



10.21.2021 RDLA 21041C

ARHAUS FURNITURE | CORAL GABLES, FLORIDA | EXISTING SITE PHOTOS

The drawings, specifications, ideas, design and arrangements represented thereby are and shall remain the property of the architect. No part of shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site, and this office must be notified of any variations from the dimensions and conditions shown by these drawings.

RDL
ARCHITECTS



10.21.2021 RDLA 21041C

ARHAUS FURNITURE | CORAL GABLES, FLORIDA | EXISTING SITE PHOTOS

The drawings, specifications, ideas, design and arrangements represented thereby are and shall remain the property of the architect. No part of shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site, and this office must be notified of any variations from the dimensions and conditions shown by these drawings.

RDL

ARCHITECTS



10.21.2021 RDLA21041C

ARHAUS FURNITURE | CORAL GABLES, FLORIDA | EXISTING SITE PHOTOS

The drawings, specifications, ideas, design and arrangements represented thereby are and shall remain the property of the architect. No part of shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site, and this office must be notified of any variations from the dimensions and conditions shown by these drawings.

RDL
ARCHITECTS

STRUCTURAL SPECIFICATIONS AND GENERAL NOTES:

CODE: FLORIDA BUILDING CODE, 2020
 BASE CODES: 2018 INTERNATIONAL BUILDING CODE / ASCE 7-16

LIVE LOADS

ROOF LIVE LOAD = 30 PSF
 SNOW LOAD
 GROUND SNOW LOAD (Pg) = 0 PSF

WIND LOADS ULTIMATE DESIGN WIND SPEED

ULTIMATE DESIGN WIND SPEED Vult = 175 MPH
 NOMINAL DESIGN WIND SPEED Vasd = 136 MPH
 RISK CATEGORY = II
 WIND EXPOSURE = C
 INTERNAL PRESSURE COEFFICIENT (GCpi) = ±0.18

COMPONENTS & CLADDING (PSF) (ULTIMATE LOADS)				
MAIN LOW ROOF				
AREA (SF)	10		100	
	POS	NEG	POS	NEG
1	28.9	-113.3	22.9	-88.5
2	28.9	-149.5	22.9	-117.5
3	28.9	-203.7	22.9	-139.8
4	71.1	-77.1	60.5	-66.5
5	71.1	-95.2	60.5	-74.0
WP (TYP)	220.7		178.0	
WP (CZ)	274.8		200.3	
LP (TYP)	148.3		127.0	
LP (CZ)	166.3		134.5	

NOTE: FOR H = 20 FT, WP = WINDWARD PARAPET, LP = LEeward PARAPET AND CZ = CORNER ZONE. PARAPET H=25 FT
 A = 12'

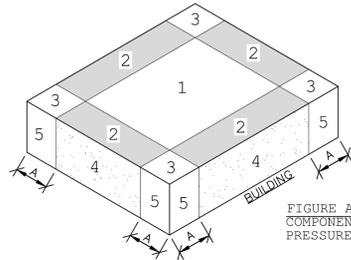


FIGURE A:
COMPONENTS AND CLADDING
PRESSURE COEFFICIENT ZONES

NOTE:

WIND LOADS FOR COMPONENTS AND CLADDING SHALL CONFORM TO FBC/ASCE7 AND FACTORY MUTUAL CRITERIA. THE CLADDING SUPPLIERS SHALL CONSIDER THE ABOVE PRESSURE COEFFICIENTS FOR COMPONENTS AND CLADDINGS AND DETERMINE THE APPROPRIATE WIND LOADS FOR THEIR SYSTEMS BASED ON ZONE AND EFFECTIVE WIND AREA.

EARTHQUAKE DESIGN DATA SEISMIC

IMPORTANCE FACTOR (Ie) = 1.0
 RISK CATEGORY = II
 MAPPED SPECTRAL RESPONSE ACCELERATIONS Ss = 0.040 S1 = 0.020
 SITE CLASS = D (ASSUMED)
 SPECTRAL RESPONSE COEFFICIENTS Sds = 0.043 Sd1 = 0.032
 SEISMIC DESIGN CATEGORY = A
 BASIC SEISMIC-FORCE-RESISTING SYSTEM = ORDINARY REINFORCED CONCRETE MOMENT FRAMES
 DESIGN BASE SHEAR: V = 0.014W
 SEISMIC RESPONSE COEFFICIENT(S) Cs = 0.014
 RESPONSE MODIFICATION FACTOR(S) R = 3.0

SEISMIC LOADS CALCULATED IN ACCORDANCE WITH THE EQUIVALENT LATERAL FORCE PROCEDURE

STRUCTURAL CHANGES TO THE EXISTING STRUCTURE ARE MINIMAL AND COMPLY WITH THE REQUIREMENTS AND CRITERIA OF IBC SECTION 1613 EARTHQUAKE LOADS FOR NEW OR ALTERED STRUCTURES.

