



OCATION MAP: BUILDING INFORMATION:

BUII DING SETBACKS	BUII D
C I (COMMERCIAL INTENSE)	SITE IS ZONED:
HOTEL	PROPOSED LANDUSE:
VACANT	CURRENT LANDUSE:
COMMERCIAL	ZONING:
N/A	DENSITY ALLOWED:
PROPOSED = 74'	
MAXIMUM =	BUILDING HEIGHT:

NICHOLAS
PAUL
GEISLER

1758 NW Brown Road
ARCHITECT Lake City, FL 32055
N.C.A.R.B. Certified 386/365-4355

20
LANDSCAPE SETBACK
N/A
BUILDING SETBACKS

ALL DRAWINGS, SPECIFICATIONS, PLANS, IDEAS, ARRANGEMENTS AND DESIGNS REPRESENTED OR REFERRED TO ARE THE PROPERTY OF JCER DESIGN CONSULTANTS WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THEY ARE CREATED, EVOLVED, DEVELOPED AND PRODUCED SOLELY FOR USE ON AND IN CONNECTION WITH THIS PROJECT AND MAY NOT BE DISCLOSED OR GIVEN TO OR USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY USE OR PURPOSE WHATSOEVER, EXCEPT UPON WRITTEN PERMISSION AND DIRECTION OF N. P. GEISLER, ARCHITECT

FLOOD ZONE:	REAR
ZONE:	20&15
THE PF	
PROPERTY LIES IN ZONE	
Y LIES II	
N ZONE A	

	TOTAL SPACE PROVIDED =
6	HANDCAPED SPACES
184	REGULAR SPACES
	PARKING PROVIDED =
190	REQUIRED PARKING =
184 + 6 = 190	6 H.C SPACE UNDER 200
138 + 46 = 184	1 SPACE/3 SEATS (RESTA.)
136 + 2 = 138	(1SPACE/ROOM)+2
SPACES REQ.	NO OF UNITS
JIREMENTS:	PARKING REQUIREMENTS:

NICHOLAS PAUL GEISLER, ARCHITECT AR0007005 LAKE CITTY, FLORIDA 32055 P: 386.365.4355 npgeisler47@gmail.com

CHRISTOPHER A. GMUER, PE GMUER ENGINEERING, LLC 2603 NW 13TH ST BOX 314 GAINESVILLE, FL32609

MORPHEUS GROUP 404 NW HALL OF FAME DRIVE LAKE CITY, FL 32055

ASE ENGINEERING SERVICES, INC. 10244 E COLONIAL DR, SUITE202 ORLANDO, FLORIDA 32817 P: 407.677.5565 F: 407.730.2999 WWW.ASEIICORP.COM

STRUCTURAL ENGINEER

MEP GREEN DESIGN & BUILD 17047 EL CAMINO REAL, SUITE 211, HOUSTON, TX 77058 P: 281-786-1195 WWW.MEPGREENDESIGNS.COM

MEP ENGINEER

136 UNITS BASIS OF DESIGN:

DECOR PACKAGE: **CYNERGY**

DESIGN **GUIDELINE** COMPONENTS:

THE DESIGN AND CONSTRUCTION CRITERIA DOCUMENTS INCLUDE THE FOLLOWING COMPONENTS:

- 1. DESIGN STANDARDS
 2. DESIGN GUIDELINE DRAWINGS
 3. DESIGN GUIDE PROJECT MANUAL MASTER INCLUDING:
 INTERIOR FINISH INDEX (IFI)
 EXTERIOR FINISH INDEX (EFI)
 SIGNAGE MANUAL
 INTERIOR GRAPHICS PACKAGE
 EXTERIOR GRAPHICS PACKAGE
 FOOD SERVICE AND GUEST LAUNDRY EQUIPMENT
 PRODUCT MANUAL
 TOILET AND BATH ACCESSORY MATRIX &
 TOILET AND BATH ACCESSORY PRODUCT MANUAL
 (TECH SHEETS FOR ALL CFRST BRANDS)
 PLUMBING FIXTURE MATRIX &
 PLUMBING FIXTURE PRODUCT MANUAL
 (TECH SHEETS FOR ALL CFRST BRANDS)
 LIGHT FIXTURE MATRIX &
 LIGHT FIXTURE PRODUCT MANUAL
 (TECH SHEETS FOR ALL CFRST BRANDS)
 A. INTERIOR DESIGN SPECIFICATION MANUAL

Hornsk //2

ALL WORK SHALL CONFORI FLORIDA BUILDING CODE 7th I 2020 FLORIDA FIRE PREVENTI 2017 NATIONAL ELECTRIC COI FLORIDA BUILDING CODE 7th I NFORM TO THE FOLLOWING
E 7th EDITION (2020), BUILDING
E 7th EDITION (2020), FUEL GAS
E 7th EDITION (2020), MECHANICAL
E 7th EDITION (2020), PLUMBING
VENTION CODE

7th EDITION (2020), ACCESSIBILITY

CODE. FLORIDA BUILDING CODE 7th EDITION (2020), ENERGY CONSERVATION

TO THE BEST OF THE ARCHITECTS OR ENGINEERS KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH 2020 FBC-B SECTION 110.8 AND FLORIDA STATUTE 633. (FBC 110.8.4.4.)

OURTYARD®

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COURTYARD _ake City, Florida

PROJECT NAME

SEAL+SIGNATURE DATE 07 DEC 2021
PROJECT NUMBER 2K2101
DRAWING NUMBER DECOR: | 조

PAGE NUMBER 01 A-001

C. DESIGN PROFESSIONAL INFORMATION:
NCEMENT JURISDICTION: ☐ CITY ☒ COUNTY ☐ OJECT SUMMARY- WORK: (IF PHASED CONSTRUCTION, PLEASE SEE PLAN SUBMITTAL GUII REQUIREM®®®® CONSISTS OF A NEW FOUR STORY HOTEL WITH OUT
OT INFO MARRIOTT COU MARRIOTT COU IS 90. LAKE CITY OTEL MORP
BUILDING CODE SUMMARY

 □ 402
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 □ 509.6

 ☐ 409 ☐ 410 ☐ 411
☐ 419 ☐ 420 ☐ 421 509.7 509.8 509.9

ALL	ALLOWABLE AREA	AREA					
STORY NO.	DESCRIPTION & USE	(A) (B) BLDG. AREA TABLE 50 PER STORY AREA (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE 1	(D) AREA FOR SPRINKLER INCREASE ²	(A) BLDG. AREA TABLE 503 ⁵ AREA FOR AREA FOR ALLOWABLE MAXIMUM FOR STORY AREA INCREASE ¹ INCREASE ² UNLIMITED ³ AREA (ACTUAL) (B) (C) (AREA FOR ALLOWABLE MAXIMUM AREA OR BUILDING AREA FOR INCREASE ² UNLIMITED ³ AREA 4	(F) MAXIMUM BUILDING AREA ⁴
1ST	R-1	5,731	UNLIMITED	NOT USED	NOT USED	UNLIMITED	
	۲ <u>.</u>	46	48 000	NOT LISED	NOT LISED NOT LISED NOT LISED	NOT USED	

UNLIMITED NOT USED

NOT USED

UNLIMITED

PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVITOTAL BUILDING PERIMETER = ____(P)

RATIO (F/P) = ____(E/P)

W=MINIMUM WIDTH OF PUBLIC WAY = __(M)

PERCENT OF FRONTAGE INCREASE: | = 100 [(F/P) - 0.25] x W/30 = ____

A. MULTI-STORY BUILDING I $_{\rm s}$ = 200 PERCENT B. SINGLE STORY BUILDING I $_{\rm s}$ = 300 PERCENT $^{\circ}$ UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.

MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING $x \, E \,$ BUTHAN $3 \, \text{STORIES} \, x \, E \, (506.4).$ TTED TO COMPLY I NOT GREATER

	Ŕ	TYPE 1B	TYPE	TYPE OF CONSTRUCTION
CODE REFERENCE	SHOWN ON CODE PLANS REFEREN	INCREASE FOR SPRINKLERS 506.3	ALLOWABLE (TABLE 503)	
tion)	w Construct	quired for Additions, Ne	IEIGHT - (Re	I. ALLOWABLE HEIGHT - (Required for Additions, New Construction)
į.	WITH 1412.1.2	ROL TOWERS MUST COMPLY	JE AIR TRAFFIC CONT	1406.3.5. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH 1412.1.2.

I. ALLOWABLE HEIGHT - (Required for Additions, New Construction)	HEIGHT - (Re	quired for Additions, Ne	ew Construc	tion)
	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS 506.3	SHOWN ON PLANS	CODE REFERENCE
TYPE OF CONSTRUCTION	TYPI	TYPE 1B	1B	
BUILDING HEIGHT (FT)	74 FEET	FEET= H+20'= NA	58'-0"	
BUILDING HEIGHT (STORIES) 6 STORIES	6 STORIES	STORIES + 1 = NA	STORIES 6	

		N/A		
	N/A			SMOKE BARRIER SEPARATION 710
	N/A	N/A		PARTY/ FIRE WALL SEPARATION T706.4
	0***	0***		OCCUPANCY SEPARATION T508.4
A003 UL#: U423	**	0.5***		CORRIDOR SEPARATION T1018.1
A004 UL#: U415	2	2		39A件T ENCLOSURES- OTHER 708.4
A003 UL#: U905	2	N		SHAFTENCLOSURES-
A008 UL#: J905 (ELEVATOR/LINEN	22	20 13		SUPPORTING BEAMS
_	, -	, _		AUDING CONSTRUCTION
A003 UL#: J905	2	2		(INCLUDING BEAMS
	0	0		INTERIOR WALLS AND PARTITIONS
	NA	ΝÞ		SOUTH
	NA	N A		WEST
	NA	NA		EAST
	NA	NA		NORTH
				EXTERIOR (T602)
				NONBEARING WALLS & PARTITIONS (SEE SECTION K (601-602) IF RATED)
A003 UL#: U423	2	2		INTERIOR
	0	3,>30'	\pt1.07138,>3 0	SOUTH
	0	3,>30'	\pt1.07138;>3 0	WEST
A003 UL#: U905			10' <x<30'< td=""><td>EAST</td></x<30'<>	EAST
	0	0	>30'	NORTH
				EXTERIOR (T601)
				BEARING WALLS (SEE SECTION K (601-602) IF RATED)
A003 X794 or A008 X633 & A009 U905	2	2		STRUCTURAL FRAME (INCLUDING COLUMNS, GIRDERS, TRUSSES)
DETAIL# DESIGN# D AND FOR -* SHEET# RATED ASSEMBLY	RATING 'D PROVIDED (W/ * REDUCTION)	REQ	FIRE SEPARATION DISTANCE (FEET)	BUILDING
CHECK PLAN SUBMITTAL GUIDELINES IF A LIFE		A002	PROVIDED	LIFE SAFETY PLAN SHEET #, IF PROVIDED _ SAFETY PLAN IS REQUIRED FOR PROJECT.

K. PERCENTAGE OF WALL OPENINGS CALCULATIONS

NO LIMIT
NO LIMIT
NO LIMIT
NO LIMIT
NO LIMIT
SHAPE PLAN ABOVE THE F
D AND 4TH FLOORS THROUG

L. WALL LEGENDS - CHECK IF THE FOLLOWING ARE PRESENT ON THE PLANS:

☐FIRE WALLS 706 ⊠FIRE BARRIERS 707 ⊠ SHAFT ENCLOSURE 708√ FIRE PARTITIONS 709/ ☐SMOKE PARTITIONS 711 ☐NO RATED WALLS ARE PRESENT NERS 710

M. LIFE SAFETY SYSTEM REQUIREMENTS

EXIT SIGNS (1011):

FIRE ALARM (907, NFPA 72-07):

SMOKE DETECTION SYSTEM (907):

PANIC HARDWARE (1008.1.10):

LIFE SAFETY SYSTEM GENERATOR (2

FIRE EXTINGUISHERS:

N. NOT USED □ □ □ □ □ □ □ □
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O. EXIT REQUIREMENTS -

	2ND	1ST		_		NU
	2ND THRU 5TH FLOOR	1ST FLOOR	FOR <u>SPACES</u> REQUIRING TWO EXITS	REFER TO SHEET A002	FLOOR, ROOM, OR SPACE DESIGNATION	NUMBER AND ARRANGEMENT OF EXITS (T1021.1)
	2	2	(SINGLE EXIT PLANS T1021.2)	REQ'D	NUME MIN	NGEMEN
	2	4	PLANS	NO NWOHS	MINIMUM ² NUMBER OF EXITS	IT OF E
	ı	75'	ALLOW.	COMMO		STIX
		73'-0"	ACTUAL	N PATH	TRAVEL DISTANCE	(T102
	250'	250'	ALLOW T1016.1	TRAVEL D	DISTANCE	21.1)
	91'-8"	73'-0'	ACTUAL	DISTANCE		
	93'-3"	58'-3"	ALLOW. ACTUAL ALLOW. ACTUAL BETWEEN SHOV	SHOWN ON COMMON PATH TRAVEL DISTANCE REQUIRED	ARRANGEME MEANS OF EGR (SECTION 101:	
	حـِ		SHOV	ACI	GEME)F EGF)N 101	

1 CORRIDOR DEAD ENDS (SECTION 1018.4) 2 BUILDINGS WITH SINGLE EXITS (TABLE 1021.2) 3 COMMON PATH OF TRAVEL (SECTION 1014.3)	ENDS (SEC SINGLE EXI	TION 1018.4) TS (TABLE 10 SECTION 101	21.2), SPACES	WITH ONE MEANS OF	CORRIDOR DEAD ENDS (SECTION 1018.4) BUILDINGS WITH SINGLE EXITS (TABLE 1021.2), SPACES WITH ONE MEANS OF EGRESS (TABLE 1015.1) COMMON PATH OF TRAVEL (SECTION 1014.3)	.1)
EXIT WIDTH	ב '			OCCUPANT LOAD AND FXIT WIDTH (1004.1.1	NID FXIT WID	TU (1004 1
	=					111 (1004.1
USE GROUP OR	<u> </u>	(B)	(1004.1.1)	(C)	EXIT WIDTH (IN) 2.3.4.5.6	(IN) ^{2,3,4,5,6}
SPACE DESCRIPTION 7	AREA 1 SQ.FT	(B) AREA 1 PER OCCUPANT (TABLE	- 0 S	(C) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1)	EXIT WIDTH REQUIRED WIDTH (SECTION 1005.1) (A/B) x C	(IN) 2.3.4.56 ACTUAL WIDTH SHOWN ON PLANS
SPACE DESCRIPTION 7	(A) AREA 1 SQ.FT.	(B) AREA 1 PER OCCUPANT (TABLE 1004.1.1)	- o S O	(C) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1) STAIR	EXIT WIDTH REQUIRED WIDTH (SECTION 1005.1) (A/B) × C STAIR	(IN) 23.4.56 ACTUAL WIDTH SHOWN ON PLANS STAIR
SPACE DESCRIPTION 7	(A) AREA ¹ SO.FT.	(B) AREA 1 PER OCCUPANT (TABLE 1004.1.1)	- O A O	(C) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1) STAIR	EXIT WIDTH REQUIRED WIDTH (SECTION 1005.1) (A/B) x C STAIR	(IN) 23.4.5.6 ACTUAL WIDTH SHOWN ON PLANS STAIR

2ND-6TH FLOORS OTAL OCCUPANCY FOR BUILDING: 5,359 200gs 51,444 200gs

(SECTION 1018.2);

1 SEE TABLE 1004.1.1 TO DETERMINE WHETHER NET OR GROSS AREJ "AREA, GROSS" AND "AREA, NET" (SECTION 1002)
2 MINIMUM STAIRWAY WIDTH (SECTION 1009.1); MIN. CORRIDOR WIDT MIN. DOOR WIDTH (SECTION 1008.1.1)
3 MINIMUM WIDTH OF EXIT PASSAGEWAY (SECTION 1023.2)
4 SEE SECTION 1004.5 FOR CONVERGING EXITS.
5 THE LOSS OF ONE MEANS OF EGRESS SHALL NOT REDUCE THE AV. PERCENT OF THE TOTAL REQUIRED (SECTION 1005.1) THAN 50

SPACES WITHIN OCCUPANCIES (SECTION 1028)
BREAK ROOMS, CONFERENCE ROOMS.

	(A3) ASSEMBLY ABC	P. INTERIOR FINISHES (Chapter 8 GROUP (T803.9): **EXIT ENCLOSURES EXIT CORRIDORS ENCLOSES ENCLOSES ENCLOSES ENCLOSES ENCLOSES ENCLOSES EXITWAYS EXITWAYS **EXIT	
		OR FINI	
	N/A ABC	OR FINISHES SPRINKLERED SPRINKLERED EXIT ENCLOSURES EXIT ACCESS & EXIT CORRIDORS PASSAGEWAYS EXITWAYS	
0	N/A		
7 0 750	A В С	ROOMS & ENCLOSED SPACES	
	N/A	~ F	
	АВС	EXIT ENCLOSURES & EXIT PASSAGEWAYS	
	N/A	CH CH CH CH	
	АВС	CHART FOR WALLS UN-SPRINKLERED EXIT ACCESS CORRIDORS CORRIDORS & O'HER YS EXITWAYS	
	N/A	WALLS RED ESS DRS YS	
	N/A ABC N/A ABC N/A ABC N/A ABC N/A	CHART FOR WALLS AND CEILINGS UN-SPRINKLERED EXIT ACCESS ROOMS & CORRIDORS ENCLOSED & SPACES & OTHER SPACES YS EXITWAYS	
	N/A	» NGS	

CLASS A: FLAME SPREAD 0-25; SMOKE DEVELOPED 0-450 CLASS B: FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450 CLASS C: FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450

Q. NOT USED

PLUMBING CALCULATIONS

R.1: PLUMBING FIXTURE REQUIREMENTS (IPC T403.1 & IBC T2902.1) FOR NEW CONSTRUCTION, ADDITIONS, UPFITS, ALTERATIONS AND CHANGE OF USE OR IF INCREASING OCCUPANT LOAD.

