS	SAND OIL INTERCEPTOR SPECIFICATIONS		
<u>/#\</u>	REVISION NUMBER	AW		ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	IBC	INTERNATIONAL BUILDING CODE	SQ	SQUARE		
	EQUIPMENT MARK		VENT PIPING	AV	ACID VENT	IE	INVERT ELEVATION	SQFT	SQUARE FEET		
			ABOVE GROUND WASTE PIPING	AW	ACID WASTE	IMC IPC	INTERNATIONAL MECHANICAL CODE	T TW	TEMPERATURE		
	ACCESS PANEL		UNDERGROUND WASTE PIPING	BFD	BACKFLOW PREVENTION DEVICE BRAKE HORSE POWER	KW	KILOWATT	TYP	TYPICAL		
-11	CLEAN OUT	GW	ABOVE GROUND GREASE WASTE PIPING	BTUH	BRITISH THERMAL UNIT PER HOUR	LBS	POUNDS	UBC	UNIFORM BUILDING CODE		
પ બ	WALL CLEAN OUT	- - -GW - -	UNDERGROUND GREASE WASTE PIPING	CD	CONDENSATE DRAIN	LWT	LEAVING WATER TEMPERATURE	UMC	UNIFORM MECHANICAL COD		
ϕ	FLOOR CLEAN OUT	GW	ABOVE GROUND GREASE WASTE PIPING W/HEAT TRACE	CFM	CUBIC FEET PER MINUTE	MAX	MAXIMUM	UON	UNLESS OTHERWISE NOTED		
	GRADE CLEAN OUT	= = = G W= = =	UNDERGROUND GREASE WASTE PIPING W/HEAT TRACE	CHAR	CLEANOUT	MCA	MINIMUM CIRCUIT AMPS	V	VENT		
		Ħ		CW	COLD WATER	MIN	MINIMUM	V/PH/HZ	VOLTAGE/PHASE/HERTZ		
				D	DRAIN	MOCP	MAXIMUM OVER CURRENT PROTECTION	VFD	VARIABLE FREQUENCY DRIV		
	FLOOR SINK		2-WAY ELECTRONIC CONTROL VALVE	DIA	DIAMETER	MPG N/A	MEDIUM PRESSURE GAS	VTR WCO	VENT THROUGH ROOF		
	FLOOR SINK W/ GRATE		3-WAY ELECTRONIC CONTROL VALVE	(E)	EXISTING TO REMAIN	NC	NORMALLY CLOSED	WG	WATER GAUGE		
\odot	ROOF DRAIN	☆	2-WAY PNEUMATIC CONTROL VALVE	EFF	EFFICIENCY	NEC	NATIONAL ELECTRIC CODE	(X)	EXISTING TO BE REMOVED		
\odot	OVERFLOW ROOF DRAIN		3-WAY PNEUMATIC CONTROL VALVE	ELEC	ELECTRICAL	NFPA	NATIONAL FIRE PROTECTION				
O	VENT THRU ROOF	×	SOLENOID VALVE	EWT	ENTERING WATER TEMPERATURE	NIC	NOT IN CONTRACT				
FS	FLOW SWITCH	/x/	BUTTERFLY VALVE	FCO	FARRENHEIT FLOOR CLEANOUT	NO	NORMALLY OPEN				
		——	PILIC VALVE	FPM	FEET PER MINUTE	NTS	NOT TO SCALE				
	GAS REGULATOR	, F		G	GAS	OFCI	INSTALLED				
G	GAS METER		GAS COCK	GA	GAGE OR GAUGE	PD	PRESSURE DROP				
М	WATER METER	O	BALL VALVE	GCO	GRADE CLEANOUT	PRV	PRESSURE REDUCING VALVE				
•	WATER HAMMER ARRESTOR	N	CHECK VALVE	GI	GREASE INTERCEPTOR	PSIA	POUNDS PER SQUARE INCH ABSOLUTE				
ର	SHUT-OFF VALVE IN IRRIGATION BOX	——×	GATE VALVE	GPF	GALLONS PER FLUSH	PSID	POUNDS PER SQUARE INCH				
	BACKFLOW PREVENTION STATION		HOSE END DRAIN VALVE	GPM GW	GALLONS PER MINUTE CREASE WASTE	PSIC	DIFFERENTIAL POUNDS PER SOUARE INCH GAUGE				
c 	HOSE BIBB	&	PRESSURE REDUCING VALVE			1010					
——A	COMPRESSED AIR LINES	Ā	RELIEF VALVE						7		
CD	CONDENSATE DRAIN PIPING	r \$ft	TEMPERATURE PRESSURE RELIEF VALVE		PLUMBING FI	XTURE	SPECIFICATIONS				
PC	PUMPED CONDENSATE DRAIN PIPING		THERMOMETER								
D		Q	PRESSURE GAUGE WITH GAUGE COCK	MARK		DESC	CRIPTION				
D		수	MANIJAL AIR VENT						_		
	COLD WATER PIPING	Ŷ	DECCIDE TEMPEDATURE DORT	$\frac{\text{RD-1}}{1}$	ROOF DRAIN - JAY R. SMITH #1010Y, CA	AST IRON BOD	Y, UNDERDECK CLAMP.				
ICW—	INDUSTRIAL COLD WATER PIPING		rressure iemperature pure								
ISCW	INDUSTRIAL SOFTENED COLD WATER PIPING	<u> </u>	Y-STRAINER WITH BLOWDOWN								
SCW	SOFTENED COLD WATER PIPING	<u> </u>	PIPE GUIDE	ORD-1	OVERFLOW ROOF DRAIN - JAY R. SMITH	#1070Y, CAS	FIRON BODY, UNDERDECK CLAMP WITH STA	NDPIPE.			
——F	FIRE PROTECTION PIPING		UNION								
—— HPG ——	HIGH PRESSURE GAS PIPING	——————————————————————————————————————	PIPE ANCHOR								
G	LOW PRESSURE GAS PIPING		FLEXIBLE CONNECTOR								
—— MPG ——	MEDIUM PRESSURE GAS PIPING]	PIPE CAP/STUB-OUT						7		
GV	GAS VENT PIPING		DIRECTION OF FLOW		PLUMRING	FIXTI	RE SCHEDULE				
	LOT WATED DIDING	î	PIPE DOWN								
				MARK	FIXTURE ROUGH	-IN (INCHES)	REMARKS				
140°	140° HOT WATER PIPING			PD_1		v V S/			-1		
	HOT WATER RETURN PIPING	O	PIPE TEE UP				ILI LIK TO DWG3. FOR EAAC		_		
								1 1 1 2 2 2 2 2 2 2	-		