SPECIAL LOADS

INTERIOR WALLS - LATERAL LOAD = 5 PSF
 HANDRAIL - LOADS IN ACCORDANCE WITH IBC SECTION 1607.7.1

GENERAL

THE STRUCTURAL ITEMS SHOWN ON THESE DRAWINGS ARE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, TEMPORARY BRACING, ETC. THAT MAY BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING CONSTRUCTION.

WORK THESE DRAWINGS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

FOUNDATIONS

A SOILS TESTING LABORATORY SHALL BE RETAINED BY THE CONTRACTOR TO PROVIDE CONSTRUCTION REVIEW TO ENSURE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS DURING THE EXCAVATION, BACKFILL, AND FOUNDATION PHASES OF THE PROJECT.

IT SHALL BE THE RESPONSIBILITY OF THE SOILS TESTING LABORATORY TO DETERMINE TOPSOIL AND EXCAVATION STRIPPING DEPTH; INSPECT ALL SUBSOIL EXPOSED DURING STRIPPING, SITE GRADING, AND EXCAVATION OPERATIONS; APPROVE FILL MATERIALS, PERFORM DENSITY TESTS OF FILLS TO INSURE PLACEMENT PER SPECIFICATION REQUIREMENTS; INSPECT FOUNDATION BEARING SURFACES AND VERIFY ASSUMED BEARING CAPACITIES.

FOUNDATION DESIGN IS BASED ON AN ASSUMED 2500 PSF BEARING PRESSURE ON FIRM UNDISTURBED SOIL TO BE FIELD VERIFIED. PRIOR TO CONCRETE FOOTING PLACEMENT, THE GEOTECHNICAL ENGINEER SHALL APPROVE ALL EXCAVATIONS.

INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES, WHICH WILL RESULT IN DETRIORATION OF BEARING FORMATIONS, SHALL BE PREVENTED. FOOTINGS SHALL BE PLACED IMMEDIATELY FOLLOWING FOOTING EXCAVATIONS AND BEARING SURFACE INSPECTION.

ALL FILL MATERIALS SHALL BE FREE OF ORGANIC CONTAMINATIONS AND OTHER DELETERIOUS MATTER.

FOR BACKFILL AGAINST FOOTINGS, PLACE IN 8" THICK LAYERS, WITH EACH LIFT COMPACTED AT NEAR OPTIMUM MOISTURE CONTENT, UNTIL A MINIMUM IN PLACE DENSITY OF 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM TEST PROCEDURE D-698 IS ACHIEVED.

NOTIFY STRUCTURAL ENGINEER OF ANY UNUSUAL SOIL CONDITIONS.

IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.

CONCRETE

ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:

INTERIOR SLAB ON GRADE = 3,000 PSI.

REINFORCING BARS SHALL BE NEW BILLET STEEL BARS CONFORMING TO ASTM A-615. GRADE 60 (60,000 PSI YIELD).

NO TACK WELDING OF REINFORCING IN THE FIELD WILL BE PERMITTED.

WELDED WIRE MESH REINFORCING SHALL CONFORM TO ASTM A-185.

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301-10, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" UNLESS NOTED OTHERWISE.

ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO ACI 318-08, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES." LAP ALL SPLICES FOR #4 AND #5 BARS. #6 BARS AND LARGER SHALL NOT BE SPLICED EXCEPT WHERE NOTED AND DETAILED ON THE DRAWINGS.

PROVIDE 6± (± 18) AIR ENTRAINMENT IN ALL CONCRETE EXPOSED TO THE WEATHER.

MASONRY

ALL MASONRY MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-08)" AND "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-08)," AND MINIMUM REQUIREMENTS ESTABLISHED BY LOCAL BUILDING CODES.

CONCRETE MASONRY UNITS SHALL BE ASTM C90, TYPE I WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI (AVG. NET AREA) AND f'm = 1500 PSI.

TYPE "S" MORTAR WITH A MINIMUM COMPRESSIVE STRENGTH OF 1,800 PSI SHALL BE USED FOR LOAD-BEARING, EXTERIOR, SHEAR AND REINFORCED MASONRY WALLS.