IF USING FIXTURES ONE FLOOR ABOVE OR ONE FLOOR BELOW, SHOW CALCULATIONS TO JUSTIFY THE COUNT (TABLE 2902.1)

AMILY TOILET RM. -SUBSTITUTE TOILET WITH URINA

1ST FLOOR FIXTURE

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NICHOLAS
PAUL
GEISLER

1758 NW Brown Road
ARCHITECT Lake City, FL 32055
N.C.A.R.B. Certified 386/365-4355

27 X 50% (14 MALES AND 14 FEMALES)
USING 2014 FBPC T403.1 A2 RESTAURANTS:
WC: 1 PER 40 MALES= 14/40= 0.35 WC'S
WC: 1 PER 40 FEMALES= 14/40= 0.35 WC'S
LAV: 1 PER 75 MALES= 14/75= 0.19 WC'S
LAV: 1 PER 75 FEMALES= 14/75= 0.19 WC'S
DF: 1 PER 500 PERSONS= 27/500= 0.05 DF'S

REQUIRED FIXTURE TOTALS:

WC: MALES= 1.32 = 1.3 OR 2.0 2 WC'S FOR MEN

WC: FEMALES= 1.73 = 1.8 OR 2.0 2 WC'S FOR WOMEN

LAV: MALES= 0.79 = 0.8 OR 1.0 1 LAV'S FOR MEN

LAV: FEMALES= 0.79 = 0.8 OR 1.0 1 LAV'S FOR WOMEN

DF: 0.43 = 0.5 OR 1.0 1 HILO LOCATED IN HALL

SS: 1.00 = 1.0 OR 1.0 1 SS LOCATED IN JAN

PLUMBING CALCULATIONS FOR 2ND -6TH FLOOR

R.4: PLUMBING FIXTURE REQUIREMENTS (IPC T403.1 & IBC T2902. OW CALCULATIONS TO JUSTIFY THE COUNT

ATORIES SHOWERS/ TUBS
EEPING UNITPER SLEEPING UNIT

S. ENERGY SUMMARY* (NEW CC NSTRUCTION, ADDITIONS, UPFITS, AND CHANGE OF USE)

ASE ENGINEERING SERVICES, INC. 10244 E COLONIAL DR, SUITE202 ORLANDO, FLORIDA 32817 P: 407.677.5565 F: 407.730.2999 WWW.ASEIICORP.COM

STRUCTURAL ENGINEER

NICHOLAS PAUL GEISLER, ARCHITECT AR0007005 LAKE CITTY, FLORIDA 32055 P: 386.365.4355 npgeisler47@gmail.com

CHRISTOPHER A. GMUER, PE GMUER ENGINEERING, LLC 2603 NW 13TH ST BOX 314 GAINESVILLE, FL32609

MORPHEUS GROUP 404 NW HALL OF FAME DRIVE LAKE CITY, FL 32055

MEP GREEN DESIGN & BUILD 17047 EL CAMINO REAL, SUITE 211, HOUSTON, TX 77058 P: 281-786-1195 WWW.MEPGREENDESIGNS.COM

MEP ENGINEER

REVISIONS COURTYARD® Marriotta 30% SET 90% SET 09.14.2018 11.20.2018

COURTYARD INN,° Lake City, Florida

PROJECT NAME

BUILDING CODE SUMMARY

DATE 07 DEC 2021
PROJECT NUMBER 2K2101
DRAWING NUMBER

A-002

PAGE NUMBER 02
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LOBBY AREAS - BUSINESS LIBRARY	SCHEDS	OVERALL BUILDING SITE & LANDSCAPE	INFO
300 301 302 310 320 321 322 323 323 324 325 326 340 341	230 230 231 240 241 242	100 110 111 112 113 114 115 120 200 201 201 203 203 205 206 207 210 211 212 213 221	Sheet Number 001 002 003 004 005 006 006 007 008 009 012 013 014 015 021 022
300-LOBBY AREAS 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21	10/01/21 230-SCHEDULES 10/01/21 10/01/21 10/01/21 10/01/21	100-SITE & LANDSCAPE 10/01/21	OPT. Date OPT. Date OOO-GENERAL INFORMA 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21 10/01/21
LOBBY AREAS - PLAN LOBBY AREAS - FCP LOBBY AREAS - FURNITURE AND FINISH PLAN LOBBY AREAS - ELEVATIONS RECEPTION WELCOME PEDESTALS MEDIA PODS GOBOARD AREA QUICK PRINT COMMUNITY TABLE TV DISPLAY LOBBY AREAS - DETAILS LOBBY AREAS - CEILING DETAILS PUBLIC RESTROOMS	DOOR SCHEDULE AND DETAILS WINDOW SCHEDULE AND DETAILS STC DIAGRAM STC DIAGRAM STC DIAGRAM	E SITE PLAN PORTE COCHERE/ENTRY LOGGIA/ENTRY TRELLIS-PLAN & RCP PORTE COCHERE/ENTRY LOGGIA/ENTRY TRELLIS - SECTIONS EXTERIOR COURTYARD LOGGIA/TRELLIS BUILDING CANOPIES EXTERIOR COURTYARD FIRE PIT PORTE COCHERE SITE DETAILS G FIRST FLOOR/LOBBY LEVEL PLAN SECOND FLOOR PLAN THIRD - FIFTH FLOOR PLAN ROOF PLAN ROOF PLAN FIRST FLOOR RCP EXTERIOR PERSPECTIVES EXTERIOR ELEVATIONS EXTERIOR WALL PROFILES EXTERIOR WALL PROFILES EXTERIOR WALL PROFILES EXTERIOR WALL PROFILES	Revision Date Sheet Name COVER SHEET CODE SUMMARY DRAWING INDEX GENERAL NOTES AND LEGENDS UL UL UL UL UL UL UL LIFE SAFETY PLAN LIFE SAFETY PLAN LIFE SAFETY PLAN
00-G6-300-C-Lobby Level Pln 00-G6-301-C-Lobby Level RCP 00-G6-302-C-Lobby Areas Furn and Finish Pln 00-G6-310-C-Lobby Areas- Elevations 00-G6-320-C-Reception 00-G6-321-C-Welcome Pedestals 00-G6-322-C-Media Pods 00-G6-323-C-GoBoard Area 00-G6-324-C-Quick Print 00-G6-326-C-TV Display 00-G6-341-C-Lobby Areas Ceiling Dtls 00-G6-350-C-Public RR	00-G6-222-C-Partition Types 00-G6-230-C-Door Sched_Dtls 00-G6-231-C-Window Sched_Dtls 00-G6-240-C-STC Diagram 00-G6-241-C-STC Diagram 00-G6-242-C-STC Diagram	00-G6-100-C-Site Pln 00-G6-111-C-Porte Cochere_Entry Loggia_Entry Trellis 00-G6-1112-C-Courtyard Loggia_Trellis 00-G6-113-C-Building Canopies 00-G6-114-C-Exterior Courtyard 00-G6-114-C-Exterior Courtyard 00-G6-115-C-Fire Plt 00-G6-200-C-First Flr_Lobby Level Pln 00-G6-201-C-Second Flr Pln 00-G6-203-C-Roof Plan 00-G6-205-C-I-1 st Flr RCP 00-G6-205-C-I-1 st Flr RCP 00-G6-210-C-Exterior Perspectives 00-G6-212-C-Exterior Elevs 00-G6-212-C-Exterior Elevs 00-G6-213-C-Building Sections 00-G6-221-C-Exterior Wall Profiles 00-G6-221-C-Exterior Wall Profiles	CAD File Name 00-G6-001-C-Cover Sheet 00-G6-002-C-Code Summary 00-G6-003-C-Drawing Index 00-G6-005-C-UL 00-G6-006-C-UL 00-G6-007-C-UL 00-G6-009-C-UL 00-G6-012-C-ADA NOTES 00-G6-004-C-Area Pln- 1st Fir 00-G6-004-C-Area Pln-2nd Fir 00-G6-021-C-Life Safety Plan 00-G6-022-C-Life Safety Plan

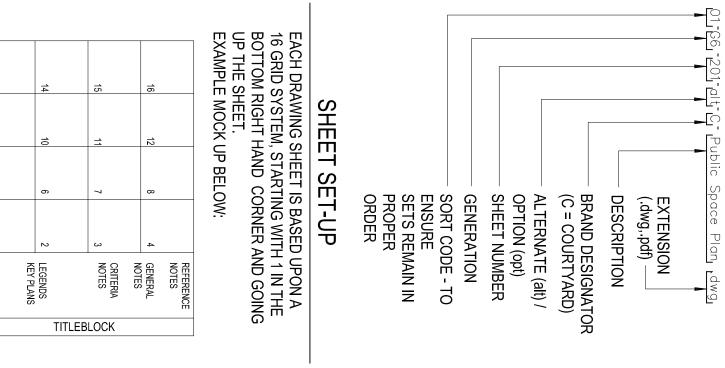
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BOH LAUNDRY & EQUIPMENT	ADMINISTRATION AREA	EMPLOYEE BREAK ROOM				ACCESSIBLE ROOM & SUITE BATHROOM LAYOUT (TUB)	ACCESSIBLE ROOM BATHROOM LAYOUT (ROLL-IN SHOWER)	STANDARD ROOM & SUITE BATHROOM LAYOUT (TUB)	STANDARD ROOM & SUITE BATHROOM LAYOUT (SHOWER)	GUESTROOM CLOSET DETAILS	GUESTROOM DETAILS	ACCESSIBLE QUEEN/QUEEN GUESTROOM	KING SUITE GUESTROOM	ACCESSIBLE KING GUESTROOM	STANDARD KING GUESTROOM		ELEVATOR SHAFT SECTION	TYPICAL STAIR DETAILS	GUEST LAUNDRY/ ICE DISPENSER AREA & EQUIPMENT	ELEVATOR LOBBY	GUESTROOM CORRIDOR/ GUESTROOM SUPPORT	& SIPPORT	MEETING ROOM	THE MARKET EQUIPMENT	THE MARKET - DETAILS	THE MARKET	OUTDOOK FOOL OF HON	R DETA	FITNESS CENTER			FOOD PREP EQUIPMENT	EOOD BRED	BAR/ BIGTRO FOLLIBMENT	BAR/BISTRO - DETAILS	BAR/BISTRO - ELEVATIONS	BAR/ BISTRO - PLAN & RCP	Ollegt Maille		
00-G6-620-C-BOH Laundry RCP	00-G6-610-C-Administration Area	00-G6-600-C-Employee Break Room				00-G6-563-C-Acc Room_Suite Bathroom Layout_Tub		00-G6-561-C-Std Room_Suite Bathroom Layout_Tub	00-G6-560-C-Std Room_Suite Bathroom Layout_Shower	00-G6-551-C-GR Closet Dtls	00-G6-550-C-GR Dtls	00-G6-531-C-Acc QQ GR	00-G6-523-C-King Suite GR	00-G6-522-C-King Suite GR	00 C6 F31 C King Mod CB		00-G6-512-C-Elevator Snatt Section	00-G6-511-C-Typical Stair Dtls	00-G6-502-C-Guest Laundry_Ice Dispenser Area	00-G6-501-C-Elevator Lobby	00-G6-500-C-GR Corridor_GR Support		00-G6-450-C-Meeting Room	00-G6-442-C-The Market Equip	00-G6-441-C-The Market	00-G6-440-C-The Market	00-G6-430-opt-C-Outdoor Foot	00-G6-421-C-Fitness Center Dtls	00-G6-420-C-Fitness Center		00-G6-412-C-Food Prep Equip	00-G6-411-C-Food Prep Equip	00-G6-410-C-Food Pren	00 C6 101 C Bistro Bar Farin	00-G6-402-C-Bistro Bar_Dtls	00-G6-401-C-Bistro Bar_Elevs	00-G6-400-C-Bistro Bar_Pln_RCP	CAD Flie Name		

000 - GENERAL NFORMATION
100 - SITE & LANDSCAPE
200 - OVERALL BUILDING PLANS, BUILDING
EXTERIOR, AND SCHEDULES
300 - PUBLIC SPACES (LOBBY AREAS,
BUSINESS LIBRARY)
400 - PUBLIC SPACES (FOOD & BEVERAGE,
RECREATION, RETAIL, MEETING SPACES)
500 - GUESTROOMS, GUESTROOM CORRIDORS
600 - EMPLOYEE AREAS, ADMINISTRATION, BOH
& SUPPORT LAUNDRY
700 - CRITERIA PLANS THE FOLLOWING IS AN OUTLINE OF THE GENERAL NUMBERING CRITERIA: THE SHEET NUMBERING ORDERS THE SET INTO SECTIONS BASED ON DRAWING TYPE. FILE NAMING

ALL DRAWINGS, SPECIFICATIONS, PLANS, IDEAS, ARRANGEMENTS AND DESIGNS REPRESENTED OR REFERRED TO ARE THE PROPERTY OF JCER DESIGN CONSULTANTS WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THEY ARE CREATED, EVOLVED, DEVELOPED AND PRODUCED SOLELY FOR USE ON AND IN CONNECTION WITH THIS PROJECT AND MAY NOT BE DISCLOSED OR GIVEN TO OR USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY USE OR PURPOSE WHATSOEVER, EXCEPT UPON WRITTEN PERMISSION AND DIRECTION OF N. P. GEISLER, ARCHITECT

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MEP GREEN DESIGN & BUILD 17047 EL CAMINO REAL, SUITE 211, HOUSTON, TX 77058 P: 281-786-1195 WWW.MEPGREENDESIGNS.COM

COURTYARD®

Marriott®

REVISIONS

30% SET 90% SET

09.14.2018 11.20.2018

MEP ENGINEER

PROJECT NAME	DRAWING INDEX AND GENERAL INFORMATION	DRAWING NAME		

COURTYARD INN, Lake City, Florida

A-003

PAGE NUMBER 03
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DATE 07 DEC 2021

PROJECT NUMBER 2K2101

DRAWING NUMBER

XH

Nicholas P. Geisler DN: CN = Nicholas P. Geisler DN: CN = Nicholas P. Geisler email = npgeisler47@gmail .com C = US O = P. Nicholas P. Geisler Date: 2021.12.23 13:55:58 -05'00' ্ as P.⊿

ΕWΗ SCU \exists VTAC PTAC AHU-1 MECHANICAL ABBREVIATIONS PLUMBING ABBREVIATIONS EXHAUST FAN RECESSED MOUNTED ELECTRIC WALL HEATER THROUGH THE WALL UNIT VERTICAL TERMINAL AIR CONDITIONER WITH HEAT SELF-CONTAINED HVAC UNIT POOL ROOM ENVIRONMENTAL CONTROL UNIT. UNIT TO PROVIDE HEATING COOLING, DEHUMIDIFICATION AND POOL WATER HEATING. UNIT SHALL BE MANUFACTURED SPECIFICALLY FOR THIS PURPOSE. SUPPLY WITH MATCHING ACCU. THROUGH THE WALL UNIT PACKAGE TERMINAL AIR CONDITIONER WITH HEAT UNIT HEATER ST FWH DAH EYE MOP FS H FD NNX VTR RD < CO MECHANICAL LEGEND **PLUMBING** EXHAUST FAN / LIGHT COMBO LINEAR DIFFUSER RETURN AIR GRILLE OR REGISTER SUPPLY AIR GRILLE OR REGISTER FLOOR SINK FLOOR DRAIN LINT INTERCEPTOR WALL HYDRANT WALL HYDRANT FREEZELESS WALL HYDRANT EYE WASH MOP SINK FLOOR SINK HUB DRAIN FLOOR DRAIN ROOF DRAIN VENT THROUGH ROOF CLEAN OUT EGEND PP PR P PR DDS $\bigcap_{i=1}^{n}$ GFI⊕ \bigoplus ELECTRICAL LEGEND \bigcap ELECTRICAL LEGEND -

LOCAL LIGHTING SWITCH, 3-WAY

LOCAL LIGHTING SWITCH - SUBSCRIPT DENOTES ITEM CONTROLLED

MASTER SWITCH

KEYED SWITCH

MOTOR CONNECTION

NON-FUSED DISCONNECT SWITCH, SIZE AND NUMBER OF POLES AS NOTED.

CIRCUIT BREAKER PANELBOARD SURFACE MOUNTED, 600 V. MAX.

RACEWAY AND WIRING, CONCEALED IN WALL OR ABOVE CEILING EXCEPT IN UNFINISHED AREA. JUNCTION, PULL OR TAP BOX, CEILING, WALL OR FLOOR MOUNTED

POWER

DETAIL NO.

BUILDING SECTION REFERENCE

SHEET NO.

DIMMER SWITCH WITH UNITIZED COVER

8

ARCHITECTURAL

(for PDFs ONLY):

CRITERIA NOTE COLOR CODE

CHANGE BULLETIN NO.

\\$/

INTERIOR DESIGN

TIMER SWITCH

ELEVATION REFERENCES DETAIL NO. SHEET NO. ELEV. NO. INTERIOR ELEVATION REFERENCE EXTERIOR ELEVATION REFERENCE (m) 2 (3)

DETAIL REFERENCES

DETAIL NO.

DETAIL REFERENCE

SHEET NO.

PENDANT LIGHT - SEE PLANS FOR CONFIGURATION & SIZE

RECESSED LIGHTING FIXTURE - ROUND

RECESSED LIGHTING FIXTURE - SQUARE

WALL MOUNTED LIGHT FIXTURE

LINEAR LIGHTING FIXTURE - SEE PLAN FOR CONFIGURATION & SIZE

1' x 4' RECESSED LIGHTING FIXTURE

2' x 4' RECESSED LIGHTING FIXTURE

 $2' \times 2'$ RECESSED DIRECT/ INDIRECT LIGHTING FIXTURE

 $2' \times 2'$ RECESSED LIGHTING FIXTURE

LIGHTING

DRAFTING LEGEND

SPEAKER

LED COVE LIGHTING STRIP FIXTURE

TRACK W/ ADJUSTABLE TRACK HEADS

SHEET NO.

WINDOW TYPE

DOOR NUMBER REFERENCE

- PROTOTYPE (BASE) DESIGN: 4 (see alternates & options for

4-STORY, 125 GUESTROOM UNIT, NO POOL or additional scope)

BASIS

9 P

DESIGN

ACOUSTIC PARTITION REFERENCE

4 DATUM ELEVATION COLUMN GRID NUMBER

3421

318 FINISH TAG; REFER TO THE IFI WITHIN THE DESIGN GUIDE PROJECT MANUAL MASTER.

FURNISHING REFERENCE NO.; REFER TO THE INTERIOR DESIGN SPECIFICATION MANUAL.

 \bigcirc_{6}^{R} LIGHT FIXTURE MARK NO. , TYPICAL. SEE LIGHT FIXTURE MATRIX IN DESIGN GUIDE PROJECT MANUAL MASTER

8'-8" LOBBY SNK-04 **ROOM NAME** CEILING HEIGHT - ABOVE FIN. FLOOR PLUMBING FIXTURE MARK NO., TYPICAL. SEE PLUMBING FIXTURE MATRIX IN DESIGN GUIDE PROJECT MANUAL MASTER

REVISION NUMBER REFERENCE

REVISION NO.

REVISION NUMBER REFERENCE

IBC 2012

BATHROOM ACCESSORY MARK NO.; SEE TOILET & BATH ACCESSORY MATRIX IN THE DESIGN GUIDE PROJECT MANUAL MASTER SECTION 10800. 2010 ADA REGULATIONS

PURPOS П OF. THESE DRAWINGS

-THESE DWGS ARE PREPARED FOR USE BY THE OWNER/FRANCHISEE AND THEIR ARCHITECT/ENGINEERS AS A REPRESENTATION OF THE DESIGN CRITERIA FOR THE DEVELOPMENT OF A "COURTYARD BY MARRIOTT" HOTEL PROJECT. THESE DRAWINGS ARE NOT INTENDED TO BE USED FOR CONSTRUCTION, BUT ONLY AS A GUIDE FOR THE DESIGN PROFESSIONALS AS THEY PREPARE THE CONSTRUCTION DOCUMENTS.

-THE OWNER 'S /FRANCHISEE 'S CONSULTING ARCHITECT, ENGINEERS AND OTHER DESIGN PROFESSIONALS SHALL BE RESPONSIBLE FOR VERIFYING AND COMPLYING WITH ALL APPLICABLE LAWS, COVENANTS, CODES, ORDINANCES, RULES, REGULATIONS, RESTRICTIONS, ETC. WHICH IMPACT THE DEVELOPMENT AND USE OF THE HOTEL. THE DESIGN PROFESSIONALS SHALL PAY CLOSE ATTENTION TO THE REQUIREMENTS OF THE FEDERAL ACCESSIBILITY LAW, AMERICANS WITH DISABILITIES ACT, AS WELL AS ALL LOCAL AND STATE ACCESSIBLITY REGULATIONS.