DRAWING INDEX * * | * * | * * | * * * | * * | * * | * SHEET NUMBER | SHEET TITLE P-000 SYMBOLS LIST AND SCHEDULES P-200 PLUMBING ROOF PLAN TOTAL 2

ROOF DRAIN		
OVERFLOW ROOF DRAIN		PARAPET
ROOF -		
		1/8" PER
H H		SLEEVE AL
		OPENINGS
		\mathcal{D}
CEILING —		
		Т
	I	I
A RAINWATER I FADER TO I	\cap	WEB BOOF

\P-000/

NTS

GENERAL NOTES:

- 1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING. 2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE
- INTERNATIONAL BUILDING CODE. 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK. 5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND
- LARGER AT 1/8" PER FOOT.
- 6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
- 7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
- 8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
- 9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
- 10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

(765 SQ/FT)

3" <u>RD-1</u> & 3" <u>ORD-1</u> (765 SQ/FT)

(765 SQ/FT)

- 1 TERMINATE OVERFLOW DRAIN 12" ABOVE FINISHED GRADE.
- 2 ROUTE 4" RD & 4" ORD DN IN WALL.
- 3 ROUTE 4" RD BELOW GRADE. REFER TO CIVIL PLANS FOR CONTINUATION.
- 4 ROUTE RD & ORD PIPING BELOW ROOF DECK.
- 5 ROUTE 3" RD & 3" ORD LEADERS DN TO LOWER ROOF. REFER TO A/P-000 FOR RAINWATER LEADER TO LOWER ROOF DETAIL.