GROUT TO FILL CORES SHALL BE ASTM C-476, COARSE GROUT (3/8" MAXIMUM AGGREGATE) WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI IN 28 DAYS.

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.

ALL MASONRY UNITS SHALL HAVE GALVANIZED HORIZONTAL REINFORCEMENT OF THE LADDER TYPE, #9 GAGE SIDE AND CROSS RODS SPACED 16" O.C. VERTICALLY.

LAP ALL SPLICES 48 BAR DIAMETERS UNLESS SHOWN OTHERWISE ON DRAWINGS.

VERTICAL BARS SHALL BE HELD IN POSITION AT 48" MAX WITH VERTICAL BAR POSITIONERS AT TOP OF BOTTOM COURSE AND BOTTOM OF TOP COURSE AND AT INTERVALS NOT EXCEEDING 200 DIAMETERS OF THE REINFORCING, NOR 10 FEET. BARS SHALL BE IN SECURED PLACE PRIOR TO GROUTING.

VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4 OF AN INCH FROM THE MASONRY AND NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS.

ALL CORES WITH REINFORCEMENT SHALL BE FILLED SOLID WITH GROUT. ALL GROUT SHALL BE CONSOLIDATED IN PLACE BY VIBRATION TO INSURE COMPLETE FILLING OF CELLS.

MORTAR PROTRUSIONS, EXTENDING INTO CELLS OR CAVITIES TO BE REINFORCED AND FILLED, SHALL BE REMOVED.

LAY MASONRY UNITS WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. BED WEBS IN MORTAR IN STARTING COURSE ON FOOTINGS AND IN ALL COURSES OF COLUMNS AND PILASTERS, AND WHERE ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT.

ALL CORNERS SHALL BE TIED BY MASONRY BOND.

GROUT CORES SOLID A MINIMUM OF ONE COURSE BELOW ANY CHANGE IN WALL THICKNESS.

ALL MASONRY WALLS SHALL HAVE VERTICAL CONTROL JOINTS AT APPROXIMATELY 20'-0" O.C.; COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL DRAWINGS.

STRUCTURAL STEEL

ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-992 GRADE 50 (FY = 50 KSI) EXCEPT TUBULAR SECTIONS WHICH SHALL CONFORM TO ASTM A-500 GRADE "B" (FY = 46 KSI). ANGLES, CHANNELS, PLATES, AND BARS SHALL CONFORM TO ASTM A-36 (FY = 36 KSI) AS A MINIMUM.

DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS.

ALL STRUCTURAL STEEL SHALL BE SHOP PRIMED; ASPHALTIC PAINTS ARE NOT ACCEPTABLE.

FIELD CONNECTIONS SHALL BE BOLTED, BEARING TYPE UNLESS NOTED OTHERWISE, USING 3/4" HIGH STRENGTH BOLTS CONFORMING TO ASTM A-325. ONE SIDED CONNECTIONS ARE NOT PERMITTED UNLESS DETAILED ON DRAWINGS.

ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH THE LATEST AWS SPECIFICATIONS.

GENERAL CONTRACTOR SHALL VERIFY ALL STRUCTURAL BEAM LOCATIONS, MECHANICAL UNIT WEIGHTS AND OPENING SIZES AND LOCATIONS WITH MECHANICAL CONTRACTOR AND VENDOR'S DRAWINGS FOR ACTUAL MECHANICAL UNIT PURCHASED.

ALL 4 X 4 X 5/16 ANGLES REQUIRED FOR ROOF UNITS AND ROOF OPENINGS OVER 12" X 12" BE SUPPLIED BY STRUCTURAL STEEL FABRICATOR AND BE COORDINATED BY GENERAL CONTRACTOR WITH THE JOIST FABRICATOR, MECHANICAL DRAWINGS AND MECHANICAL EQUIPMENT SUPPLIER.

FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.

MISCELLANEOUS STEEL LINTEL SCHEDULE

FOR WALLS 8" OR THICKER:

FOR OPENINGS UP TO 4'-0" USE 3-1/2 x 3-1/2 x 5/16 ANGLE.
 FOR OPENINGS FROM 4'-0" TO 5'-0" USE 4 x 3-1/2 x 5/16 LVL.
 FOR OPENINGS FROM 5'-0" TO 6'-0" USE 4 x 3-1/2 x 5/16 LVL.
 FOR OPENINGS FROM 6'-0" TO 7'-0" USE 6 x 3-1/2 x 5/16 LVL.
 USE ONE ANGLE FOR EACH 4" WYTHE OF MASONRY. ALL LINTELS SHALL HAVE A BEARING AT EACH END OF 1 INCH PER FOOT OF OPENING WITH A MINIMUM OF 6".