MARRIOTT STANDARD DETAIL - THE OWNER'S/FRANCHISEE'S CONSULTING ARCHITECT AND ENGINEERS SHALL BE RESPONSIBLE FOR COMPLYING WITH THE MARRIOTT INTERNATIONAL (MI) FIRE PROTECTION AND LIFE SAFETY DESIGN STANDARDS AND SUBMITTALS, AS WELL AS ALL FIRE PROTECTION GOVERNING LAWS, CODES, REGULATIONS. SHOULD MIDESIGN STANDARDS EXCEED OR BE MORE STRINGENT THAN GOVERNING LAWS, CODES AND REGULATIONS, THEN MIDESIGN STANDARDS TAKE PRECEDENCE. IF GOVERNING REQUIREMENTS CONFLICT WITH MI'S DESIGN STANDARD, CONTACT MARRIOTT FIRE AND LIFE SAFETY FOR RESOLUTION.

SN П 9 P 로 ESE **DRAWINGS**

- THIS DESIGN GUIDELINE DRAWING SET IS STRUCTURED AS A "KIT OF PARTS", OUTLINING ESSENTIAL COMPONENTS OF THE BUILDING. THE DRAWINGS REFLECT THE BASE OR STANDARD BUILDING AND PROVIDE ALTERNATES AND OPTIONS (SEE ALT/OPT MATRIX ON SHT 002) FORSTHE OWNER

- TO ADDRESS ADDITIONAL INFORMATION, A NOTATION SYSTEM HAS BEEN INCLUDED WITH THE CRITERIA NOTES COLOR-CODED BY DISCIPLINE (PDFs ONLY). REVIEW OF ALL NOTES (GENERAL, REFERENCE, AND CRITERIA) IS A VITAL PART TO GATHERING COMPLETE INFORMATION FOR ANY PART WITHIN THE "KIT". REFERENCE NOTES DIRECT THE ARCHITECT TO IMPORTANT DOCUMENTS CONTAINING RELATED INFORMATION AND/OR OTHER CRITICAL DOCUMENTS THAT FORM THE OVERALL DESIGN GUIDELINE COMPONENTS.

THE DESIGN GUIDELINE DRAWING SET IS PROVIDED IN AUTOCAD 2010 FORMAT.

- FIRE PROTECTION SYSTEMS MAY BE PREPARED BY A DESIGN/BUILD SUBCONTRACTOR IF PERMITTED BY THE LOCAL AUTHORITIES HAVING JURISDICTION.

POOL/SPA SYSTEMS MAY BE PREPARED BY A QUALIFIED DESIGN/BUILD POOL CONTRACTOR.

HATCH LEGEND

GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE, 20A, 125V, 3W., NEMA 5-20R.

HOUSE TELEPHONE OUTLET, FLUSH WALL MOUNTED.

TV OUTLET, FLUSH MOUNTED.

DATA / TELEPHONE OUTLET, FLUSH WALL MOUNTED.
TELEPHONE OUTLET, FLUSH WALL MOUNTED.

\<mark>8</mark>\

STRUCTURAL

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LANDSCAPE

FOOD SERVICE / LAUNDRY

\ \S\

ENGINEERING

DUPLEX RECEPTACLE, 20A 125V.,3W., WALL MOUNTED NEMA 5-20R.

STEEL PLASTER, SAND, CEMENT, GROUT WOOD FINISH CONCRETE MASONRY UNITS (CMU) POROUS FILL (STONE OR GRAVEL, SUB BASE, ETC.) GYPSUM WALL BOARD ACOUSTICAL TILE RIGID INSULATION **INSULATION (LOOSE OR BATT)** WOOD SAWN (BLOCKING) WOOD SAWN (CONTINUOUS) PLYWOOD MARBLE EXPANDED POLYSTYRENE (EPS); EIFS CUT STONE, CAST STONE **BRICK (COMMON OR FACE)** STRUCTURAL CONCRETE (CAST IN PLACE, OR PRECAST) ALUMINUM

> - DIMENSIONS BASED ON WOOD FRAME CONSTRUCTION. ALL DIMENSIONS ARE TO FACE OF PARTITION UNLESS NOTED OTHERWISE. HOLD ALL CLEAR INTERIOR DIMENSIONS. - WOOD FRAME STRUCTURE PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM.

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OURIYARD Marriotte

(Z)

REVISIONS

DRAWING NAME

GENERAL NOTES

- THE DESIGN STANDARDS, A PART OF THE DESIGN GUIDELINE COMPONENTS, ADDRESS MARRIOTT REQUIREMENTS FOR THE ENTIRE HOTEL PROJECT. CHAPTERS CONTAINING SPECIFICALLY RELATED INFORMATION ARE REFERENCED ON INDIVIDUAL DRAWING SHEETS, BUT THE PROJECT ARCHITECT IS RESPONSIBLE FOR DESIGNING THE PROJECT IN ACCORDANCE WITH THE ENTIRE DESIGN STANDARDS.

DESIGN

STANDARDS

- ENGINEERING REQUIREMENTS ARE DETAILED IN THE DESIGN STANDARDS, MECHANICAL, PLUMBING AND ELECTRICAL CHAPTERS AND ARE NOT REPEATED IN THE DESIGN GUIDELINE DRAWING SET.

REFER TO DESIGN STANDARDS - GENERAL REQUIREMENTS - FOR PROCESS AND ACCEPTANCES.

SUB

MITTALS

INTERCOM

CARD READER

SYNTHETIC MARBLE

PUSH BUTTON FOR DOOR SIGNAL

2-GANG BOX WITH TRANSFORMER FOR DOOR SIGNAL

DOOR SIGNAL DISCONNECT SWITCH MTD

CEILING MOUNTED SOUND SYSTEM SPEAKER

CLOCK OUTLET

MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM

SPECIAL OUTLET 1~-208V-30A

SPECIAL OUTLET 1~-208V-20A

FLUSH FLOOR RECEPTACLE 20A, 125V, $3\mathrm{W}$ - PROVIDE COVER FOR FLOOR TYPE.

RECEPTACLE - 250V - 2 POLE FOR PTAC UNITS IN GUEST ROOMS.

ISOLATED GROUND DUPLEX RECEPTACLE, 20A,125V, 3W, WALL MOUNTED, ORANGE IN COLOR.

TAMPER SWITCH

SPECIAL SINGLE RECEPTACLE

DOUBLE DUPLEX RECEPTACLE, 20A. 125V. 3W., WALL MOUNTED NEMA 5-20R.

SECURITY CAMERA

WIRELESS ACCESS POINT

DURESS ALARM BUTTON

DOOR RELEASE

THERMOSTAT

COURTYARD INN, Lake City, Florida

SEAL+SIGNATURE

PROJECT NUMBER **P** 004

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PAGE NUMBER

07 DEC 2K2101

Design No. U423 BXUV.U423 Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

Certified products, equipment, system, devices, and materials.

Authorities Having Jurisdiction should be consulted before construction.

Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.

When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.

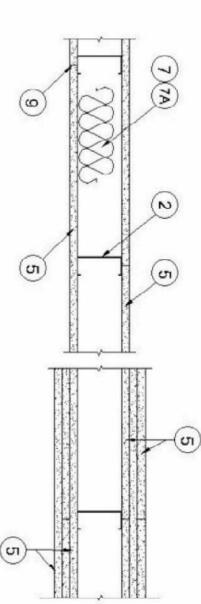
Only products which bear UL's Mark are considered Certified.

BXUV7 - Fire Resistance Ratings -BXUV - Fire Resistance Ratings -CAN/ULC-S101 Certified for Canada **ANSI/UL 263**

Design No. U423

3/4 Hr, 1, 1-1/2 or 2 Hr (See

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7 bear the UL or cUL Certification Mark for jurisdictions as Canada), respectively.



Steel Studs — Min 0.0329 in., bare metal thickness (No. 20 MSG) corrosion-protected steel studs, min 3-1/2 in. de, cold formed, designed in accordance with the current edition of the Specification for the Design of Cold-Formed real Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural tegrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel studesigner and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing all not exceed 24 in. Oc. Studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both designed in accordance with the AISI specifications. Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1, For Use With Item 5A and 5C) — Channel ped runners min 3-1/2 in, deep with 1-1/4 in, flanges fabricated from min No. 20 NSG corrosion-protected steel, ached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in, OC.

. **Steel Studs** — (As an alternate to Item 2, For use with Item 5A, 5C, 5D, and 5E) — Channel shaped, fabricated im min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min wdth, min 1-1/2 in. flanges and 1/4 in. return, aced a max of 16 in. CC. Studs friction-fit into floor and ceiling runners.

2B. Steel Studs — (As an alternate to Item 2 and 2A, For Use With Item 5B) — Nin 0.0329 in., (No. 20 MSG) corrosion-protected cold formed steel studs, min 3-1/2 in. deep by 1-5/8 in. wide with 1/2 in. returns. Braced at midheight and designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhaning the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable Iccal code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.

Framing Members - Steel Studs — (As an alternate to Item 2, For use with Item 5C) — Channel shaped, ricated from min 20 NSG (0.0327 in. thick) corrosion-protected or galv steel, 3-1/2 in. min width, m n 1-1/2 in. ges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut to 3/4 in. less than assembly height.

Lateral Support Members — (Not shown) — Where required for lateral support of studs, support shall be provided means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall

Wood Structural Panel Sheathing — (Optional, For use with Item 5 only) — (Not Shown) — 4 ft wide, 7/16 in. tick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC P51 or P52, APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical rits centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-illing tapping screws with a min. head diam. of 0.252 in. at maximum 6 in. OC. in the perimeter and 12 in. CC. in a field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels preased by min. 1/2 in.

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Nin	1 layer, 1/2 in. thick	100
1 hr	1 layer, 5/8 in. thick	100
1-1/2 hr	2 layers, 1/2 in. thick	100
2 hr	2 layers, 5/8 in. thick	08
2 hr@	2 layers, 5/8 in. thick	100
2 hr	3 layers, 1/2 in. thick	100
7 6.	doing all NE share C	001

CGC INC — 1/2 in. thick Type IP-X2, IPC-AR, C, WRC, or, 5/8 in. thick Type X2, IPC-AR, ULX, or WRC; 3/4 in. thick Types AR, IP-AR, IP-X3, ULTRACODE

MEXICO S A DEC V — 1/2 in. thick Type C, IP-X2, :PC-AR, WRC; 5/8 in. thick Type AR, SCX, SHX, ULX, WRX or WRC; 3/4 in. thick Types AR, IP-AR, IP-X3, ULTRACODE

5A. **Gypsum Board*** — (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A, 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12) or Lead Discs or Tabs (see Item 13).

UNITED STATES GYPSUM CO - 1/2 in. thick Type C, IP-X2, IPC-AR, or WRC; 5/8 in. AR, IP-X1, IP-X2, IPC-AF, SCX, SGX, SHX, ULX, WRX, or WRC; 3/4 in. thick Types AR USG BORAL ZAWAWI DRYWALL LLCSFZ - 1/2 in. Type C; 5/8 in. Types C, SCX, U in. thick Type AR, C, FRX-G, IP-AR, IP-AR or IP-X3, ULTRACODE

UNITED STATES GYPSUM CO

5C. **Gypsum Board*** — (As an alternate to Item 5 vattachment only, not to be used with Item 4) — Norror tapered edges, applied vertically. Vertical joints cesides of studs. Wallboard secured to studs with 1-1/4 driller) steel screws spaced 8 in. OC at perimeter and ENGLAND LEAD BURNING CO INC, DBA NEL hen used as the base layer on one or both sides of wal, For direct nal 5/8 in. thick lead backed gypsum panels with beveled, square kered over studs and staggered min 1 stud cavity on opposite in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine 12 in. OC in the field.

5D. **Gypsum Board*** — (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) — Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 NSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type 5-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12A) or Lead Discs (see Item 13A).

5E. **Gypsum Board*** — (As an alternate to Item 5 whe attachment only, not to be used with Item 4) — Nom 5, Wallboard Protection on Each Side of Wall table. Nom 5, square or tapered edges, applied vertically. Vertical join cavity on opposite sides of studs. See Items 1A, 2A 8, 8 steel screws spaced 8 in. OC at perimeter and 12 in. CC of lead backed gypsum wallboard and optional at remail long with a max thickness of 0.14 in. placed on the face and two 1 in. long Type S-12 pan head steel screws, on discs, nominal 3/8 in. diam by max 0.085 in. thick. Corrections of the seed of t

5F. **Gypsum Board*** — Gypsum panels with beveled Vertical joints centered over studs and staggered one be backed by steel framing. Horizontal edge joints an staggered. Horizontal edge joints and horizontal butt jother than 48 in., gypsum panels to be installed horizontal than 18 in., gypsum panels to be installed horizontal butt jother than 48 in., gypsum panels to be installed horizontal butt jother than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels to be installed horizontal butter than 48 in., gypsum panels that the butter than 48 in., gypsum panels that the butter than 48 in., gypsum panels that the butter than 48 in., gypsum panels to be installed horizontal butter than 48 in.

Rating	No. of Layers & Thkns of Panel	% of Design Load
. hr	1 layer, 5/8 in. thick	100
hr	2 layers, 5/8 in thick	80
	The second secon	

layers, 5/8 in. thick

@Rating applicable when

JNITED STATES GYPSU

6. Fasteners — (Not Shown) — For use with Item 5 - 1 or 1A) and stucs (Item 2 or 2A) or furring channels (Itei thick panels or 1-1/4 in. long for 3/4 in. thick panels, sp OC when panels are applied vertically. Two layer syste 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. S or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. 0 or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. of systems: First layer- 1 ir. long for 1/2 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. lor 6 in. from layer below.

Batts and Blankets* — (Required as indicated united between studs and runners. See Batts and Blaimpanies. Fasteners — (Not Shown) — For use with Item 5F- Type S or S-12 steel screws used to attach panels to studs on g charnels (Item 8). Single layer systems: 1 in. long screws, spaced 8 in. OC when panels are applied zontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically, layer systems: First layer- 1 in. long screws, spaced 16 in. OC. Second layer- 1-5/8 in. screws, spaced 8 in. OC screws offset 3 in. from first layer. ter Item 5 and 5F) — Nom 2 in. thick mineral wool batts, frinkets (BKNV or BZJZ) Categories for names of Classified

7A. Batts and Blankets* — (Optional, Not Shown) insulation bearing the UL Classification Marking as to and Blankets (BKNV or BZJZ) Categories for nam Batts and Blankets* — (Optional, Not Shown) sification Marking as to Surface Burning Characte Placed in stud cavities, any glass fiber or mineral wool Surface Burning Characteristics and/or Fire Resistance. See Batts es of Classified companies.

7C. **Fiber, Sprayed*** — (Optional) — As an alternate to Eatts and Biankets (Item 7) — Not for use with Items 8A or 8B) — Spray applied mineral wocl insulation. The fiber is applied with water to completely fill the endosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ). MERICAN ROCKWOOL MANUFACTURING, LLC

Furring Channels — (Optional on one or both sidering charnels fabricated from min 25 MSG corrosion rtion attached to each intersecting stud with 1/2 in gypsum panels and Item 5A or 5C. Steel Framing Members (Not Shown)* — (Optiona on one or both sides, not shown, for single or double layer (ems) — As an alternate to Item 8, furring channels and Steel Framing Members as described below: Jation bearing the UL
Batts and Blankets (BKNV or

a. Furring Channels — Formed of No. 2 7/8 in. deep, spaced max. 24 in. OC per described in Item b. Gypsum board attactuse with type FRX-G gypsum panels and b. Steel Framing Members* — Used to Clips spaced max. 48 in. OC., and secure S-12 steel screw through the center gror RSIC-1 clip for use with 2-9/16 in. wide 23/32 in. wide furring channels. b. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by perpendicular to studs. Channels secured to studs as tached to furring channels as described in Item 6. Not for nd Item 5A or 5C.

8B. Steel Framing Members* — (Not Shown) — (Opsystems) — As an alternate to Item 8, furring channels 25 MSG galv steel. 2-3/8 in. wice by 7/8 in. deep, to studs. Channels secured to studs as described in Item b. innels as described in Item 6. Not for use with type FRX-G

a. Furring Channels — Formed of No.: spaced max. 24 in. OC perpendicular to Gypsum board attached to furring chann gypsum panels and Itam 5A or 5C.
b. Steel Framing Members* — Used to max. 48 in. OC., and secured to studs we screw through the certer grommet. Furri to attach furring channels to studs (Item 2). Clips spaced with No. 8×1 -1/2 in. minimum self-drilling, S-12 steel rring channels are friction fitted into clips.

IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

IF AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:

YOU ARE A QUALIFIED CONTRACTOR AND OR SUBCONTRACTOR SECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.

YOU AGREE TO PROVIDE A COMPLETE DESIGN BUILD SOLUTION BASED ON THE ARCHITECTS INTENDED DESIGN FOR THIS PROJECT.

YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETE DAND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRED ANOTHER CONTRACTOR OR PRODUCT TO A YOUR RID MUST HAVE INCLUDED ANY DESIGN INFORMATION RAY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OR PLUMBING DRAWINGS; ALSO NOTE THESE DRAWINGS OR NOT.

S. AS AN EXAMPLE: ITEMS AND OR TASKS LIKE; FIRE CAJLK, DRAFT STOPS, FASTENERS, ANCHORS, ENBERMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY, ANY WORK NOT COMPLETED IN A TIME.Y MANNER, OR INCOMPLETE WORK WILL BE BILLED DISCRETION.

dry or premixed joint compound applied in two coats to joints and . wide, embedded in first layer of compound over all joints of oute nitted when gypsum boards are supplied with square edges.

dBatten Strips — (Not Shown, For Use With Item 5A) — Lead batten strips, min 1-1/2 in. wide, max 10 ft ha max thickness of 0.125 in. Strips placed on the nterior face of studs and attached from the exterior face of with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the ad batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten quired behind vertical joints of lead backed gypsum wallboard (Item 5A) and optional at remaining stud s. Required behind vertical joints.

ad Batten Strips — (Not Shown, for use with Item 5D) — Lead batten strips, 2 in. wide, max 10 ft long with ckness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. 8 par head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. 1. Type S-8 pan head steel screw at the top of the scrip. Lead batten strips to have a purity of 99.5% meeting and specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead gypsum wallboard (Item 6) and optional at remaining stud locations.

Shown, for use with Item 5D) — Max 5/16 in. diam by max 0.140 in. thick lead discs ered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Stades "B, C or D".

Lead Batten Strips — (Not Shown, For Use With Item SC) — Lead batten strips, 2 in. wide, max 10 ft long with thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. 3 S-8 par head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting Federal specification QQ-L-201f, Grade "C". Lead batter strips required behind vertical joints of lead backed gyps board (Item SC) and optional at remaining stud locations.

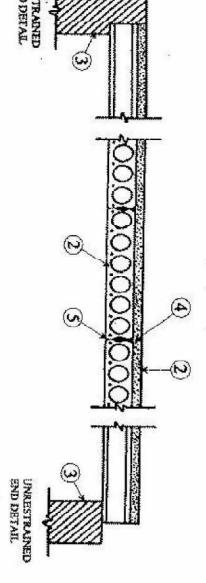
ω UL DESIGN- U423

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Design/System/Construction/Assembly Usage Disclaimer

BXUV - Fire Resistance

Design No. J905



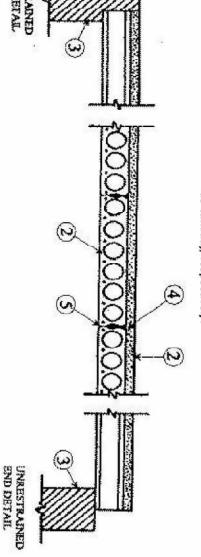
cUL Certification Mark for jurisdictions (such as Canada), respectively.