GENERAL NOTES:

- A. EXTERIOR FACADE LIGHTING SYSTEM IS AND EXTENSION OF THE CASIO 4 LIGHTING DESIGN. THE SYSTEMS SHALL ALL CONNECT BACK TO OWNERS EXISTING MADRIX USER INTERFACE. ESSENTIALLY DMX SIGNALS ARE TRANSMITED OVER THE OWNERS DATA NETWORK AND THIS PROJECT EXTENDS THE DMX CONTROL CABLES BY SPLITTER OUT TO THE FIXTURE LOCATIONS. CURRENTLY IN THE CASINO ALL COLOR CHANGE LIGHTING IS CONTROLLED BY MADRIX.
- B. CONTRACTOR SHALL MOUNT LOW VOLTAGE POWER SUPPLIES IN COORDINATION WITH ARCHITECTUAL ACCESS PANELS. IN GENERAL POWER SUPPLIES SHALL NOT BE LOCATED WHERE EXPOSED TO THE ELEMENTS REGARDLESS OF RATING.
- C. THE COLOR CHANGE PROGRAMMING OF THE SYSTEM SHALL BE COMPLETED BY A THIRD PARTY SYSTEM INTEGRATOR. THIS INDIVIUAL SHALL HELP ADDRESS ALL THE FIXTURES AND WORK WITH THE OWNER TO DEVELOP COLOR CHANGE PROGRAMMING SCHEMES VIA THE MADRIX USER INTERFACE. CONTRACTOR SHALL SCHEDULE A PROGRAMMING MEETING WITH OWNER/ENGINEER PRIOR TO ANY CONSTRUCTION TO DEVELOP THE NECESSARY ADDRESS REQUIREMENTS AND PROGRAMMING PARAMATERS.
- BELOW IS A GENERIC PROGRAMMING SPECIFICATION AND SHALL BE USED AS A GUIDE FOR BIDDING THE SYSTEM. THE HOURS ARE ESTIMATED BASED ON PAST PROJECT EXPERIENCE, EACH SYSTEM MANUFACTURER SHALL PROVIDE PROGRAMMING AND ADDRESSING HOURS FOR A COMPLETE INSTALLTION TO THE OWNERS SATISFACTION.