ALL LINTELS SHALL BEAR ON 16" SOLID MASONRY EXTENDING 16" BEYOND END OF LINTEL.

ALL EXTERIOR LINTELS AND EXPOSED EXTERIOR BOTTOM LINTEL PLATES SHALL BE GALVANIZED; LINTELS SHALL BE GALVANIZED AFTER FABRICATION.

PROCEDURE FOR NEW DOOR OPENINGS IN EXISTING MASONRY WALLS

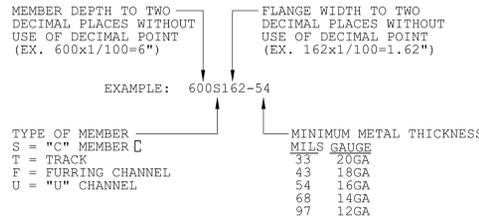
- STEP 1: NEEDLE AND SHORE WALL AS REQUIRED.
- STEP 2: CUT AND REMOVE EXISTING MASONRY AS REQUIRED.
- STEP 3: REBUILD SIDES OF NEW OPENING WITH NEATLY INSTALLED FULL AND HALF END BLOCK.
- STEP 4: GROUT MINIMUM 2 COURSES SOLID AT NEW LINTEL BEARING.
- STEP 5: REBUILD MASONRY SOLID AROUND LINTEL.

LIGHT GAGE FRAMING

ALL LIGHT GAGE FRAMING SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," LATEST EDITION.

FRAMING MEMBERS SHALL BE FORMED FROM STEEL WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MILS (18 GA) AND THINNER AND A MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MILS (16 GA) AND THICKER, UNLESS NOTED OTHERWISE.

ALL STEEL STUDS ARE IDENTIFIED BY THE STEEL STUD ASSOCIATION NOMENCLATURE AS FOLLOWS:



STEEL STUD/JOIST NOMENCLATURE

ALL FRAMING SHALL BE GALVANIZED.

ALL WELDS SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT.

ALL CONNECTIONS SHALL BE SCREWED OR POWDER FASTENED (STUD TO STRUCTURAL STEEL OR CONCRETE ONLY) AS INDICATED ON THESE DRAWINGS.

SCREWS (STUD TO STUD OR TRACK) - #10 SELF DRILLING SCREWS MANUFACTURED BY GRABBER, BULDER OR HILTI AND INSTALLED PER THE FASTENER MANUFACTURER'S SPECIFICATIONS. MINIMUM 1/2" LENGTH FOR LIGHT GAGE TO LIGHT GAGE CONNECTIONS (MINIMUM 1-1/2" LENGTH FOR LIGHT GAGE TO TIMBER CONNECTIONS). SCREWS SHALL BE SPACED A MINIMUM OF 1/2" BETWEEN ADJACENT SCREWS AND FROM METAL EDGES.

SCREWS (STUD/TRACK TO STRUCTURAL MEMBERS) - #12 SELF DRILLING SCREWS BY MANUFACTURER (ABOVE) MINIMUM 1-1/4" LENGTH WITH 12-24 THREAD FORM WITH HEX WASHER HEAD AND #5 DRILL POINT.

P.A.F. - POWDER ACTUATED FASTENER DOME HEAD NAIL TYPE X-U BY HILTI OR APPROVED EQUAL. MINIMUM SHANK DIAMETER 0.157" WITH MINIMUM 1" EMBEDMENT IN CONCRETE.

ALL MEMBERS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR SLOPE CUT AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS.

FIELD CUTTING OF STUDS SHALL BE DONE BY SAWING OR SHEARING. TORCH CUTTING OF LIGHT GAGE MEMBERS IS NOT PERMITTED.

DO NOT CUT OR SPLICE LIGHT GAGE FRAMING MEMBERS UNLESS INDICATED BY THESE DRAWINGS.

DEFERRED STRUCTURAL SUBMITTALS

DRAWINGS AND CALCULATIONS FOR DEFERRED SUBMITTALS SHALL BE STAMPED BY AN ENGINEER REGISTERED IN THE STATE WHERE THE STRUCTURE IS LOCATED AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO SUBMISSION TO THE BUILDING DEPARTMENT FOR REVIEW. DEFERRED SUBMITTALS SHALL INCLUDE THE FOLLOWING STRUCTURAL COMPONENTS:
 -LIGHT GAUGE METAL FRAMING AND CALCULATIONS

SPECIAL INSPECTIONS PER 2020 FBC SECTION 1704

THE OWNER SHALL EMPLOY A REGISTERED ENGINEER OR TEST AGENCY WITH EXPERIENCED TECHNICIANS UNDER THE DIRECT SUPERVISION OF A REGISTERED ENGINEER TO PERFORM THE DUTIES OF THE SPECIAL INSPECTOR. THE SPECIAL INSPECTOR SHALL MEET THE QUALIFICATIONS AS STATED IN THE BUILDING CODE.