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ad Discs or Tabs — (Not Shown, For Use With Item 5A) — Used in lieu of or in addition to the lead batten stript or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or diver steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of meeting the Federal specification QQ-L-201f, Grade 'C".

For use with Item 1, Item 2 to 2C, of 1 hour. On one side of the wall, ov

Design No. J905 BXUV.J905 ance Ratings - ANSI/UL



Design No. U905 BXUV.U905 Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

NICHOLAS
PAUL
GEISLER

ARCHITECT Lake City, FL 32055
N.C.A.R.B. Certified 386/365-4355

risdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL uipment, system, devices, and materials.

risdiction should be consulted before construction.

blies and products are developed by the design submitter and have been investigated by UL for compliance with its. The published information cannot always address every construction nuance encountered in the field. It is recommended the first contact for assistance be the technical service staff provided by the product or the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate on.

Fire Resistance BXUV - Fire Resistance Ratings - ANSI/UL 263 Ratings - CAN/ULC-S101 Certified for Canada

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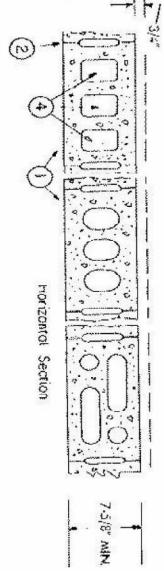
Design No. U905

Bearing Wall Rating — 2 HR.

d using a load design method other than the Limit States Design Method (e.g., Working Stress Design s employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide <u>BXUV</u> or <u>BXUVZ</u> shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

CHRISTOPHER A. GMUER, PE GMUER ENGINEERING, LLC 2603 NW 13TH ST BOX 314 GAINESVILLE, FL32609

MORPHEUS GROUP 404 NW HALL OF FAME DRIVE LAKE CITY, FL 32055



1 D-2 (2 hr).

. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members re framed in wall, plaster or stucco must be applied on the face opposite 'raming to achieve a max. Classification of -1/2 hr. Attached to concrete blocks (Item 1). slocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime lume). Vertical joints staggered. **rry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln repellant vermiculite masonry fill insulation, or silicone treatec perlite locse fill insulation add 2 hr to

TLAS ROOFING CORP

Option

Not Shown) -1-1/2 in. thick max, 4 ft wide she

MEP GREEN DESIGN & BUILD 17047 EL CAMINO REAL, SUITE 211, HOUSTON, TX 77058 P: 281-786-1195 WWW.MEPGREENDESIGNS.COM

COURTYARD®

Marriotte

MEP ENGINEER

ASE ENGINEERING SERVICES, INC. 10244 E COLONIAL DR, SUITE202 ORLANDO, FLORIDA 32817 P: 407.677.5565 F: 407.730.2999 WWW.ASEIICORP.COM

STRUCTURAL ENGINEER

NICHOLAS PAUL GEISLER, ARCHITECT AR0007005 LAKE CITTY, FLORIDA 32055 P: 386.365.4355 npgeisler47@gmail.com

ARCHITECT OF RECORD

eld Prc Wall Insulation" and "Ene

IRESTONE BUILDING PRODUCTS CO LLC — xterior Wall Insulation"

RMAX OPERATING L L C — Durasheath-3" "TSX-8500", "TSX-8510", "Th

REVISIONS

30% SET 90% SET

09.14.2018 11.20.2018

IMICAL CO — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty rmax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax erior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and Exterior insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and

5A. Building Units — As an alternate :o Items 5, min. 1-in thick polyisocya boards, nom. 48 by 48 or 96 in. RMAX OPERATING L L C — "Thermasheath-SI", "ECOBASEci", "ThermaBas ath-SI", "ECOBASEci", "ThermaBase-CI"

or cUL Certification Mark for jurisdictio (such as Canada), respectively.

UL DESIGN- U905

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UL DETAILS

COURTYARD INN, Lake City, Florida

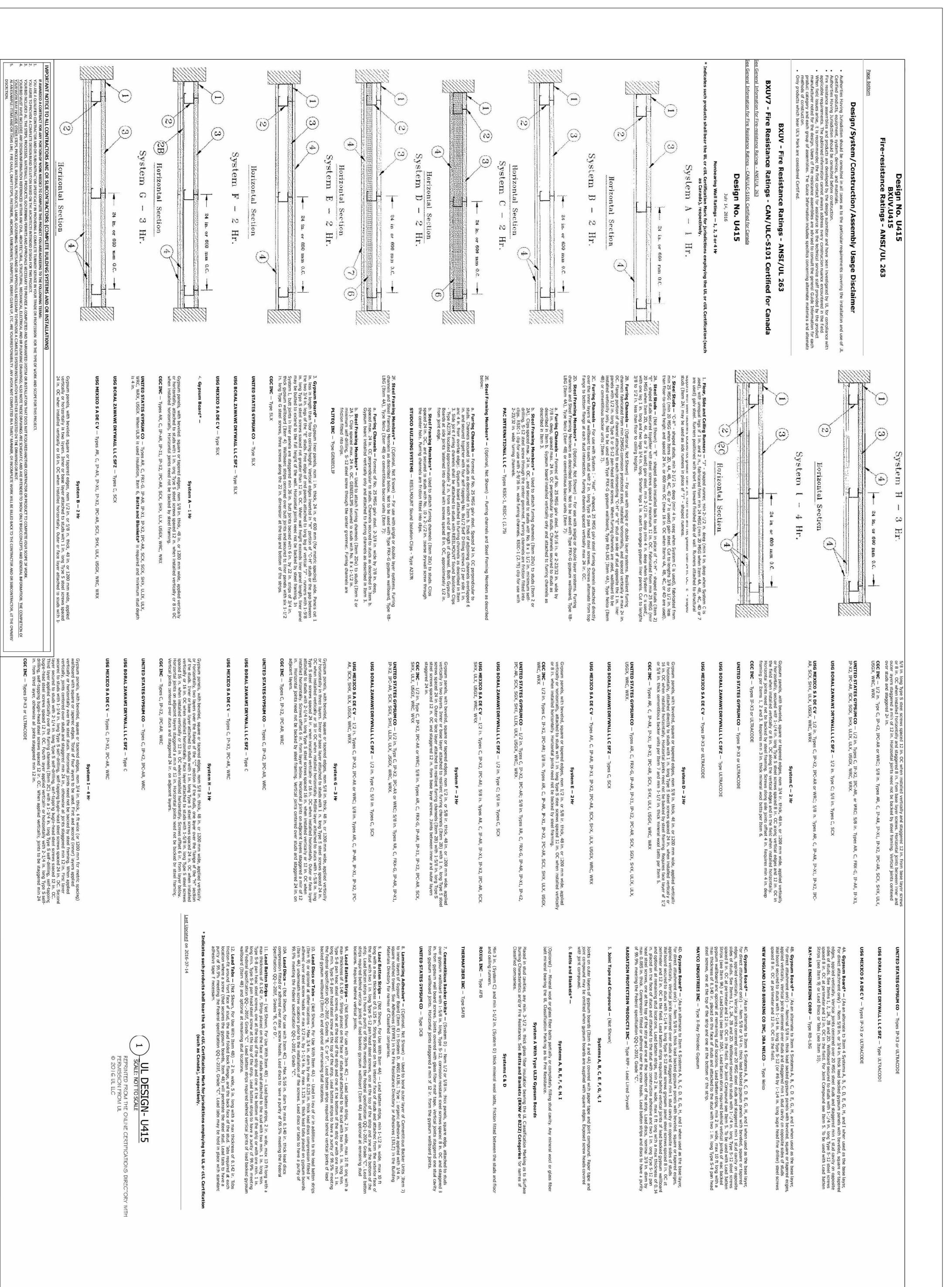
PROJECT NAME

SEAL+SIGNATURE DATE 07 DEC 2021
PROJECT NUMBER 2K2101
DRAWING NUMBER

PAGE NUMBER

A-005

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REVISIONS

30% SET 90% SET

09.14.2018 11.20.2018

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STRUCTURAL ENGINEER

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PAUL

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COURTYARD INI Lake City, Florida SEAL+SIGNATURE INN,® PROJECT NAME

UL DETAILS

PROJECT NUMBER 2K2101
DRAWING NUMBER
DECOR:

A-006

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada equipment, system, devices, and materials. Jurisdiction should be consulted before construction. Jurisdiction should be consulted before construction. emblies and products are developed by the design submitter and have been investigated by UL for compliance with ments. The published information cannot always address every construction nuance encountered in the field. arise, it is recommended the first cortact for assistance to the technical service staff provided by the product of for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each rid each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate prior. sign/System/Construction/Assembly Usage Disclaimer BXUV - Fire Resistance Ratings - ANSI/UL 263 Design No. U465 BXUV.U465 stance Ratings - ANSI Design No. U465 CRACO MFG INC

(2) **(4)**

Floor and Ceiling Runn m min No. 25 MSG galv ers* — Floor and Ceiling Runners — (Nct Shown) — As an alternate deep, attached to floor and ceiling with fasteners 24 in, OC, max. Channel shaped runners, 3-5/8 in deep (min), 1-1/4 in, and ceiling with fasteners spaced 24 in. OC max.

SOLIDATED FABRICATORS CORP, BUI

unners — Not Shown — [le by min 3-5/8 in. deep for the 24 in. OC max. In lieu of Item 1- For use with Item 2B, fabricated from min 0.020 in. thick galv stee

RACO MFG INC

MARINO/WARE, DIV OF WARE INDUSTRIES INC

 Floor and Ceiling Runners — (Not Shown) — For use MSG corrosion-protected or cally steel, min depth to accommand ceiling with fasteners spaced max 24 in. OC. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1C — For use with 12D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min .8 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. with Item 2C- Chanrel shaped, fabricated from min 20 mocate stud size, with mir 1 in. long legs, attached to flo

STEEL STRUCTURAL PRODUCTS LL C

1E. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1F. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

I.G. Framing Members* — Floor and Celling Runners — Not Shown tem 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, spaced 24 in. OC max. $-\operatorname{In}$ lieu of Items 1 through 1F $-\operatorname{For}$ attached to flcor and ceiling with faster

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabrica galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20TM Track VT100

l, min width min 0.02 in.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20¹⁷⁶ Track V7100

11. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from a attached to floor and ceiling with fasteners spaced 24 in. OC max. For use with Item 2H,
 min 0.020 in. thick galv ste

1). Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 — For use with Item 2 L, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel attached to floor and ceiling with fasteners spaced 24 in. CC max.

Steel Studs — Channel shaped, 3-5/8 in. deep (min), for ax. Studs to be cut 3/4 in. less than assembly height. Framing Members* — Steel Studs — As an alternate to Item 2 — Chan ced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

STEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

Steel Studs — Not Shown — In lieu of Item 2 — For 1-1/4 in, wide by min 3-5/8 in, deep fabricated from an assembly height.

2D. Framing Members* — Steel Studs — As an alternate to Items 2 through 2C — For use only, channel shaped studs, min 3-5/8 in. wide fatricated from min 0.018 in. thick galv steel, OC. Studs to be cut 1/2 in. less than assembly height. **Steel Studs** — (As an alternate to Item 2, For use with Irem 4E) — Channel shaped, fabrosior-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs fricting runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

NBA METAL FRAMING

2E. Framing Members* — Steel Studs — As an alternate to Items 2 through 2D channel snaped studs, min 3-5/8 in. wice fabricated from min 0.018 in. thick galv Studs to be cut 1/2 in. less than assembly height. STEEL STRUCTURAL PRODUCTS L L C

 Framing Members* — Steel Studs — As an shaped studs, min 3-5/8 in. wide fabricated from less than assembly height. alternate to Items 2 through 2E min 25 NSG steel, spaced a max

Framing Members* — **Steel Studs** — Not Shown — In lieu of Item 2 through 2F — For us prietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the

2H. Framing Members* — Steel Studs — Not Słown — In lieu of Item 2 — For use with Item shaped steel stucs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick gain less in length than assembly height.

 Framing Members* — Steel Studs — In lieu of Item 2 — For use with Item 1, channel shiftom min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs than assembly height. Steel Studs — In lieu of Irem 2 — For use with Item 1, channel sh protected steel, 3-5/8 in. ceep (min), spaced 24 in. OC max. Studs

2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1B channel snaped studs, fabricated from min 25 NSG corrosion-protected steel, 1-1/4 in. wide by a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRiteTM

21. **Framing Members*** — **Steel Studs** — As an alternate to Items 2 — For use with Item 11, min $3 \cdot 5/8$ in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. S less than assembly height.

See Batts and Blankets (BZJZ) ca 3A. Fiber, Sprayed* — As an alternate to Batts and cellulose material. The fiber is applied with water to application instructions supplied with the product with The fiber is applied without water or adhesive at a 1 instructions supplied with the product. ; and Blankets (Item 3) - (100% Borate Formur to completely fill the enclosed cavity in accord with a nominal dry density of 2.7 lb/ft³. Alternation a nominal dry density of 3.5 lb/ft³, in accordange

Fiber, Sprayed* — As an altemate to Batts and Elankets (Item 3) and Item 3A — Spray a lation material. The fiber is applied with water to interior surfaces in accordance with the applied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of

Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulo lied wth water to completely fill the enclosed cavity in accordance with the application instruduct. The minimum dry density shall be 4.30 lbs/ft³ MOGT CO INC

Batts and Blankets* — For use with Item 4P. Placed in stud cavities, any min. 3-1/2 in. the ulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire See Batts and Blankets (BKNV or BZIZ) Categories for names of Classified co Batts and Blankets* — For use with Item 8. Nom ween the studs and floor and ceiling runners.

AMERICAN GYPSUM CO

20 and

Gypsum Board* — (As an alternate to Items 4 through 4D) — Installed as described in Item 4. 5/8 in. thick, 41 e, paper surfaced, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws ced, 8 in. OC. Not to be used with item 6.

steel resilient channels spaced vertically max 24 in long type S-12 pan head steel screws. May not be

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 4. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each and of langth of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

Steel Framing Members* — Used to attach furring channels (Item 6Ca) to studs. Clips aced 24 in. OC., and secured to studs with No. 10×2 -1/2 in. coarse drywall screw through

NICHOLAS
PAUL
GEISLER

ARCHITECT Lake City, FL 32055
N.C.A.R.B. Certified 386/365-4355

les of eled, at A).

. **Gypsum Board*** — As an alternate to Items 4, 4A, 4E, and 4C — Two layers Nom. 5/16 in. thick gypsum panels piled vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be ggered or backed by steel framing. Horizontal joints on the same side need not be staggered. When applied izontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each of framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field, ggered 4 in. OC between layers. Screws spaced 8 in. OC along the top and bottom edges of the wall.

ALL DRAWINGS, SPECIFICATIONS, PLANS, IDEAS, ARRANGEMENTS AND DESIGNS REPRESENTED OR REFERRED TO ARE THE PROPERTY OF JCER DESIGN CONSULTANTS WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THEY ARE CREATED, EVOLVED, DEVELOPED AND PRODUCED SOLELY FOR USE ON AND IN CONNECTION WITH THIS PROJECT AND MAY NOT BE DISCLOSED OR GIVEN TO OR USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY USE OR PURPOSE WHATSOEVER, EXCEPT UPON WRITTEN PERMISSION AND DIRECTION OF N. P. GEISLER, ARCHITECT

6C. Steel below:

REVISIONS

09.14.2018 11.20.2018

eral and Fiber Board* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall, /2 in. thick, 4 ft wide with long dimension parallel and centered over studs, Attached to studs and floor and runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. quirec UL Classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and ts, Item 3D, and Adhesive, Item 11, are required.

ad Batten Strips — (Not Shown, for use with Item 4)) — Lead batten strips, 2 in, wide, max 10 ft long with a hidkness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min, 1 in. long min, 5-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min, 1 in. Inn. Type 5-8 pan head steel screw at the top of the strip, Lead batten strips to have a purity of 99.5% meeting deral specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead d gypsum wallboard (Item 41) and optional at remaining stud locations.

1. **Lead batten strips required behind vertical joints of lead d gypsum wallboard (Item 41) and optional at remaining stud locations.

2. **Lead batten strips required behind vertical joints of lead of gypsum wallboard (Item 41) and optional at remaining stud locations.

3. **Lead batten strips required behind vertical joints of lead batten strip strips over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead discs compression fitted or steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum obards of the screws. Lead discs or tabs to have a purity of meeting the Federal specification QQ-L-201f, Grade 'C". **d Discs** — (Not Shown, for use with Item 4J) — Max 5/16 in, diam by max 0.140 in, thick lead discs ion fitted or achered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Feceral con QQ-L-201f, Grades "B, C or D". — Not Shown — (For use with Item 8) — Corstruction grade adhesive applied in vertical, wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 8).

DRAWING NAME

UL DETAILS

the UL or cUL Certification Mark for juriso (such as Canada), respectively.

 \vdash

F AWARDED A CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

F AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECTYOU ARE AGREEING TO THE FOLLOWING TERMS:

YOU AREA QUALIFIED CONTRACTOR AND OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.

YOUR BID INCLUDED A COMPLETE DESIGN BUILD SOLUTION ASSED ON THE ACHITICIS INTENDED DESIGN FOR THIS PROJECT.

YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY FOR PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRED ANOTHER CONTRACTOR OR PRODUCT TO CONTRACTOR OR PRODUCT TO SHOW ONLY FOUR WORK MAY INCLUDED ANY DESIGN INFORMATION ARY COVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOTE.