LIGHTING CONTROL SYSTEM

A. SUPERVISION OF INSTALLATION AND FINAL TESTING

- THE LIGHTING CONTROL SYSTEM MANUFACTURER SHALL INCLUDE IN HIS PRICING TO THE ELECTRICAL CONTRACTOR 40 HOURS TO PERFORM TESTING AND START-UP OF ALL SYSTEM COMPONENTS.
- THE LIGHTING CONTROL SYSTEM'S MANUFACTURER SHALL SUPPLY AT EAST ONE (1) SERVICE TECHNICIAN AFTER ALL SYSTEMS HAVE BEEN ESTED AND IN FULL OPERATION AS DESCRIBED ABOVE TO ASSIST THE INSTALLING ELECTRICIAN TO DEMONSTRATE AND INSTRUCT THE OWNER'S REPRESENTATIVE ON THE OPERATION AND ANY UNIQUENESS OF THE LIGHTING CONTROL SYSTEM. MINIMUM TIME REQUIRED FOR OWNER INSTRUCTION OF THE SYSTEM IS THREE (3) EIGHT (8) HOUR SESSIONS. TIME OF DEMONSTRATION AND INSTRUCTION TO BE AT OWNER'S CONVENIENCE.
- THE PRESENCE OF THE CONTROL SYSTEM MANUFACTURER'S SERVICE TECHNICIANS TO ASSIST THE INSTALLING ELECTRICIAN IN ALL OF THE ABOVE IS A REQUIREMENT OF THIS PROJECT AND PROOF OF TIME EXPENDED SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE.
- THE PROJECT BID SHALL INCLUDE TWO (2) TEN (10) HOUR DAYS OF 4. LED ADDRESS PROGRAMMING
- EFFECTS PROGRAMMING: Β.
 - PROVIDE DYNAMIC TIME-BASED RGBW CONTROL PROGRAMMING FOR ALL NEW FIXTURES. INTEGRATE NEW FIXTURES INTO THE EXISTING CONTROL SYSTEM. MANUFACTURER'S REPRESENTATIVE UNDER DIRECTION OF OWNER AND LIGHTING DESIGNER SHALL PROVIDE ALL SYSTEM PROGRAMMING AND TIME SCHEDULE PROGRAMMING FOR THE COMPLETE YEAR. MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE A MINIMUM OF THIRTY (30) HOURS OF PROGRAMMING TIME ADDITIONAL TO START UP PROCEDURES TO DEVELOP OWNER DRIVEN SCENES AND SPECIAL EVENTS.
 - GENERAL DESCRIPTION OF PROGRAMMING: 2.
 - ALL VERTICAL RUNS OF TYPE LP03 TO BE PROGRAMMED AS α. SINGLE-ZONE DYNAMIC COLOR CHANGE RUNS. REFER TO PLANS FOR ZONE GROUPING SCHEME. EXACT ZONING SCHEME MAY BE CHANGED PER OWNER'S REQUEST.
 - ALL HORIZONTAL RUNS OF TYPE LP11 TO BE PROGRAMMED AS SINGLE-ZONE DYNAMIC COLOR CHANGE RUNS. REFER TO PLANS FOR ZONE GROUPING SCHEME. EXACT ZONING SCHEME MAY BE CHANGED PER OWNER'S REQUEST.
 - ALL TYPE LP04 TO BE FULL ON/FULL OFF EFFECT, NO DIMMING C. PROGRAMMING REQUIRED FOR TYPE LP04 FIXTURES.
 - FOR ALL SINGLE-ZONE COLOR CHANGE RUNS, PROVIDE PROGRAMMING FOR BASIC LIGHTING SCENES FOR SIXTEEN (16) STATIC RGB COLORS; RED, ORANGE, YELLOW, GREEN, BLUE, INDIGO, VIOLET, TURQUOISE, ETC.
 - FOR ALL SINGLE-ZONE COLOR CHANGE RUNS, PROVIDE e. PROGRAMMING FOR BASIC LIGHTING SCENES FOR EIGHT (8) HOLIDAY THEMES: NEW YEAR'S, VALENTINE'S DAY, ST. PATRICK'S DAY, EASTER, 4" OF JULY, HALLOWEEN, THANKSGIVING, CHRISTMAS.
 - FOR ALL ZONES, PROVIDE PROGRAMMING FOR EIGHT (8) SPECIAL f. EVENTS: OWNER EVENT 1-8.
 - OWNER MAY REQUEST ADDITIONAL SCENES OR PROGRAMMING OPTIONS FOR INTEGRATION INTO OTHER EXTERIOR FA*ADE FEATURES. IN THIS CASE, PROGRAMMER IS TO COORDINATE REQUIREMENTS WITH OWNER AND PROVIDE OPTIONS FOR PROGRAMMING REQUEST.

DOCUMENTATION

A. AS-BUILTS

CONTRACTOR TO PROVIDE PRINT AND DIGITAL COPY OF AS-BUILT CONDITION AFTER COMPLETION OF PROJECT. AS-BUILTS SHALL BE COMPLETED IN CAD FORMAT.

LIGHTING CONTROL DETAIL NOTES

1 FIXTURES SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO PLANS FOR QUANTITY OF FIXTURES. 2 DMX DATA ENABLER DEVICE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO MANUFACTURER INFORMATION FOR SPECIFIC REQUIREMENTS, CABLING, MOUNTING, PROGRAMMING ETC . 3 PROVIDE AMX/DMX DATA CONVERTER FOR INTEGRATION INTO EXISTING CASINO MADRIX LIGHTING CONTROL SYSTEM. PATHWAY: ULTIMATE DMX CONVERTER 8680 OR APPROVED EQUAL. 4 REFER TO ENGINEERING DRAWINGS FOR CIRCUITING.