DUTIES AND RESPONSIBILITIES OF THE INSPECTOR:
 THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS, AND THE FOLLOWING TABLE.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CURRENT BUILDING CODE. REPORTS SHALL COMPLY WITH THE REQUIREMENTS OF IBC SECTION 1704.

STATEMENT OF SPECIAL INSPECTIONS SCHEDULE IBC 2015			
The areas marked below shall have special inspections	Continuous	Periodic	Remarks
<input checked="" type="checkbox"/> Inspection of Fabricators (1704.2.5)		<input checked="" type="checkbox"/>	
<input type="checkbox"/> Other			
<input checked="" type="checkbox"/> Steel Construction			
<input type="checkbox"/> Materials			
<input checked="" type="checkbox"/> Welding		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Steel frame details		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> High-strength bolts	<input checked="" type="checkbox"/>		
<input type="checkbox"/> Structural steel (1705.2.1)			PER AISC 360
<input type="checkbox"/> Other			
<input checked="" type="checkbox"/> Concrete Construction (Table 1705.3)			
<input type="checkbox"/> Reinforcing steel			
<input type="checkbox"/> Conc Placement			
<input type="checkbox"/> Design Mix Verification			
<input type="checkbox"/> Sampling & Strength tests			
<input checked="" type="checkbox"/> Bolts in concrete	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> Other: Adhesive & expansion anchors	<input checked="" type="checkbox"/>		1704.13
<input type="checkbox"/> Masonry Construction			
<input type="checkbox"/> Essential facility glass units & veneer - Level 1			
<input type="checkbox"/> Nonessential facility-- Level 1			
<input type="checkbox"/> Essential facility-- Level 2			
<input type="checkbox"/> Other			

ABBREVIATIONS

AB	ANCHOR BOLTS	HORIZ	HORIZONTAL
AFB	ABOVE FINISH FLOOR	J/B	JOIST BEARING
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	JST	JOIST
ARCH	ARCHITECT OR ARCHITECTURAL DRAWINGS	JG	JOIST GIRDER
ARCH'L	ARCHITECTURAL	LLH	LONG LEG HORIZONTAL
BLDG	BUILDING	LLV	LONG LEG VERTICAL
BLK	BLOCK	LSV	LONG SIDE VERTICAL
BM	BEAM	LW	LONG WAY
BOT	BOTTOM	LT.GA	LIGHT GAGE
BRG	BEARING	MAS	MASONRY
BTJ	BOLTED TIE JOIST	MAX	MAXIMUM
CANT'L	CANTILEVER	MC	MOMENT CONNECTION
CIP	CAST-IN-PLACE	MECH.	MECHANICAL
CJ	CONTROL JOINT	MFR	MANUFACTURER
CL	CENTERLINE	MIN.	MINIMUM
CLR	CLEAR	MTL	METAL
CMU	CONCRETE MASONRY UNIT	(N)	NEW
COLM	COLUMN	NA	NOT APPLICABLE
CONN	CONNECTION	N.S.	NEAR SIDE
CONC	CONCRETE	NTS	NOT TO SCALE
CONSTR	CONSTRUCTION	OC	ON CENTER
CONT	CONTINUOUS	OF	OUTSIDE FACE
COORD	COORDINATE	OPP	OPPOSITE
DET	DETAIL	PC	PRECAST CONCRETE
DIA	DIAMETER, Ø	PL	PLATE
DJ	DOUBLE JOIST	PLCS	PLACES
DK	DECK	PROJ	PROJECTION
DWG	DRAWING	PSF	POUNDS PER SQUARE FOOT
DWLS	DOWELS	R	RADIUS
EA	EACH	REIN	REINFORCEMENT
EP	EACH FACE	REQ'D	REQUIRED
EXP. JT	EXPANSION JOINT	RET.	RETAINING
EJ	EXPANSION JOINT	SECT	SECTION
EL/ELEV	ELEVATION	SHT	SHEET
E.O.S.	EDGE OF SLAB	SIM	SIMILAR TO DETAIL;
ES	EACH SIDE		BUT NOT EXACTLY THE
EQ	EQUAL	SOG	SAME. INTENT OF DETAIL
EW	EACH WAY	SPA	IS THE SAME.
(E)	EXISTING	STIFF	SLAB ON GRADE
FB	FACE OF BUILDING	STL	SPACE
F/CONC	FACE OF CONCRETE	STIFF	STIFFENED OR STIFFENER
FDN	FOUNDATION	STW	STEEL
FIN	FINISH	T/B	SHORT WAY
FLG	FLANGE	THK	TOP & BOTTOM
FLR	FLOOR	T/S	THICK
FRT	FIRE-RETARDANT TREATED	TYP	TOP OF
FS	FAR SIDE OR FOOTING STEP	UNO	TOP OF STEEL
FTG	FOOTING	VERT	TYPICAL
GA	GAGE OR GAUGE		UNLESS NOTED OTHERWISE
GB	GRADE BEAM	W/	VERTICAL
GC	GENERAL CONTRACTOR	WF	WITH
GALV	GALVANIZED	WP	WIDE FLANGE
		WWF	WORK POINT
			WELDED WIRE FABRIC