SO AN EXAMPLE: ITEMS AND OR TASKS LIKE; FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDIMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY, ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BY

4P. Gypsum Board* — As an alternate to Item 4. For use with Item 3E, Batts and Blankets* — 5/8 in. :hick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type 5 steel screws spaced 8 in. OC. along edges of board and 12 in. CC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (resilient channels) or 6A, 6B or 6C (furring channels), gypsum board it screw attached to furring channels with 1 in. long, Type 5 steel screws spaced 12 in. OC. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — Nominal 1/2 in, thick, 4 ft vide panels, or optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with arufacturer's recommendations. When the QR-500 or QR-510 banel is installed between the steel framing and the UL assified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to stener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not valuated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

ABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510 Lead Batten Strips — (Not Shown, For Use With Item 4E) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long that max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the 1 with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip, ad batten strips to have a punity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten rips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Equired behind vertical joints. Steel Framing Members* — (Not Shnbers as described below: silient Channel — (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. ange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel scraws. May not be after them 4F or 43. : **Tape and Compound** — Vinyl, dry or premixed joint compourd, applied in two coats to joints and screw paper tape, 2 in. wide, embadded in first layer of compound over all joints. As an alternate, nominal 3/32 in. psum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. spe and joint compound may be omitted when grpsum boards are supplied with square edges. Framing Members* — Used to attach furring channels (Item a) to studs (Item 2). Clips acced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw rough the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use th 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels. **Steel Framing Nembers*** — Used to attact furring channels (Item 6Ca) to stucs. Clips aced 24 in. OC., and secured to studs with No. $10 \times 2 \cdot 1/2$ in. coarse drywall screw through Furring Channels — Formed of Vo. 25 NSG galv steel. Spaced 24 in. OC perpendicular to uds. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. d 4 in. from overlap edge). Gypsum board attached to furring channes as described in Item Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum lards at side joints fastened into channel with screws spaced 8 in. OC, approximately :/2 in. m joint edge. Steel Framing Nembers* — Used to attach furing channels (Item 6Ba) to studs (Item 2). ps spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum fi-drilling, 5-12 steel screw through the center grammet. Furring channels are friction fitted or cline. Furring Channels — Formed of No. 25 NSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 3 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in m b. Ends of adjoining channels are everlapped 6 in. and tied together with double strand of . 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining annels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing ews, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the annel. Furring Channels — Formed of Vo. 25 NSG galv steel. 2-3/8 in. wide by 7/8 in. deep, aced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item became board attached to furring channels as described in Item 4. INTERNATIONAL L L C - Ty

ASE ENGINEERING SERVICES, INC. 10244 E COLONIAL DR, SUITE202 ORLANDO, FLORIDA 32817 P: 407.677.5565 F: 407.730.2999 WWW.ASEIICORP.COM

STRUCTURAL ENGINEER

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ARCHITECT OF RECORD:

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P: 386.365.4355
npgeisler47@gmail.com

CHRISTOPHER A. GMUER, PE GMUER ENGINEERING, LLC 2603 NW 13TH ST BOX 314 GAINESVILLE, FL32609

. ENGINEER

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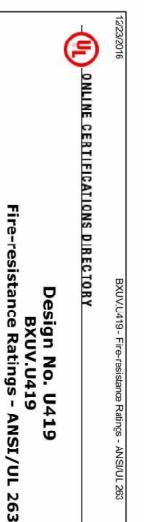
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PROJECT NUMBER 2K2101

A-007

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Design/System/Construction/Assembly Usage Disclaimer

Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of Ul Certified products, equipment, system, devices, and materials.

Authorities Having Jurisdiction should be consulted before construction.

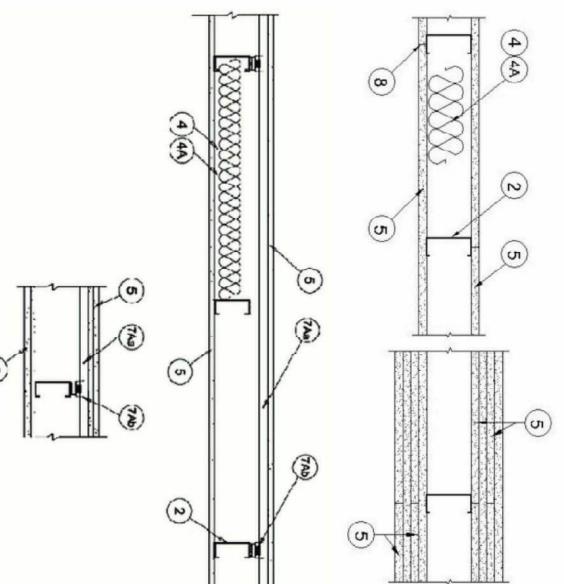
Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field. When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.

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BXUV7 - Fire Resistance Ratings -BXUV - Fire Resistance Ratings -CAN/ULC-S101 Certified for ANSI/UL 263 Canada

Design No. U419

UL or cUL Certification Mark for jurisdic as Canada), respectively. 1, 2, 3 or 4 Hr



Framing Members* – Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 28, prietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, prietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel sched to floor and ceiling with fasteners spaced 24 in. OC max.

Framing Members* — Floor and Ceiling Runners — (Nct Sinched to floor and ceiling with fasteners 24 in. OC. max.

NSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV

STEEL CONSTRUCTION SYSTEMS INC UNITED METAL PRODUCTS INC $- \mathsf{Typ}$

1D. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC. Framing Members* — Fbor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with 1s 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized if, attached to floor and ceiling with fasteners 24 in. OC. max.

IFCWBS LLC - PrcTRAK

IF AWARDEDA CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

IF AWARDEDA CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:

YOU AGREE TO PROVIDE A COMPLETE DESIGN BULD SOLUTION BASED ON THE ARCHITECTS INTENDED DESIGN FOR THIS PROJECT.

YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETE DAID MUST HAVE INCLUDED OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION THAT DOES NOT REQUIRED AND ARE INTENDED TO SHOW ONLY BAY YOUR WORK MAYINCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.

S. AS AN EXAMPLE: ITEMS AND OR TASKS LIKE; FIRECAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETE IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BAGE

DISCRETION.

1G. Framing Members* minimum width to accoming the properties. Floor and Ceiling Runner — For use nodate stud size attached to floor and ce

Floor and Ceiling Runners — (Not Shown) — Channel shaped accommodate stud size, with min 1 in. long legs, for use with standard or thicker, attached to floor and ceiling with fasteners spanning.

 Framing Members* – Floor and Ceiling Runners – (Not Sho Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare floor and ceiling with fasteners 24 in. OC. max. an alte

 Framing Members* – Floor and Ceiling Ruiproprietary channel shaped runners, 3-5/8 in. deep TELLING INDUSTRIES L L C – Viper25TM Track nner - Not Show
attached to floor

1K. Framing Members* — Floor and Ceiling Runner — Not Shown proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep attached to floor and ceiling with fasteners spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — M. Framing Members* — Floor and Ceiling Runners — Not Shem 20, proprietary channel shaped runners, min width to accommelling with fasteners spaced 24 in. OC max. . Framing Members* — Floor and Ceiling Runner — Not Shoroprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in settached to floor and ceiling with fasteners spaced 24 in. OC set, attached to floor and ceiling with fasteners spaced 24 in. OC

1N. Framing Members* — Floor and Ceiling Runners — Not Sh: Item 2P, proprietary channel shaped runners, min width to accomm: selling with fasteners spaced 24 in. OC max.

Steel Studs — (As an alternate to Item 2, For use with Items 5B, icated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in inn-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. Framing Members*-Steel Studs — (As an alternate to Item nel shaped studs, 3-5/8 in, deep spaced a max of 24 in, OC, Stinstalled with a 1/2 in, gap between the end of the stud and traypsum board only. Channel shaped, fabricated from min 25 MSG cornax of 24 in. OC. Studs to be cut 3/8 to 3/4 in. rosion-protected steel, min depth as indicated under iss than assembly height.

B, 5E, 5H, 5J and 5K) — Channel shaped,
In. min depth, spaced a max of 16 in. OC. Studs in. less than assembly height.

2, For use with Items 5C, 5I or 5K) — Proprietary uds to be cut 3/4 in less than the assembly height ck at the bottom of the wall. For direct attachment

MARINO/WARE, DIV OF WARE INDUSTRIES INC

2C. **Framing Members* — Steel Studs —** Not Shown — In lieu of min depth as incicated under Item 5, spaced a max if 24 in. OC, facut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO

2D. Framing Members* — Steel Studs — In lieu of Item 2 — Ch. Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less that

CD ProSTUD

2F. Framing Members* — Steel Studs — Not Shown — In lieu of minimum width indicated under Item 5, 1-1/4 in. deep fabricated figalvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assem

Framing Members* — Steel Studs — Not Shown — In lieu of imum width indicated under Item 5, Studs to be cut 3/8 to 3/4

Framing Members* — Steel Studs — (Not Shown, As an altanbare metal thickness) galvanized steel, spaced a max of 24 in

2I. Framing Members* — Steel Studs — (As an alternate to Iter Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of assembly height and installed with a 1/2 in. gap between the end direct attachment of gypsum board only.

Metal Studs -er Item 5, spac lengths than a own – c if 24 height

Steel Studs — As an Item 5, min 25 MSG galv max.

Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See Batts and Blankets (BKNV or BZIZ) Categories for names of Classified Batts and Blankets* — For use with Item 5K. Placed in stuc cavities, any min. 3-1/2 in lation bearing the UL Classification Marking as to Surface Burning Characteristics and/or For see Batts and Blankets (BKNV or BZIZ) Categories for names of Classified 3-1/2 in. thick glass fiber and/or Fire Resistance.

19, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
	3-1/2	1 layer, 5/8 in. thick	Optional
	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
	1-5/8	1 layer, 3/4 in. thick	Optional
	1-5/8	2 layers, 1/2 in. thick	Optional
	1-5/8	2 layers, 5/8 in. thick	Optional
	3-1/2	1 layer, 3/4 in. thick	3 in.
	1-5/8	3 layers, 1/2 in. thick	Optional
	1-5/8	2 layers, 3/4 in. thick	Optional
	1-5/8	3 layers, 5/8 in. thick	Optional
	1-5/8	4 layers, 5/8 in. thick	Optional
	1-5/8	4 layers, 1/2 in. thick	Optional

/2 in. thick 3/4 Type C, in. thick IP-X2 Types or IPC-IP-X3 5/8 ODE 0 IP-X1, IP-X2,

1/2 in. IP-AR,

Ç

C, IP-X2, IPC-AR or WRC; 5/8 in. thick Types IP-X3 or ULTRACODE

(As an alternate to Item 5) — ssembly. Secured as described

steel.

s an alternate to Item , spaced a max of 24 i th than assembly heigh

tc Item 2: 3/8 tc 3/4

where insulation is required -at a minimum density of 4.0 ed with the product. See

e sir e sir eed be of red edges, applied vertic sides of studs. Vertical j id not be backed by stee e staggered. Horizontal f 12 in. The thickness ar

∓	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
	3-1/2	1 layer, 5/8 in. thick	Optional
	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
	1-5/8	1 layer, 3/4 in. thick	Optional
	1-5/8	2 layers, 1/2 in. thick	Optional
	1-5/8	2 layers, 5/8 in. thick	Optional
	3-1/2	1 layer, 3/4 in. thick	3 in.
	1-5/8	3 layers, 1/2 in. thick	Optional
	1-5/8	2 layers, 3/4 in. thick	Optional
	1-5/8	3 layers, 5/8 in. thick	Optional
	1-5/8	4 layers, 5/8 in. thick	Optional
	1-5/8	4 layers, 1/2 in. thick	Optional

As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, or horizontally. Vertical pints centered over studs and staggered one stud oints in adjacent layers (multilayer systems) staggered one stud cavity. Sel framing. Horizontal edge joints and horizontal butt joints on opposite sides edge joints and horizontal butt joints in adjacent layers (multilayer systems) are for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

ating, Hr	Stud Stud Depth, in. Items 2 through 20	Layers & Thkns of Panel	Thkns of Insulation (Item 4B)
	3-5/8	1 layer, 5/8 in. thick	3-1/2 in.
	1-5/8	2 layers, 5/8 in. thick	Optional
	1-5/8	3 layers, 5/8 in. thick	Optional
	1-5/8	4 layers, 5/8 in. thick	Optional

Items 2 and 2F - Type S or S-12 steel screws used to attach panels to **ingle layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 DC when panels are applied horizontally, or 8 in. OC along vertical and panels are applied vertically. **Two layer systems:** First layer- 1 in. long panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 ir. n. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 ir. n. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

or 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. 4 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 set min 6 in. from layer below.

UL DESIGN- U419

- 5/8 in. thic nd 2 only.

(As an alternate to Item 5 when used as the base layer on one or both sides of sides are specified, For direct attachment only to steel studs Item 2A, not to be lead backed gypsum panels with beveled, square or tapered edges, applied uds and staggered min 1 stud cavity on opposite sides of studs. Wallboard S-12 (or No. 6 by 1-1/4 in, long bugle head fine driller) steel screws spaced 8 field.

- For use with Items 1E and 2E and limited to 1 Hour Rating only, applied vertically, and fastened to the steel studs with 1 in long orm edges and 12 in. OC in the field. Vertical joints centered over of studs. Steel stud depth shall be a minimum 3-5/8 in.

For use with Items 1E and 2E only, Gypsum panels with horizontally, as specified in the table below and fastened to the ed over stucs and staggered one stud cavity on opposite sides of ams) staggered one stud cavity. Horizontal joints need not be izontal butt joints on opposite sides of studs need not be not adjacent layers (multilayer systems) staggered a min of 3 hr and 4 hr ratings are as follows:

NICHOLAS PAUL GEISLER, ARCHITECT AR0007005 LAKE CITTY, FLORIDA 32055 P: 386.365.4355 npgeisler47@gmail.com

RCHITECT OF RECORD

CHRISTOPHER A. GMUER, PE GMUER ENGINEERING, LLC 2603 NW 13TH ST BOX 314 GAINESVILLE, FL32609

MORPHEUS GROUP 404 NW HALL OF FAME DRIVE LAKE CITY, FL 32055

ASE ENGINEERING SERVICES, INC. 10244 E COLONIAL DR, SUITE202 ORLANDO, FLORIDA 32817 P: 407.677.5565 F: 407.730.2999 WWWW.ASEIICORP.COM

STRUCTURAL ENGINEER

ection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	
2	1-5/8	2 layers, 1/2 in. thick	hick
2	1-5/8	2 layers, 5/8 in. thick	hick
3	1-5/8	3 layers, 1/2 in. thick	thick
3	1-5/8	3 layers, 5/8 in. thick	thick

IP-X2, IPC-AR or; 5/8 in. res IP-X3 or ULTRACODE

SHX, IP-XL,

XHX,

MEP GREEN DESIGN & BUILD 17047 EL CAMINO REAL, SUITE 211, HOUSTON, TX 77058 P: 281-786-1195 WWW.MEPGREENDESIGNS.COM

COURTYARD®

Marriotta

MEP ENGINEER

ype C; 5/8 in. Types C, SCX, ULTRACODE

H. **Gypsum** wall when! sed with Iter otection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or pered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stuc cavity on posite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at rimeter and 12 in. OC in the field. Gypsum board secured to 20 NSG steel studs Item 2B with 1-1/4 in. long Type S-1 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used th Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A). te to Item 5 when used as the base layer on one or both sides For direct attachment only to steel studs Item 24, (not to be alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard

REVISIONS

30% SET 90% SET

09.14.2018 11.20.2018

Nom. 5/3 in. thick gypsum panels with beveled, square ud minimum depth shall be as indicated in Item 5.

mate to Item 5 when used as the base layer on one or both sides of led, For direct attachment only to steel studs Item 2A, not to be psum panels with beveled, square or tapered edges, applied ggered min 1 stud cavity on opposite sides of studs. Wallboard screws gypsum panel steel screws spaced 8 in. OC at perimeter dependent of the strip of lead backed gypsum wallboard and rips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. with construction adhesive and two 1 in. lorg Type S-12 pan head the bottom of the strip. Lead discs, nominal 3/8 in. diam by max the screw heads. Lead batten strips and discs to have a purity of Grade "C".

UL DETAILS

Rating, Hr	Min Stud Depth, in. Items 2 through 20	No. of Layers & Thkns of Panel	Min Thkns o Insulatio (Item 4
1	3-5/8	1 layer, 5/8 in. thick	3-1/2 in.
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional

 \vdash

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NICHOLAS
PAUL
GEISLER

ARCHITECT 1758 NW Brown Road
N.C.A.R.B. Certified 386/365-4355

COURTYARD INN, Lake City, Florida

SEAL+SIGNATURE

DATE

PROJECT NAME

DATE 07 DEC 2021
PROJECT NUMBER 2K2101
DRAWING NUMBER A-008

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A. Fasteners — (Not Shown) — For use with Item 5K- Type S or S-12 steel screws used to attach panels to studs or pring channels (Item 7). Single layer systems: 1 in. long screws, spaced 8 in. OC when parels are applied or prizontally, or 8 in. OC alorg vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. We layer systems: First layer-1 in. long screws, spaced 16 in. OC. Second layer-1-5/8 in. screws, spaced 8 in. CC ith screws offset 8 in. from first layer. Three-layer systems: First layer-1 in. long screws, spaced 24 in. OC. Second yer-1-5/8 in. long screws, spaced 24 in. OC. Second layer-1-5/8 in. long screws, spaced 8 in. CC. Screws offset min 6 from layer below. Four-layer systems: First layer-1 in. long screws, spaced 24 in. OC. Second layer-1-5/8 in. l **Furring Channels** — (Optional, Not Shown, for single or double ayer systems) — Resilient furring channels ricated from min 25 NSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached the intersecting stuc with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 ir. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in item b. Gypsum board attached to furring charnels as described in Item 6. Not for use with item 5A and 5E. mbers* — (Optional on one or both sides,7, furring charnels and Steel Framing Men

b. **Steel Framing Nembers*** — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 ir. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 1-1/2 ir. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

Wembers* — (Optional, Not Showr) — As an alternate to Item 7, for single or double laws and Steel Framing Members on only one side of stude as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A and 5E.

Steel Framing Nembers* — Used to attach furring channels (Item 7Ba) to one side of uds (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. arse drywall screws, one through the hole at each end of the clip. Furring channels are frictived into clips.

7C. **Framing Members*** — (Nct Shown) — (Optional on one or both sdes, not shown, for single or double systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E. b. **Steel Framing Nembers*** — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. $8 \times 1-1/2$ in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into cips. Type GENIECLIP

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 4. Sice joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - located approximately 2 in. from each end of length of channel. 3oth Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge. Not for use with Item 5A and 5E.

b. **Steel Framing Nembers*** — Used to attach furring channels (Item 7Da) to studs. Clips spaced 24 in. OC., and secured to studs with No. $10 \times 2 \cdot 1/2$ in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. Type A237 or A237R

JNITED STATES GYPSUM CO - Type AS **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and rew heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer yer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge. **Siding, Brick or Stucco –** (Optional, Not Shown) — Aluminum, vin/l or steel siding, brick veneer or stucco, seting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with rugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick. Caulking and Sealants* meter for sound control. (Optional, Not Shown) — A bead of nd the parttion

with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of stud with two 1 in. Icng Type S-12 pan head steel screws, one at the tcp of the strip and one at the bottom of the Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade 'C'. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade 'C'. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade 'C'. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade 'C'.

A. Lead Batten Strips — (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in. wide, max 10 ft long witn max thickness of 0.14C in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. pe S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. no min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting a Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead locked gypsum wallboard and optional at remaining stud locations.

Lead Discs or Tabs — (Not Shown, For Use With Item 5B) — Used in ieu of or in addition to the lead batten strip m 11) or optional at other locations - Nax 3/4 in, diam by max 0.125 in, thick lead discs compression fitted or ered over steel screw heads or max 1/2 in, by 1-1/4 in, by max 0.125 in, thick lead tabs placed on gypsum boards m 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of meeting the Federal specification QQ-L-201f, Grade "C".

13. **Lead Batten Strips** — (Not Showr, For Use With Item 5E) — Lead batten strps, 2 in. wide, max 10 ft lorg with a max thickness of 0.142 in. Strips placed on the face of studs and at:ached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations. **Lead Discs** — (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in, thick lead discs ression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal fication QQ-L-201f, Grades "B, C or D".

14. **Lead Tabs** — (Not Shown, For Use With Item 5E) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standar adhesive tape if necessary.

ates such products shall bear the UL or cUL Certification Mark for jurisdictions (such as Canada), respectively.