LUMINARE SCHEDULE												
DESCRIPTION	LAMP	DRIVER VOLTAGE	UNIT WATTS	COLOR TEMP [K]	MOUNTING	DIMMING	LOCATION					
APERATURE HI LUMEN OPEN LED TERIOR DOWNLIGHT. GALVANIZED EEL FRAME WITH JUNCTION BOX AND IGED ACCESS COVER. ADJUSTABLE DUNTING BRACKETS. WET LOCATION TED.	PATHWAY: 8LB79V-60-4K-E1-XW60-D8+8PL ED-HAZPF OR APPROVED EQUAL.	80 CRI 7000 LUMEN LED	120/277V	52W	4000K	RECESSED	0-10V	PORTE COCHERE				
TERIOR RATED LINEAR TAPE STYLE B LED FIXTURE. EXTRUSION WITH EAR LENS. IP68 RATED.	ACCLAIM: FLEX II EXTERIOR RGB FLEX2ERGB OR APPROVED EQUAL.	85 LUMEN / FT RGB LED ARRAY	12VDC	4.4W/FT	RGB	SURFACE	DMX	EXTERIOR FACADE				
TERIOR RATED LINEAR DIRECT VIEW D NEON FIXTURE. EXTRUSION WITH EAR LENS. IP68 RATED.	TIVOLI: FLEXLUM FXLM-32-S-D-24-8 OR APPROVED EQUAL.	30 LUMEN/FT LED ARRAY	24VDC	4W/FT	3200K	SURFACE	0-10V	EXTERIOR FACADE				
EAR EXTERIOR RGBW LED WALL AZING FIXTURE. 15X30 BEAM ANGLE.	LUMENPULSE: LOGHO-120-48-RGBW-WW-UMA S-XX-DMX.RDM OR APPROVED EQUAL.	890 LUMEN/FT RGBW LED ARRAY	120/277V	19W/FT	RGBW	SURFACE	DMX	EXTERIOR FACADE				
IEAR TAPE IN EXTRUSION. WET CATION LISTED.	ACCLAIM: FLEX II SO, KLUS SILER EXTRUSION OR APPROVED EQUAL.	70 LUMEN / FT RGB LED ARRAY	120/277V	2.4W/FT	4000K	SURFACE	0-10V	EXTERIOR FACADE				
D DAMP LOCATION FLEXIBLE TILE STEM.	COOL EDGE EXTERIOR R2 OR APPROVED EQUAL.	600 LUMEN/SQ FT LED ARRAY	120/277V / 58VDC	5.6W/SQ FT	4000K	SURFACE	0-10V	EXTERIOR FACADE				

REMARKS	

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

				3								4		
4'	0	1'	2'	1"-1' 0" 0	6"	1'	2'	0	3"	6"	1'	0	3"	6"
	3/4"=1'-0"			1 - 1 -0				1 1/2"=1'-0"				3"=1'-0"		

1 COORIDNATE DATA CONNECTION / AV INTEGRATION REQUIREMENTS FOR VIDEO WALL(S)

6

1 DISCONNECT AND REMOVE ALL EXISTING DOWNLIGHTS IN THIS AREA. 2 DISCONNECT AND REMOVE EXISTING FLOOD LIGHTS IN THIS AREA.

LT-202 DEMOLITION NOTES

LT-202 DRAWING NOTES

1 MOUNT POWER SUPPLY FOR LINEAR TAPE RUNS AT TOP OF COLUMNS. TYPICAL ALL COLUMN LOCATIONS.

5

			1								2			
1/16"=1'-0"	8'	16'	32'	0	4'	8'	16'	0	2'	4'	8'	0	1'	2'
1/10 -1-0				1/8"=1'-0"				1/4"=1'-0"				1/2"=1'-0"		

$2\frac{\text{NORTH FACADE ELEVATION}}{\frac{1}{8"}=1'-0"}$

$1 \frac{\text{SOUTH FACADE ELEVATION}}{\frac{1}{8" = 1'-0"}}$

LT-203 DEMOLITION NOTES

DISCONNECT AND REMOVE EXISTING FACADE WASH LIGHTS IN THIS LOCATION. 1

6

1 DISCONNECT AND REMOVE GROUND MOUNTED EXISTING FLOOD LIGHTS IN THIS AREA.

6