NOTE:

ALL DIMENSIONS OF EXISTING STRUCTURE ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.

NOTE:

SCALES INDICATED ARE BASED ON FULL SIZE 24"x36" DRAWING DIMENSIONS SHALL NOT BE DETERMINED BY COMPUTER SCALING OF DRAWINGS.



Shenberger & Associates, Inc.
 Structural Engineers
 8227 Brecksville Road
 Cleveland, Ohio 44141
 Telephone: (440) 526-3100
 Fax: (440) 526-7753
 EMAIL: sai@shenberger.net

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

16102 Chagrin Boulevard, Suite 200
 Shaker Heights, Ohio 44120
 Phone: (216) 752-4300
 Fax: (216) 752-4301
 www.RDLarchitects.com

NO.	DATE	DESCRIPTION
1	22 OCT 2021	PERMIT/BOA
2		
3		
4		
5		
6		
7		
8		
9		
10		

SCALE - AS NOTED

PROJECT #	21041C
DRAWN BY	PJN
CHECKED BY	CAT
FILE NAME	12827_E1.01_Shell
PLOT DATE	06-07-2021

COPYRIGHT 2021 ALL RIGHTS RESERVED

GENERAL NOTES

- REFER TO ARCHITECTURAL PLAN FOR EXACT LOCATION AND QUANTITY OF LIGHTING FIXTURES.
- ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.
- ALL LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS FROM 101'-0" TO 50'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS 50'-0" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.
- ALL LIGHTING CIRCUITS ARE TO BE 2 #12 + GROUND TO PANEL SHOWN WITH SEPARATE NEUTRAL AND GROUND IN EACH HOMERUN. SEE NOTE 'C'.

CODED NOTES

- CUT AND PATCH EXTERIOR SURFACES TO INSTALL NEW IN-GRADE FLOOD LIGHTS. ROUTE IN PVC CONDUIT BELOW GRADE.
- COORDINATE ALL SIGN LOCATIONS WITH ARCHITECT AND SHELL CONSTRUCTION PRIOR TO ROUGH-IN OF JUNCTION BOXES FOR SIGNAGE.
- INDICATES FIXTURE TYPE / CIRCUIT FED FROM DESIGNATED PANEL. SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. ALL LIGHT FIXTURES ARE FED FROM PANEL 'LA' UNLESS OTHERWISE NOTED.
- PROVIDE TYPE 'A' FIXTURE AROUND PERIMETER OF ROTUNDA. SEE ARCHITECT'S ELEVATIONS AND DETAILS. LOCATE POWER SUPPLY IN CONCEALED AREA.

LEGEND

	LIGHT FIXTURE TYPE CIRCUIT IN PANEL
	SWITCH LEG
	LIGHT FIXTURE TYPE CIRCUIT IN PANEL
	UNSWITCHED HOT

NOTE: DOWNLIGHTS WITH INTEGRAL BATTERIES ARE TO BE WIRED TO SWITCH LAMPS WITH LIGHTING CONTROLS. PROVIDE UNSWITCHED HOT FROM LCP 50 BATTERY TURNS ON ONLY WHEN POWER FAILS OR BREAKER OPENS.