2 UL DESIGN- U419
SCALE: NOT TO SCALE

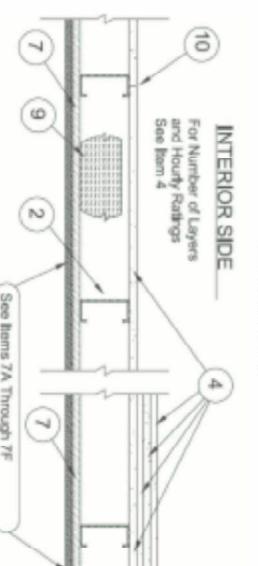
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Design No. U424 BXUV.U424 Fire-resistance Ratings - ANS ANSI/UL

Design/System/Construction/ **Assembly Usage Disclaimer**

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for **BXUV - Fire Resistance Ratings -**ANSI/UL 263

1, 1-1/2 or 2 Hr (Se rior Face Only)



2A. **Steel Studs** — (=or Use With Items 4A, 4B, 4C, and 4D) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 OC. Studs friction-fit into floor and ceiling runners. Lateral Support Members — (Not shown) — Where re means of steel straps; channels or other similar means;

e or tapered edges, applied ve o apposite sides of studs. Vertic joints need not be backed by s taggered a min of 12 in. Horiz s) staggered a min of 12 in. Wi chess and number of layers and

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Nin	1 layer, 5/8 in. thick	100
. hr	2 layers, 1/2 in. thick	100
:-1/2 hr	2 layers, 5/8 in. thick	100
2 hr	3 layers, 1/2 in. thick	100

USG BORAL ZAWAWI DRYWALL L L C SFZ $-\ 1/2$ in. Typ

3. Gypsum Board* — (As an alternate to Item 4 when us 8 in, thick lead backed gypsum panels with beveled, squaretreed over studs and staggered min 1 stud cavity on opportion of the squaretree over studs and staggered min 1 stud cavity on opportion of the squaretree over the squaretr

IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

F: AWARDED A CONTRACT FOR ANY PORTION OF WORK N:EDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:

YOU AGREE TO PROVIDE A COMPLETE DESIGN BUILD OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TFADE OR PROFESSION :OR TH

YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WAFRA

YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, SIRUCTURAL, MECHANICAL, ELECTRICAL AND OR R.U.

YOUR WORK MAY INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OR R.U.

S AS AN EXAMPLE: ITEMS AND OR TASKS LIKE; HIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSED.

PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WAFRANTED SYSTEM OR INSTALLATION THAT DOES NOT FEQUIREC ANOTHER CONTRACTOR OR PRODUCT TO Y CIVIL, ARCHITECTURAL, STRUCTUFAL, MECHANICAL, ELECTRICAL AND OR PLUMBING DRAWINGS; ALSO NOTE THESE DRAWINGS ARE SCHBMATIC AND ARE INTENDED TO SHOW ONLY GOVERNING PERMIT'S AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT. SCHOOL BY THE DRAWINGS OR NOT. SCHOOL BY THE DRAWINGS OR NOT.

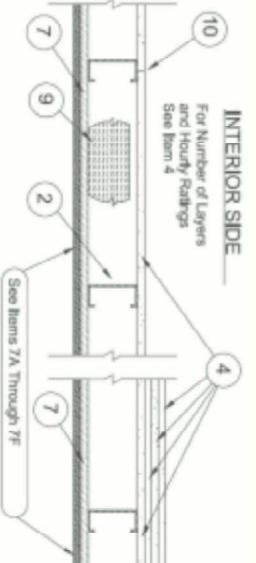
ACK TO THE CONTRACTOR AND OR SUBCONTRA

V. THE COMPLETION OF LACTOR, AT THE OWNERS'

OMP.ETEYOUR SCOPE OF WOR

n submitter and have been investigated by JL for compliance with ddress every construction nuance encountered in the field. stance be the technical service staff provided by the product es are advised to consult the general Guide Information for each iton includes specifics concerning alternate materials and alternate

Design No. U424



Floor and Ceiling Runners — (Not shown) — Channel ickness (No. 20 MSG) corrosion-protected steel, that projecent assemblies such as floors, cellings and/or other wasteners spaced not greater than 24 in. OC. shaped, fabricated from min 0.0329 in. thick, bare metal vide a sound structural connection between stee studs and alls. Attached to floor and ceiling assemblies with steel

2. Steel Studs — Min C.0329 in. thick, bare metal thickness (N in. wide, cold formed, cesigned in accordance with the current eformed Stee Structural Members by the American Iron and Stestructural integrity of the wall assembly, including the axial designed and/or producer, and shall meet the requirements spacing shall not exceed 24 in. OC. (16 in. OC when Item 76 is to 1/2 in. long Type S-12 steel screws on both sides of the stude or accordance with the AISI specifications.

quired for lateral support of studs, support shall be prov as specified in the design of a particular steel stud wall

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Nin	1 layer, 5/8 in. thick	100
: hr	2 layers, 1/2 in. thick	100
:-1/2 hr	2 layers, 5/8 in. thick	100
2 hr	3 layers, 1/2 in. thick	001

CGC INC — 1/2 in. thick Type C, IP-X2, IPC-AR, or WRC; 5/3 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SHX, ULX, WRX or WRC; 3/4 in. thick Types AR, IP-AR, IP-X3, ULTRACODE, USGX (Joint tape and compound, Item 10, optional for use with Type USGX).

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, AR, IP-X1, IP-X2, IPC-AF, SCX, SGX, SHX, ULX, WRX, WRC, Jse with Type USGX): 3/4 in. thick Types AR, IP-AR, IP-X3, U IFC-AR, or WRC; 5/8 in. thick Type AR, C, FRX-G, IP-USGX (Joint tape and compound, Item 10, optional for ILTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR, or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, X2, IPC-AR, SCX, SHX, ULX, WRX or WRC; 3/4 in. thick AR, IP-AR, IP-X3, ULTRACODE, USGX (Joint tape and compound, Item 10, optional for use with Type USGX).

4A. **Gypsum Board*** — (As an alternate to Item 4 when used as the base layer, For direct attachment only) - Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 2A, 8. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at permeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12) or Lead Discs or Tabs (see Item 13).

ed as the base layer, For direct attachment only). Nominal re or tapered edges, applied vertically. Vertical joints osite sides of studs. Wallboard secured to studs with 1-1/4 driller) steel screws spaced 8 in. OC at perimeter and 12 in

4C. **Gypsum Board*** — (As an alternate to Item 4 when us 5/8 in. may be used as alternate to all 5/8 or 3/4 in. shown Nom 5/8 or 3/4 in. thick lead backed gypsum panels with be joints centered over 20 MSG steel studs and staggered min Wallboard secured to studs with 1-1/4 in. long Type S-12 st the field. To be used with Lead Batten Strips (see Item 12A) in Irem 5, Wallboard Protection on Each Side of Wall table weled, square or tapered edges, applied vertically. Vertical stud cavity on opposite sides of studs. See Items 2A, ser screws spaced 8 in. OC at perimeter and 12 in. OC in or Lead Discs (see Irem 13A).

4D. **Gypsum Board*** — (As an alternate to Item 4 when u in, may be used as alternate to all 5/8 in, shown in Item 4, in, thick lead backed gypsum panels with beveled, square o over 20 MSG steel studs and staggered min 1 stud cavity or secured to studs with 1-1/4 in, long Type S-12 steel screws is the base layer. For direct attachment only). Nom 5/8 lboard Protection on Each Side of Wall table. Nom 5/8 ered edges, applied vertically. Vertical joints centered osite sides of studs. See Items 2A, 8. Wallboard ed 8 in. OC at perimeter and 12 in. OC in the field.

asteners — (Not shown) — Type S-12 steel screws used to attach panels to runners (Item 1) and studs (Item 2) tring channels (Item 8). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 hick panels, spaced 8 in. OC when panels are applied horizontally, or 12 in. OC when panels are applied vertically. **Items:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, sec 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 1. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in. thick layer. 1/2 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. for 1/2 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer be ow.

steners — (Not shown, for use with Item 4E) — Type S-12 steel screws used to attach panels to runners (Item 8). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels 4 in. long for 3/4 in. thick panels (Item 8). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels 4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 12 in. OC when are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. r 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in. thick panels or 2-1/4 in. long in. thick panels, spaced 8 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer-1 for 1/2 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in. thick panels, spaced 24 in. OC. Second layer- 2-1/4 in. long for 1/2 in. thick panels, spaced 24 in.

Gypsum Sheathing — For exterior walls, 1/2 or 5/8 in. thick exterior regular gypsum sheathing applied vertica rizontally, attached to studs and runners with 1 in. long Type S12 steel screws spaced 12 in. OC along studs and rners. One or more of the following exterior fadings shall be applied over the gypsum sheathing.

Siding, Brick or Stucco — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting requirements of local code agencies. When a min 3-3/4 in. thick brick veneer facing is used rating is applicable for exposure on either side. Brick veneer attached to studs with rugated metal wall ties attached to each stud with steel screws, not more than each sixth rise of brick.

Cementitious Backer Units* — 1/2 or 5/8 in. thick panels, attached to steel studs over sum sheathing with 1-5/8 in. long, Type 5-12, corrosion resistant, wafer-head steel screws, ced 8 in. OC. Studs spaced a max of 16 in. OC. Joints covered with glass fiber mesh tape.

UNITED STATES GYPSUM CO — Type DCB

Foamed Plastic* — Aged expanded polystyrene (EPS) board per ASTM C578, with a nom sity not less than 1 pcf, R-value 3.8 min per in. with a flame spread cf less than 25 and a oke developed of less than 450, adhered to the gypsum sheathing (Item 7) or to the mentitious backer units (Item 7B) with USG Exterior Insulation Board Adhesvie. See Foamsistic (BRYX and/or CCVW) Categories for names of Classified companies. Polyisocyanurate foamed plastic with ERYX and / or CCVW.

CI Foil Ext

hermax Sheathing, Thermax Light Duty Insulation, The tal Building Board, Thermax White Finish Insulation, max XARMOR ci Exterior Insulation Thermax IH Insulation Heavy Duty Plus (HDP), and TUFF-R¹⁶⁶ ci Insulation

Enertite® NM, Spraytite® 178, Comfort Foam® 178, Spraytite® 81206,
 Walltite® US-N. Straytite® 158, Comfort Foam® 158, and Spraytite® 81205

 Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the
UL Classification Marking as to Surface Buming Characteristics and/or Fire Resistance. See Batts and Blankets
(BKNV and/or BZJZ) Categories for names of Classified companies. **rels** — (Optional, not shown, for single or double layer systems) — Reslient furring chain 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. DC. Flange port stud with 1/2 in. long Type S-12 steel screws. Not for use with Type FRX-G gypsum par

ASF CORP — Enertite® NM, Spraytite® 178, Comfort Foam® 178, Sp praytite® 158, Comfort Foam® 158, and Spraytite® 81205 onal) — Enertite® NM, Spraytite® 178, Comfort Foam® 178, Spraytite® 153, Comfort Foam® 158, and Spraytite® 81205.

For Use in Non-Bearing Walls — Enertite® oraytite® 81206, Waltite® US, Walltite® US-oraytite® 81205 Use in Bearing Walls — Enertite® NM, Spraylite® 81206, Walltite® US and Walltite® US-N

9B. Batts and Blankets* — Placed in stud cavilies, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. oint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and theads of interior face layer. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of or face layer. Paper tape and joint compound may be amitted when gypsum boards are supplied with square su

Lead Batten Strips — (Not Shown, For use with Item 4A) — Lead batten strips, min 1·1/2 in. wide, max 10 ft g with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the p. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten ps required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud ations. Required behind vertical joints.

Lead Batten Strips — (Not Shown, for use with Item 4C) — Lead batten strips, 2 in. wide, max 10 ft long with thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting rederal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead ed gypsum wallboard (Item 6) and optional at remaining stud locations.

1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. puired behind vertical joints of lead backed gypsum wallboard and optional at remaining stud strips, min 2 in. wide, max 8 ft long with a max thickness of C.14 in. placed on the face of studs tud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top it the bottom of the strip. Lead discs, rominal 3/8 in. diam by max 0.085 in. thick. Compression or the screw heads Lead batten strips and discs to have a purity of 99.9% meeting the Federal 1f, Grade "C".

 \vdash PRINTED FROM THE ONLINE CERTIFICATIONS DIRECTORY RMISSION FROM UL UL DESIGN- U424
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13. **Lead Discs or Tabs** — (Not Shown, For use with Item 4A) — Lsed in ieu of or in addition to the lead batten strips (Item 12) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4A) underreath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Srade "C". 13A. **Lead Discs** — (Not Showr, for use with Item 4C) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

14. Lead Batten Strips — (Not Shown, For Use With Item 4B) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type 5-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type 5-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item or 4B) and optional at remaining stud locations. 15. **Lead Tabs** — (Not Shown, For Use With Item 4B) — 2 in. wide, 5 in. ong with a max thickness of 0.142 in. Tabs Friction-fit around front face of stud, the stud folced back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 4B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

12-06 ducts shall bear the UL or cUL Certification Mark for jurisdiction (such as Canada), respectively.

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NICHOLAS
PAUL
GEISLER

ARCHITECT 1758 NW Brown Road
N.C.A.R.B. Certified 386/365-4355

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NICHOLAS PAUL GEISLER, ARCHITECT AR0007005 LAKE CITTY, FLORIDA 32055 P: 386.365.4355 npgeisler47@gmail.com

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COURTYARD®

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REVISIONS 30% SET 90% SET

DRAWING NAME 09.14.2018 11.20.2018

UL DETAILS

PROJECT NAME

COURTYARD INN,° Lake City, Florida City, Florida

A-009

DATE 07 DEC 2021
PROJECT NUMBER 2K2101
DRAWING NUMBER

PAGE NUMBER 09
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Design No. X633 BXUV.X633 -resistance Ratings - ANSI

. . . . Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL certified products, equipment, system, devices, and materials.

Authorities Having Jurisdiction should be consulted before construction.

Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot alloways address every construction nuance encountered in the field.

When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.

Only products which bear UL's Mark are considered Certified. Design/System/Construction/Assembly Usage Disclaimer laving Jurisdiction should be consulted in all cases as to the particular requirements covering the installable for the particular requirements of the

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for BXUV - Fire Resistance Ratings - ANSI/UL 263

Design No. X633

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2. Mastic au thickress, S	1. Steel Col dirt, loose so or inorganic
 Mastic and Intumescent Coating * — Coating spray, trush or trowel applied directy from containers to desired thickness. See table below for appropriate final dry thickness. 	 Steel Column — Steel tube columns with the minimum sizes shown in the tables below. Columns shall be free if dirt, loose scale and oil. Column shall be primed with 0.003 in. dry film thickness of modified alkyd, epoxy, organic or inorganic zinc based primer.
<pre>ng* - Coating spray, br priate final dry thickness</pre>	nns with the minimum s Il be primed with 0.003
ush or trowel applied d s.	sizes shown in the table in. dry film thickness o
lirecty from containe	es below. Columns st of modified alkyd, ep
ers to desired	nall be free if boxy, organic

Size	A/P	1 HR	A/P 1HR 1-1/2HR 2HR 3HR 4HR	2 HR	3 HR	4 HR
ST 2x2x3/16	0.17	0.226	NR	₽	NR.	NR.
ST 2.5x2.5x3/16	0.17	0.226	NR	NR.	NR	N _R
ST 3x2x3/16	0.17	0.226	NR	¥R	NR.	N _R
ST 3x3x3/16	0.18	0.226	NR	¥R	NR.	NR
ST 3.5x3.5x3/16	0.18	0.226	NR	¥R	NR.	NR.
ST 4x2x3/16	0.18	0.226	NR	VR.	NR.	NR
ST 4x3x3/16	0.18	0.226	NR	VR.	NR.	NR.
ST 4x4x3/16	0.18	0.226	NR	¥R	NR.	NR
ST 5x2x3/16	0.18	0.226	NR	VR.	NR	NR
ST 5x3x3/16	0.18	0.226	NR	VR.	NR	NR.
ST 5x4x3/16	0.18	0.226	NR	VR.	NR	N _R
ST 5x5x3/16	0.18	0.226	NR	VR	NR.	N _R
ST 6x2x3/16	0.18	0.226	NR	NR.	NR.	NR
ST 6x3x3/16	0.18	0.226	NR	NR.	NR.	N _R
ST 6x4x3/16	0.18	0.226	NR	NR	NR	NR
ST 6x6x3/16	0.18	0.226	NR	VR.	NR	N _R
ST 7x3x3/16	0.18	0.226	NR	NR.	NR	NR
ST 7x4x3/16	0.18	0.226	NR	NR.	NR	NR
ST 7x5x3/16	0.18	0.226	NR	NR	NR	NR
ST 7x7x3/16	0.18	0.226	NR	NR	NR	NR
ST 8x2x3/16	0.18	0.226	NR	NR	NR	NR
ST 8x3x3/16	0.18	0.226	NR	NR	NR	NR
ST 8x4x3/16	0.18	0.226	NR	NR	NR	NR.
ST 8x6x3/16	0.18	0.226	NR	NR	NR	NR
ST 8x8x3/16	0.18	0.226	NR	NR	NR	NR
ST 10x2x3/16	0.18	0.226	NR	NR	NR	NR
ST 10x4x3/16	0.18	0.226	NR	NR.	NR	NR
ST 10x6x3/16	0.18	0.226	NR	NR	NR	NR
ST 12x2x3/16	0.18	0.226	NR	¥R	NR.	NR
ST 12x4x3/16	0.18	0.226	NR	NR.	NR.	NR
ST 12x6x3/16	0.18	0.226	NR	NR.	NR.	NR
ST 2x2x1/4	0.22	0.226	NR	NR	NR	NR
ST 2.5x2.5x1/4	0.23	0.226	NR	NR.	NR.	NR
ST 3x2x1/4	0.23	0.226	NR	NR.	NR	NR
ST 3x3x1/4	0.23	0.226	NR	NR	NR	NR
ST 3.5x3.5x1/4	0.23	0.226	NR	NR.	NR	NR
ST 4x2x1/4	0.23	0.226	NR	NR.	NR	NR
ST 4x3x1/4	0.23	0.226	NR	NR	NR	NR
ST 4x4x1/4	0.24	0.135	NR	NR.	NR	NR

N _R	N _R	0.377	0.292	0.119	0.30	8X8X5/15
NR.	NR.	0.377	0.292	0.119	0.30	8x6X5/15
NR	N _R	0.377	0.292	0.119	0.30	8X4X5/16
N _R	N _R	0.377	0.292	0.119	0.30	7X7X5/15
N _R	NR.	0.377	0.292	0.119	0.30	7X5X5/16
N _R	N _E	0.377	0.292	0.119	0.30	6X6X5/15
NR.	N _R	0.385	0.292	0.122	0.29	8X3X5/15
N _R	NR.	0.385	0.292	0.122	0.29	8X2X5/15
N _R	Ŗ	0.385	0.292	0.122	0.29	7X4X5/15
NR.	Ŋ,	0.385	0.292	0.122	0.29	7x3X5/15
N _R	Ŗ	0.385	0.292	0.122	0.29	6X4X5/15
N _R	Ŗ	0.385	0.292	0.122	0.29	6X3X5/16
NR.	Ş	0.385	0.292	0.122	0.29	6x2x5/16
N _R	Ŋ,	0.385	0.292	0.122	0.29	5x5x5/16
N.	Ŋ,	0.385	0.292	0.122	0.29	5X4X5/16
N _R	Ŋ,	0.385	0.292	0.122	0.29	5X3X15/16
ş	훘	0.385	0.292	0.122	0.29	4X4X5/16
Ŗ	Ņ,	0.394	0.292	0.124	0.28	5x2x5/16
N _R	Ņ,	0.394	0.292	0.124	0.28	4X3X5/16
Ŗ	Ŗ	0.394	0.292	0.124	0.28	4x2x5/16
NR.	Ŋ,	0.394	0.292	0.124	0.28	3.5X3.5X5/16
NR.	Ŗ	0.394	0.292	0.124	0.28	3X3X5/16
NR.	Ņ,	NR.	NR	0.135	0.24	ST 14x6x1/4
N _R	N _R	NR	NR	0.135	0.24	ST 14x4x1/4
NR.	N.	N _R	NR	0.135	0.24	ST 12x12x1/4
N _R	N _E	NR	NR	0.135	0.24	ST 12x8x1/4
NR	N _F	NR	NR	0.135	0.24	12X6X1/4
NR.	N.	NR	NR	0.135	0.24	ST 12x4x1/4
N _R	N _P	NR	NR	0.135	0.24	5T 12x2x1/4
N _R	Ŋ,	N _R	NR	0.135	0.24	ST 10×10×1/4
NR	N _R	NR	NR	0.135	0.24	ST 10x6x1/4
NR	NR.	NR	NR	0.135	0.24	ST 10x4x1/4
NR	N _P	NR	NR	0.135	0.24	ST 10x2x1/4
NR	N _P	NR	NR	0.135	0.24	5T 8x8x1/4
N _R	Ŋ,	N _R	NR	0.135	0.24	5T 8x6x1/4
NR	NR.	NR	NR	0.135	0.24	ST 8x4x1/4
N _R	NR.	NR.	NR	0.135	0.24	5T 8x3x1/4
N _R	Ŗ	NR.	NR	0.135	0.24	ST 8x2x1/4
N _R	Ŋ,	N _R	NR	0.135	0.24	5T 7x7x1/4
NR	NR.	NR	NR	0.135	0.24	ST 7x4x1/4
NR	N _E	NR	NR	0.135	0.24	5T 7x3x1/4
NR	NF.	NR	NR	0.135	0.24	3T 6x4x1/4
N _R	NF.	NR	NR	0.135	0.24	5T 6x3x1/4
N _R	Ņ,	NR.	NR	0.135	0.24	ST 5x5x1/4
NR.	N _P	NR	NR	0.135	0.24	ST 5x4x1/4
NR	N _P	NR	NR	0.135	0.24	ST 6x2x1/4
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O — Type Nullifire S606. Investigated for Interior C	NR-Not Rated CARBOLINE CO — Type Nullifire S606. Investigated for Interior Canditioned Space Purpose and Interior
investigated for Interior C	nvestigated for Interior Conditioned Space P
	Conditioned Space P

3. **Top Coat** — Not required for Interior Conditioned Space Purpose. For Interior General Purpose Type Carboguard 1340, Type Rustbond Penetrating Sealer FC or Rustbond FC intermediate coat applied over the base coat at 0.002 in thickness and Type Carbothane 133HB top-coat, Type Carbotrylic 3359 top-coat or Type Carbothane 133VOC top-coat Carbothane 133MC top-coat applied over the intermediate coat at 0.003 in. thickness

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Design/System/Construction/Assembly Usage Disclaimer and materials.

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eloped by the design submitter and have been investigated by UL for compliance reloped by the design submitter and have been investigated by the feel in the field.

con cannot always address every construction nuance encountered in the field.

first contact for assistance be the technical service staff provided by the product resistance assemblies are advised to consult the general Guide Information for example of the product resistance assemblies are advised to consult the general Guide Information includes specifics concerning alternate materials and alternate Guide Information includes specifics concerning alternate materials.

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BXUV - Fire Resistance Ratings -ANSI/UL 263

Fire Resistance Ratings -CAN/ULC-S101 Certified for

IF AWARDED A CONTRACTOR AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

IF AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT.

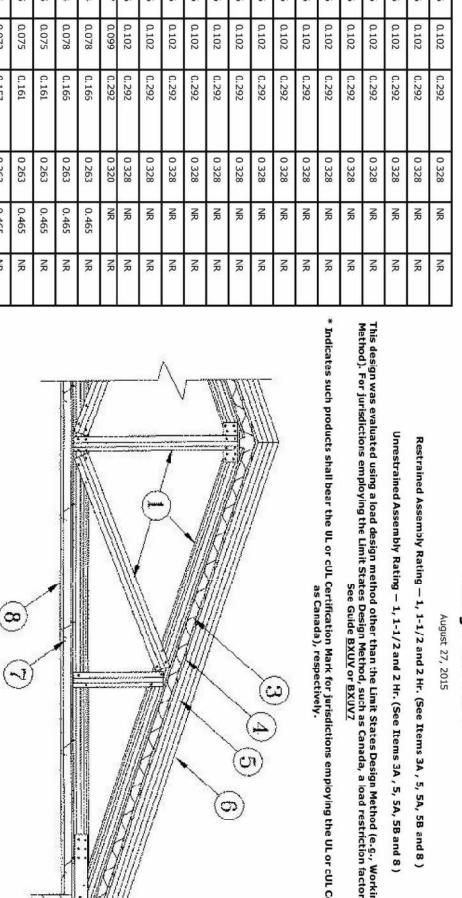
YOU ARE A QUALIFIED CONTRACTOR AND OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNIKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.

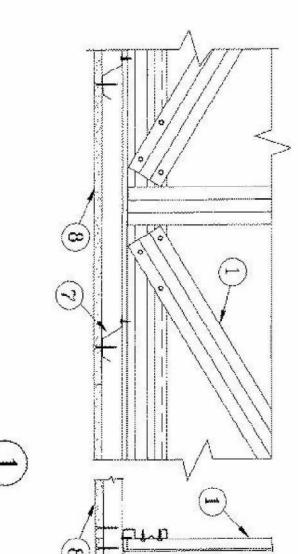
YOUR AGREE TO PROVIDE A COMPLETE DESIGN SOLUTION BASED ON THE ARCHITECTS INTENDED DESIGN FOR THIS PROJECT.

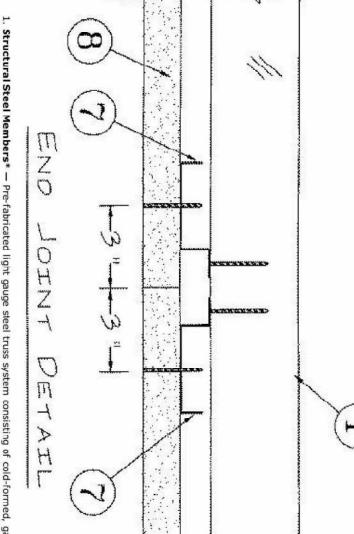
YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRED AND THE SCHEMATIC AND ARE INTENDED TO SHOW ONLY B WORK MAYINCIUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.

YOUR WORK MAYINCIUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.

AS AN EXAMPLE: ITEMS AND OR TASKS LIKE; FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BASIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BASIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BASIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BASIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BASIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY.







Structural Steel Members* — Pre-fabricated light gauge sleel truss system consisting of cold-formed, galvani steel chord and web sections. Trusses fabricated in various sizes, depths, and from various steel thickness. Trusses spaced a max of 48 in. OC.
 AEGIS METAL FRAMING, DIV OF MITEK — Ultra-Span, Pre-fabricated Light Gauge Steel Truss System

Steel Floor and Form Units — (Classified or Undassified) — Corrugated or fluted steel form units, inted or galv steel, welded or mechanically fastened max 12 in. OC to truss-top chords. Nom 1/2 or 5/8 in. thick sheets. End-joists to occurrows. Units loosely laid, adhered or mechanically arrover crests of steel mof deattached to steel roof deck. min 22 MSG

Gypsum Board — (Classified or Unclassified) — (Not Shown) — As an alternate to Item 4, Gypsum sheathing, 1/2 in thick, applied perpendicular to steel roof deck. End joints to occur over crests of steel roof deck. Sheathing jely laid, adhered or mechanically attached to steel roof deck. See Gypsum Board (CKNX) category for names of sified companies.

ineral and Fiber Boards (BQXR) Category in the Building Materials Directory or Mineral and Fiber Boards (CERZ) bry in the Fire Resistance Directory.

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toofing Membrane* — (Not Shown) — In lieu of Item 6, single-ply membrane that is either ballasted, adhered and an armonically attached to the insulation(s) described herin as permitted under the respective company's Classfication. Fire Resistance Directory-Roofing Membranes (CHCl) Category.

of Covering* — Consisting of hot-mopped or cold-application materials compatible with insulation(s) described with provide Class A, B or C coverings. See Roofing Materials and Systems Directory-Roof Covering Materials

Design No.

P521

1, 1-1/2 and 2 Hr. (See Items 3A ,

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 Finishing System — (Not Shown) — Vinyl, dry of premixed joint compound, heads, paper tape, 2 in. wide, embedded in first layer of compound over all joint C, IP-X2, IPC-AR

(30)

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b. Cross tees or channels — Nom 4 it long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 it long, 1-1/2 ir. wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted wallboard end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.

c. Wall angles or channels — Used to support steel framing member ends and for screw-attachment of the gypsum wallboard — Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 ir. thick painted or galvanized steel channel with a 1 by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC. Main runners — Installed perpendicular to Structural Steel Members — Nom 10 or 12 ft long, 16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Nain runners hung a min of 2 in. from bottom rd of Structural Steel Memters with 12 SWG galv steel wire. Wires located a max of 43 in.

USG INTERIORS LLC —

10A. Alternate Steel Framing Members* — (Not Shown) - As an alternate to Item 10 - For the 1 and 1-1/2 hr ratings only. Main runners norn 12 ft long, spaced 72 in. O.C. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members with 12 SWG galv steel wire. Wires located a max of 48 in. O.C. Cross tees, nom 6 ft long, installed perpendicular to main runners and spaced 24 in. O.C. Additional 6 ft long cross tees required at each gypsum board end joint with butted gypsum board end joints centered between cross tees spaced 8 in. O.C. The main runners and cross tees may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.

USG INTERIORS LLC — Type DGL or RX

ATTED STATES GYPSUM CO - Type C or

11A. Gypsum Board* — For use with Steel Framing Members (Item 10A) - For the 1 and 1-1/2 hr ratings - One layer of nom 5/8 in. thick by 48 n. wide boards, installed with long dimension (side joints) perpendicular to the 6 ft long cross tees with the end joints staggered min 4 it and centered between cross tees which are spaced 8 in. OC. Gypsum board side joints may occur beneath or between main runners. Prior to installation of the gypsum board streets, backer strips consisting of nom 7-3/4 in. wide pieces of gypsum board are to be laid atop the cross tee flanges and centered over each butted end joint location. The backer strips are to be secured to the flanges of the cross tees at opposite comers of the backer strip with hold down clips to prevent the backer strips from being uplifted during screw-attechment of the gypsum board sheets. Gypsum board fastened to cross tees with 1 in. drywall screws spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board. The butted end joints are to be secured to the backer strip with No. 10 by 1-1/2 in. long Type G laminating screws located 1 in. from each side of the butted end joint and 4 in. from the side joints and max 8 in. OC in the field of the board.

or cUL Certification Mark for jurisdi (such as Canada), respectively.

REPRINTED FROM THE ONI PERMISSION FROM UL © 2016 UL LLC UL DESIGN- P521 6C. Roof Covering* — In Lieu of Item 6 —Any UL Class A, B or C Prepared Roof Covering (TFWZ) acceptable for use over plywood sheathing or nonveneer APA Rated Series Sheathing. Sheathing mechanically fastened through roof insulation to top cond of steel trusses with lasteners spaced a max of 12 in. OC. As an alternate to the plywood sheathing or nonveneer APA Rated Series Sheathing, the Prepared Roof Covering (TFWZ) may be applied directly to the Building Units* (Item SC) if the building units also carry the UL Classification Marking for Prepared Roofing Accessories (TGDY). Fasteners to be of sufficient length to penetrate top chord of truss by 3/8 in.

7. Furring Channels — Resilient channels formed of 25 MSG galv steel, installed perpendicular to the trusses (Item 1) when steel trusses are spaced a max 24 in. Oc., Resilient channels spaced a max of 16 in. Oc. Channels oriented opposite at wallboard butt-joints. Channel spices overlapped 4 in. beneath steel trusses. Channels secured to each truss with No. 18 Shown) — As an alternate to Item 7 — Hat channels min 20 MSG galv steel, min 2-5/8 in. wide by min 7/8 in. deep, installed perpendicular to the trusses (Item 1) spaced a max of 16 in. Oc. Two courses of channel secured to each truss with No. 18 SWG steel wire double strand saddle ties. Channels secured to each truss sets with a secured to each truss with No. 18 SWG steel wire double strand saddle ties. Channels secured to each truss with Type 512 by 1/2 in. long screws or with No. 18 SWG galv steel wire double strand of No. 18 SWG galv steel wire double strand of No. 18 SWG galv steel wire double strand of No. 18 SWG galv steel wire double strand of No. 18 SWG galv steel wire double strand of No. 18 SWG galv steel wire double strand of No. 18 SWG galv steel wire double strand of No. 18 SWG galv steel wire at each end of overlap.

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Gypsum Board* — For all ratings except the 2 Hr Assembly Ratings — One layer of nom 5/8 in, thick by 48 in, de boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in, long Type S gle-head screws spaced 12 in, OC along butted end-joints and 12 in, OC in the field. For the 2 Hr Ratings — Two yers of nom 5/8 in, thick by 48 in, wide boards, installed with long dimension parallel to trusses. Base layer attached described above. Face layer attached to the resilient channes using 1-5/8 in, long Type S bugle-head screws spaced in. OC along butted end-joints and L2 in. OC in the field. Screws staggered from base layer screws. Face layer side and end joints offset a minimum 16 in from base layer side and end joints. ALL DRAWINGS, SPECIFICATIONS, PLANS, IDEAS, ARRANGEMENTS AND DESIGNS REPRESENTED OR REFERRED TO ARE THE PROPERTY OF JCER DESIGN CONSULTANTS WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THEY ARE CREATED, EVOLVED, DEVELOPED AND PRODUCED SOLELY FOR USE ON AND IN CONNECTION WITH THIS PROJECT AND MAY NOT BE DISCLOSED OR GIVEN TO OR USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY USE OR PURPOSE WHATSOEVER, EXCEPT UPON WRITTEN PERMISSION AND DIRECTION OF N. P. GEISLER, ARCHITECT CHRISTOPHER A. GMUER, PE GMUER ENGINEERING, LLC 2603 NW 13TH ST BOX 314 GAINESVILLE, FL32609 MORPHEUS GROUP 404 NW HALL OF FAME DRIVE LAKE CITY, FL 32055

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COURTYARD®

REVISIONS Marriotte

30% SET 90% SET 09.14.2018 11.20.2018

UL DETAILS

PROJECT NAME

COURTYARD INN,° Lake City, Florida City, Florida

DATE 07 DEC 2021
PROJECT NUMBER 2K2101
DRAWING NUMBER

A-010

PAGE NUMBER 10

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1 UL DESIGN- X794

SCALE: NOT TO SCALE

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REVISIONS

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DRAWING NAME

UL DETAILS

PROJECT NAME

COURTYARD INN, Lake City, Florida

SEAL+SIGNATURE

DATE 07 DEC 2021
PROJECT NUMBER 2K2101
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DECOR: XH

A-011

FLORIDA REG.: AR0007005

PAGE NUMBER

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IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

F AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREENG TO THE FOLLOWING TERMS:

1. YOU AREA QUALIFIED CONTRACTOR AND ORSUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNEY SERVICE. IN YOUR TRADE OR PROFESSON FOR THIS PROJECT.

2. YOU AGREE TO PROVIDE A COMPLETE DESIGN BUILD SOLUTION BASED ON THE ARCHITECTS INTENDED DESIGN FOR THIS PROJECT.

3. YOU AGREE TO PROVIDE A COMPLETE DESIGN BUILD SOLUTION BASED ON THE ARCHITECTS INTENDED DESIGN FOR THIS PROJECT.

4. YOU BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETE DAILY DIRECTS OR NOT REQUIRED ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.

4. YOUR BID MUST HAVE INCLUDED AND DEFERENCE OF WITHIN ANY CIVIL. ARCHITECTURAL, MECHANICAL ELECTRICAL ANDOR FLUMBING DRAWINGS, ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTERIDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.

45 AN EXAMPLE: HEMS AND OF TASKS LIKE; FIRECALIK, GRAFT STOPS, FASTENERS, ANCHORS, EMBEDIATENS, DEBRIS CLEAN UP, FTC. ARE YOUR RESPONSIBLITY, ANY WORK NOT COMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR, AT THE OWNERS'

5. SAN EXAMPLE: HEMS AND OF TASKS LIKE; FIRECALIK, GRAFT STOPS, FASTENERS, ANCHORS, EMBEDIATENS, DEBRIS CLEAN UP, FTC. ARE YOUR RESPONSIBLITY, ANY WORK NOT COMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR, AT THE OWNERS'

5. DEBRIS CLEAN UP, FTC. ARE YOUR RESPONSIBLITY. ANY WORK NOT COMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR, AT THE OWNERS'

GCP APPLIED TECHNOLOGIES INC — Types Z-106, Z-106/G, Z-106/HY.	SOUTHWEST FIREPROOFING PRODUCTS CO — Types 7GP, 7HD.	GCP KOREA INC - Types Z-106, Z-106/G, Z-106/HY.	h = the thickness of Spray-Applied Fire Resistive Materials, min 1/4 in., max 3-7/8 in. ARABIAN VERMICULITE INDUSTRIES — Types Z-106, Z-106/G, Z-106/HY.	Where: R = the hourly rating (hrs.)	$h = \frac{R - 0.20}{4.43 (A/P)}$	r ratings of 3/4, 1,	b = the outer length of the tube (in.)	a = the outer width of the tube (in.)	Where:	a+ b	$A/P tube = \frac{t(a+b-2t)}{a}$	The A/P ratio of a rectangular or square tube is determined by:	t = the wall thickness of the pipe (in.)	d = the outer diam of the pipe (in.)	Where:	a	$A/P pipe = \frac{t(d-t)}{}$	The A/P ratio of a circular pipe is determined by:	The hourly rating of the structural member is dependent upon the ratio of A/P and the t Resistive Materials, where A is the cross sectional area of the pipe or tube and P is the I	 Steel Pipe or Tube — The A/P ratio of the steel pipe or tube (see I:em 2) shall range from 0.18 to 2.0. Spray-Applied Fire Resistive Materials* — Applied by mixing with water and spraying in one or more coats to steel surfaces which must be cean and free of dirt, loose scale and cil. Nin avg and ind density of 19/18 pcf respectively for Types 7-106, Z-106/HY. For method cf density of 22/19 pcf respectively for Types Z-106, Z-106/HY. For method cf density determination, see Design Information Section, preceding these designs. 		as Canada), respectively.
*			1ax 3-7/8 in. 5/HY.			1, 1-1/2, 2, 3 and 4 h of a steel pipe or tube can													upon the ratio of A/P and the thickness of Spray-Applied Fire the pipe or tube and P is the heated perimeter.	rtube (see I:em 2) shall range from 0.18 to 2.0. by mixing with water and spraying in one or more coats to steel and cil. Nin avg and ind density of 19/18 pcf respectively for spectively for Types Z-106, Z-106/G, Z-106/HY. For method cf eceding these designs.		ctions authorning are or or cor cerumation (such