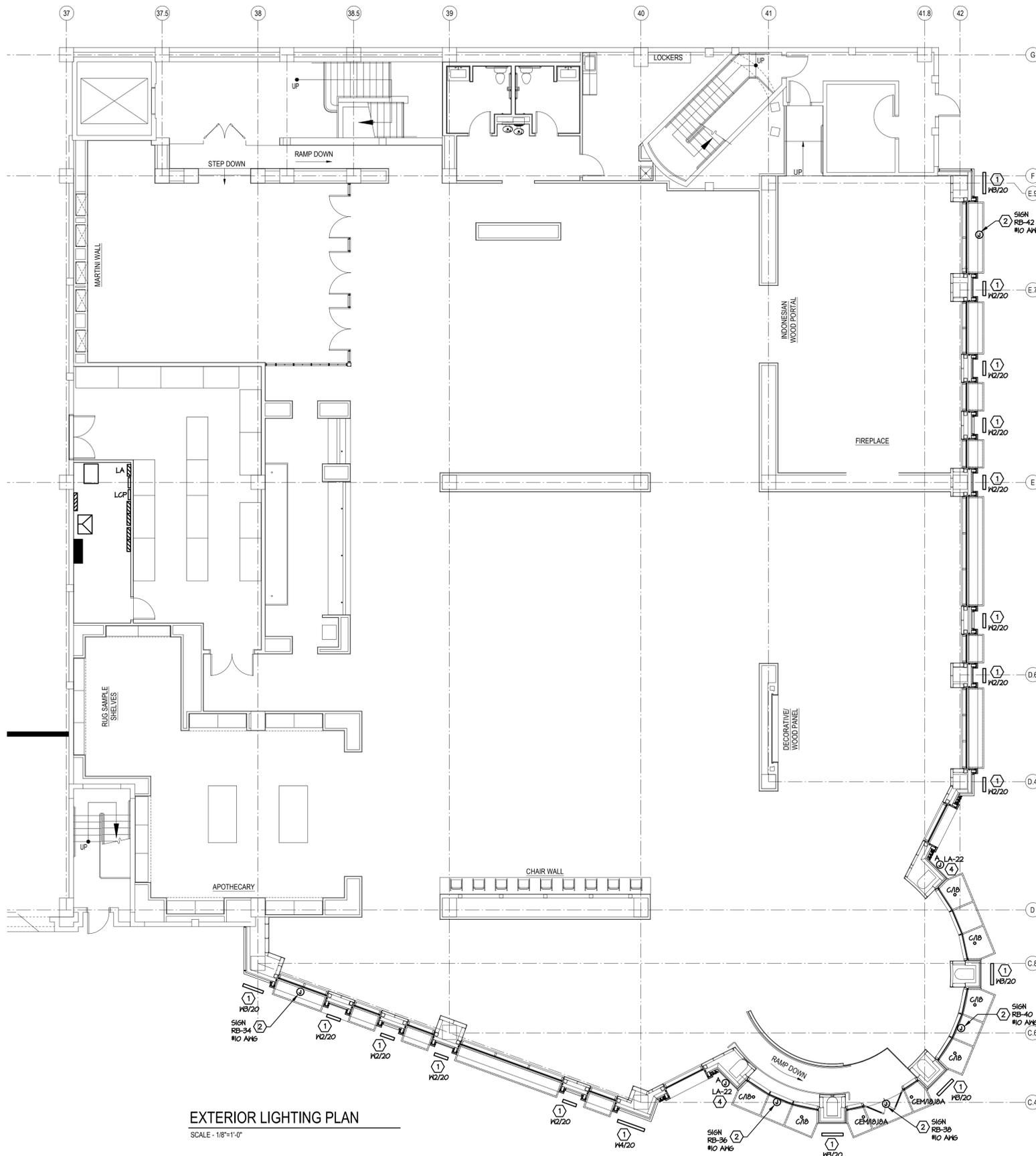
NOTE: CONTRACTOR SHALL COMPLY WITH ALL LOCAL REQUIREMENTS FOR WIRING METHODS. CONTRACTOR TO VERIFY PRIOR TO BID SUBMITTAL.

ALL CIRCUITS ARE TO PANEL LA THROUGH CONTROLS IN LCP. SEE INTERIOR DRAWINGS.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMPS	FIXTURE WATTS	VOLTS	MANUFACTURER	CATALOG NO.
A	CONTINUOUS LIGHTED 'U' CHANNEL IN RECTANGLE CONFIGURATION, DIMENSIONS PER ARCHITECT'S ELEVATION, FINISH PER ARCH., NOTE 1	RECESSED CHANNEL EXTERIOR	128LU/L.F. 3000K	3W/ L.F.	120	GM LIGHTING	NV24T-3W-30K-16 IP65 RATED NV24T-CHL-A4
C	RECESSED CANOPY DOWNLIGHT WITH CLEAR LENS	RECESSED	3000K-1850 LU	14	120	INTENSE LIGHTING	GD6DR-L3-309-D101-NF IRD602-B-SF-CR-1100
CE	SAME AS C WITH INTEGRAL BATTERY PACK	RECESSED	3000K-1850 LU	14	120	INTENSE LIGHTING	GD6DR-L3-309-D101-NF-EM20 IRD602-B-SF-CR-1100
W1	IN GRADE FAÇADE LIGHT WITH INTERNAL LOUVER, 10X10 OPTICS AND ANTI-SLIP LENS, 12 INCH LENGTH	SURFACE	LED 3000K 100LUMENS/FOOT	8.5W /LF	120	LUMENPULSE	LOIRO-120-12-30K-10X10 TSO-INTL-NO-ASL
W2	IN GRADE FAÇADE LIGHT WITH INTERNAL LOUVER, 10X10 OPTICS AND ANTI-SLIP LENS, 24 INCH LENGTH	SURFACE	LED 3000K 100LUMENS/FOOT	8.5W /LF	120	LUMENPULSE	LOIRO-120-24-30K-10X10 TSO-INTL-NO-ASL
W3	IN GRADE FAÇADE LIGHT WITH INTERNAL LOUVER, 10X10 OPTICS AND ANTI-SLIP LENS, 36 INCH LENGTH	SURFACE	LED 3000K 100LUMENS/FOOT	8.5W /LF	120	LUMENPULSE	LOIRO-120-36-30K-10X10 TSO-INTL-NO-ASL
W4	IN GRADE FAÇADE LIGHT WITH INTERNAL LOUVER, 10X10 OPTICS AND ANTI-SLIP LENS, 48 INCH LENGTH	SURFACE	LED 3000K 100LUMENS/FOOT	8.5W /LF	120	LUMENPULSE	LOIRO-120-48-30K-10X10 TSO-INTL-NO-ASL

- NOTES:**
- MANUFACTURER SHALL PROVIDE JOB SPECIFIC SHOP DRAWING WITH ALL COMPONENTS REQUIRED TO PROVIDE ALL OUTLINE LIGHTING SHOWN ON ARCHITECT'S ELEVATIONS AND SECTIONS. CONTRACTOR IS TO COORDINATE LOCATION OF POWER SUPPLIES AND LENGTH OF CABLE CONNECTORS WITH MANUFACTURER.
 - ALL FIXTURES ARE TO BE PURCHASED BY THE TENANTS FROM THEIR NATIONAL ACCOUNTS DISTRIBUTOR. ELECTRICAL CONTRACTOR TO RECEIVE AND INVENTORY FIXTURES AND INSTALL.



EXTERIOR LIGHTING PLAN
SCALE - 1/8"=1'-0"

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

McHenry & Associates Incorporated

MC&A
Consulting Engineers est. 1960

25001 Emery Road, Suite #200
Warrensville Heights, Ohio 44128
Phone: 216-292-4696
Fax: 216-292-5874
Email: mail@mcHenryassociates.com
Florida Business #0005282



10.21.2021 RDLA 21041C

ARHAUS FURNITURE | CORAL GABLES, FLORIDA | EXTERIOR RENDER

The drawings, specifications, ideas, design and arrangements represented thereby are and shall remain the property of the architect. No part of shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site, and this office must be notified of any variations from the dimensions and conditions shown by these drawings.

RDL
ARCHITECTS



10.21.2021 RDLA 21041C

ARHAUS FURNITURE | CORAL GABLES, FLORIDA | EXTERIOR RENDER

The drawings, specifications, ideas, design and arrangements represented thereby are and shall remain the property of the architect. No part of shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site, and this office must be notified of any variations from the dimensions and conditions shown by these drawings.

RDL
ARCHITECTS



10.21.2021 RDLA 21041C

ARHAUS FURNITURE | CORAL GABLES, FLORIDA | EXTERIOR RENDER

The drawings, specifications, ideas, design and arrangements represented thereby are and shall remain the property of the architect. No part of shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site, and this office must be notified of any variations from the dimensions and conditions shown by these drawings.

RDL
ARCHITECTS



10.21.2021 RDLA 21041C

ARHAUS FURNITURE | CORAL GABLES, FLORIDA | EXTERIOR RENDER

The drawings, specifications, ideas, design and arrangements represented thereby are and shall remain the property of the architect. No part of shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site, and this office must be notified of any variations from the dimensions and conditions shown by these drawings.

RDL
ARCHITECTS