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Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
Only products which bear UL's Mark are considered Certified. BXUV7 Design/System/Construction/Assembly Usage Disclaimer BXUV - Fire Resistance Ratings - ANSI/UL 263 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design No. X794 BXUV.X794 Fire-resistance Ratings - ANSI/UL 263 Ratings — 3/4, 1, 1-1/2, 2, 3 and 4 h **Design No. X794**October 29, 2013

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NICHOLAS

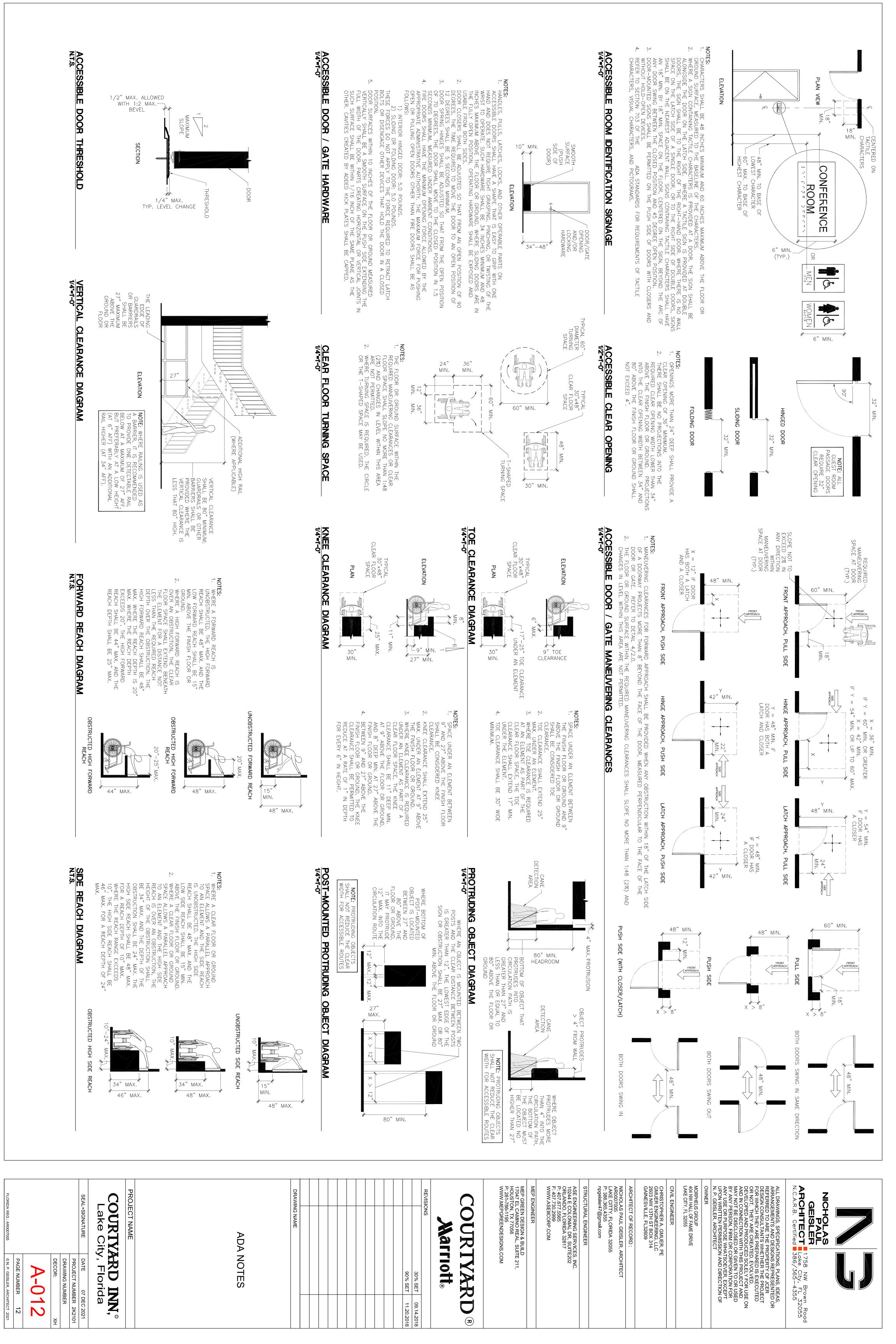
PAUL

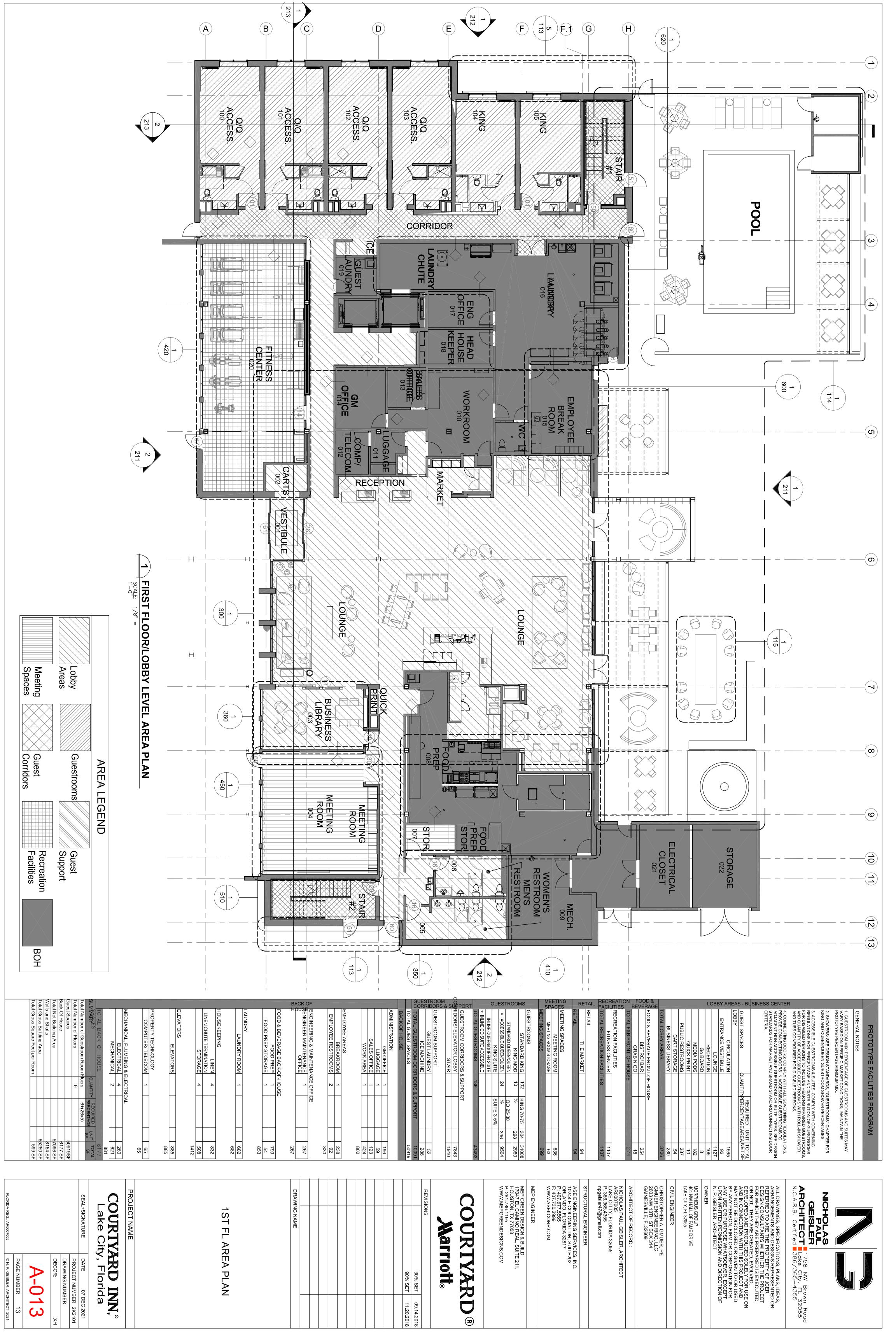
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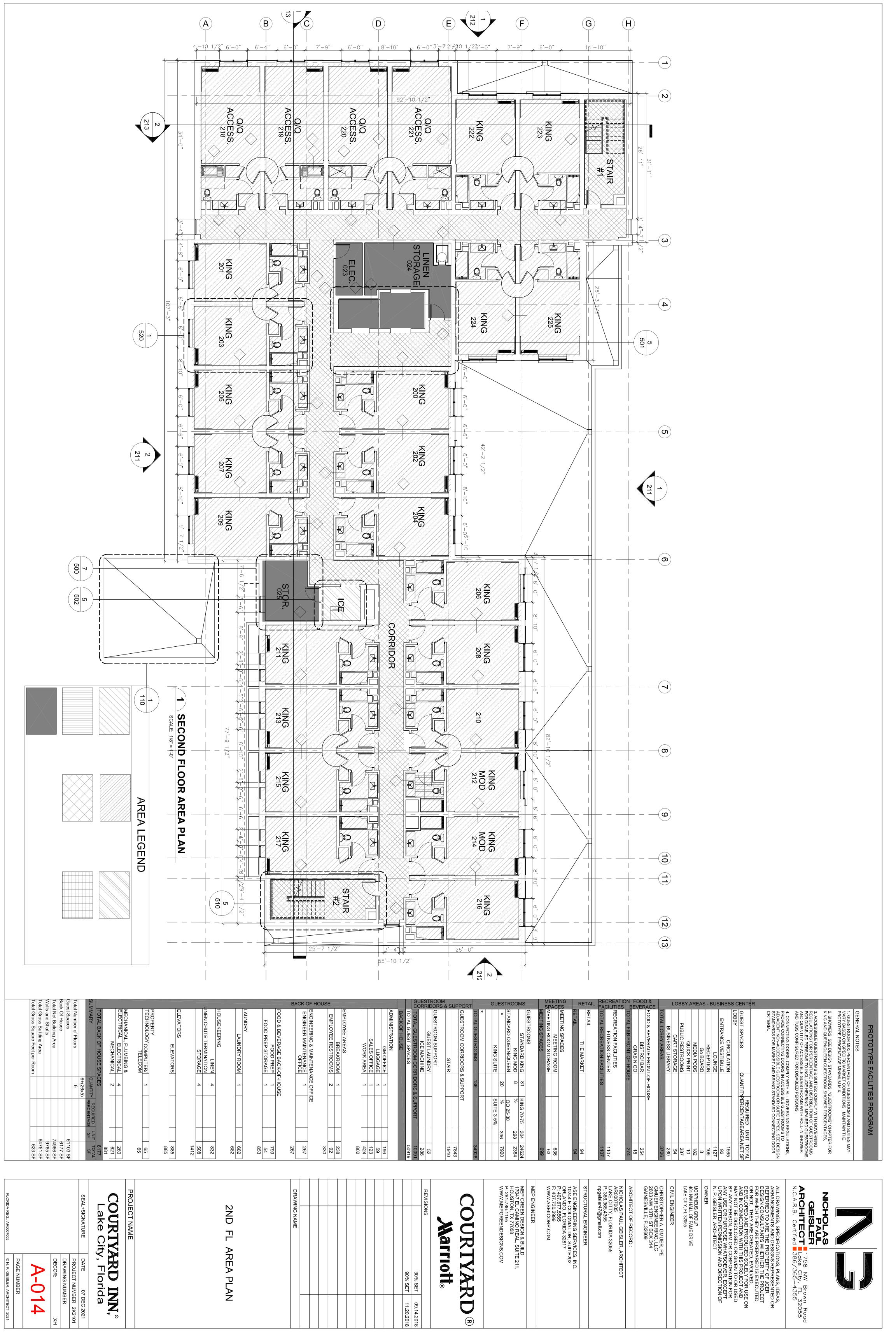
1758 NW Brown Road

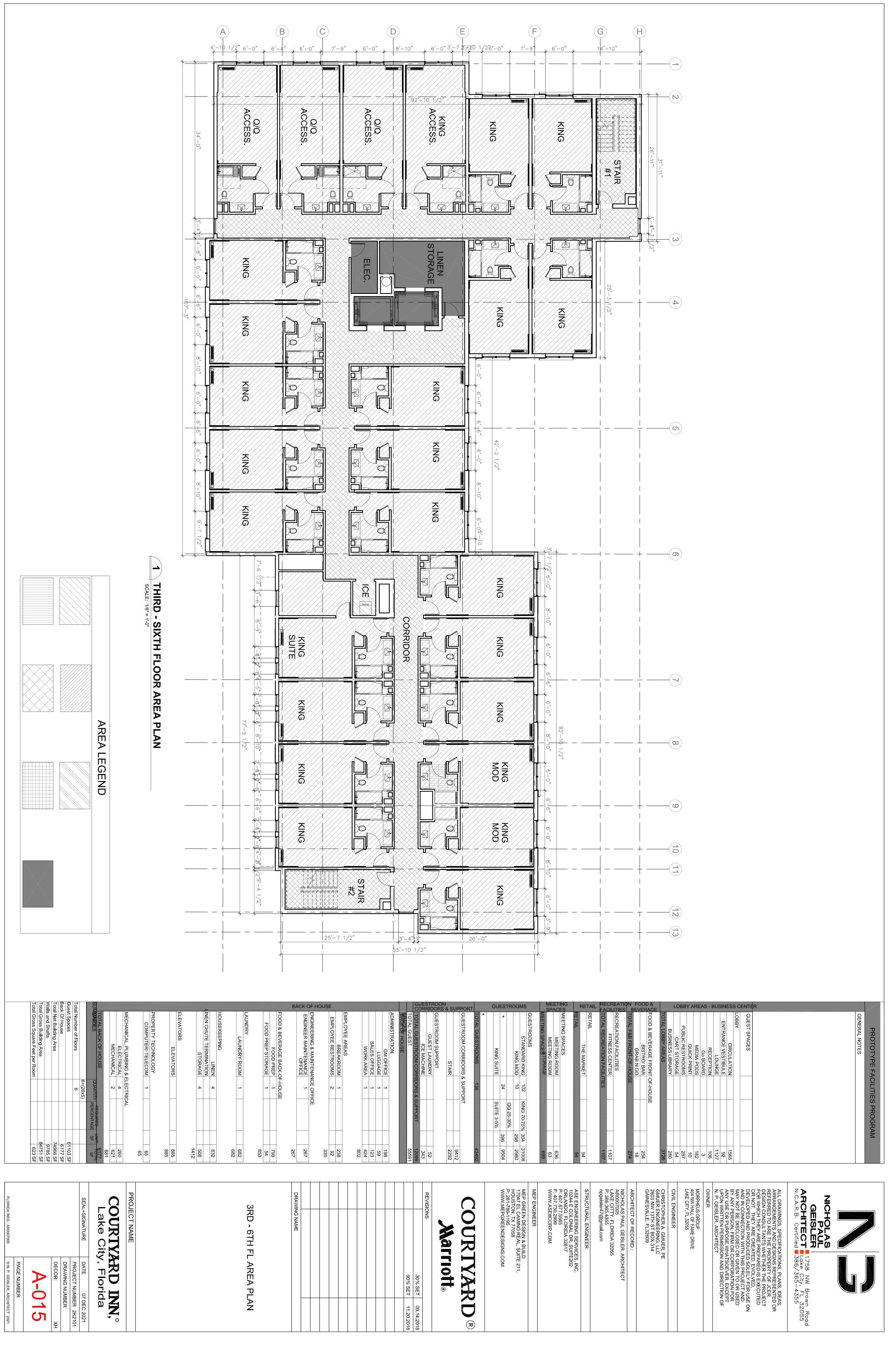
ARCHITECT Lake City, FL 32055

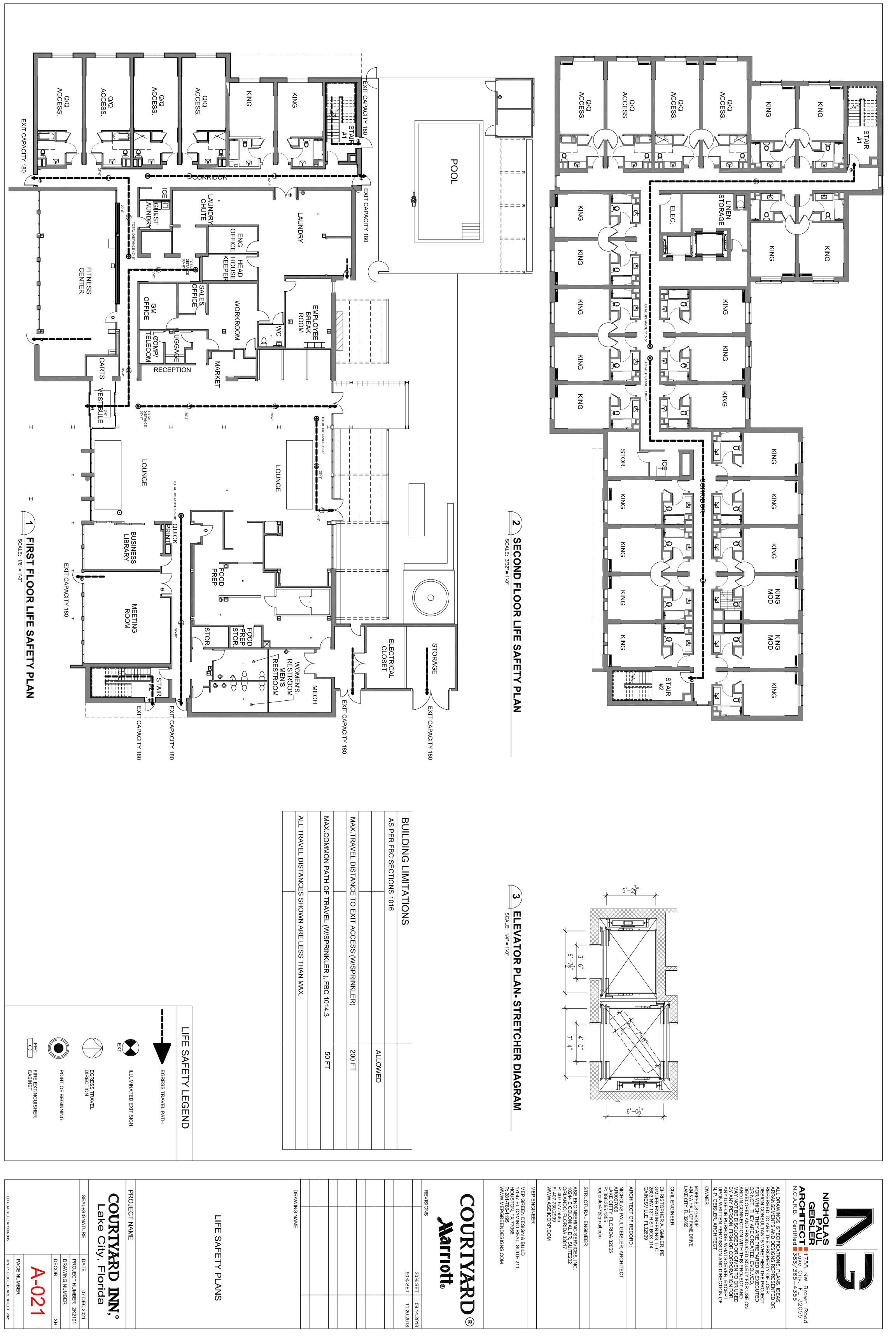
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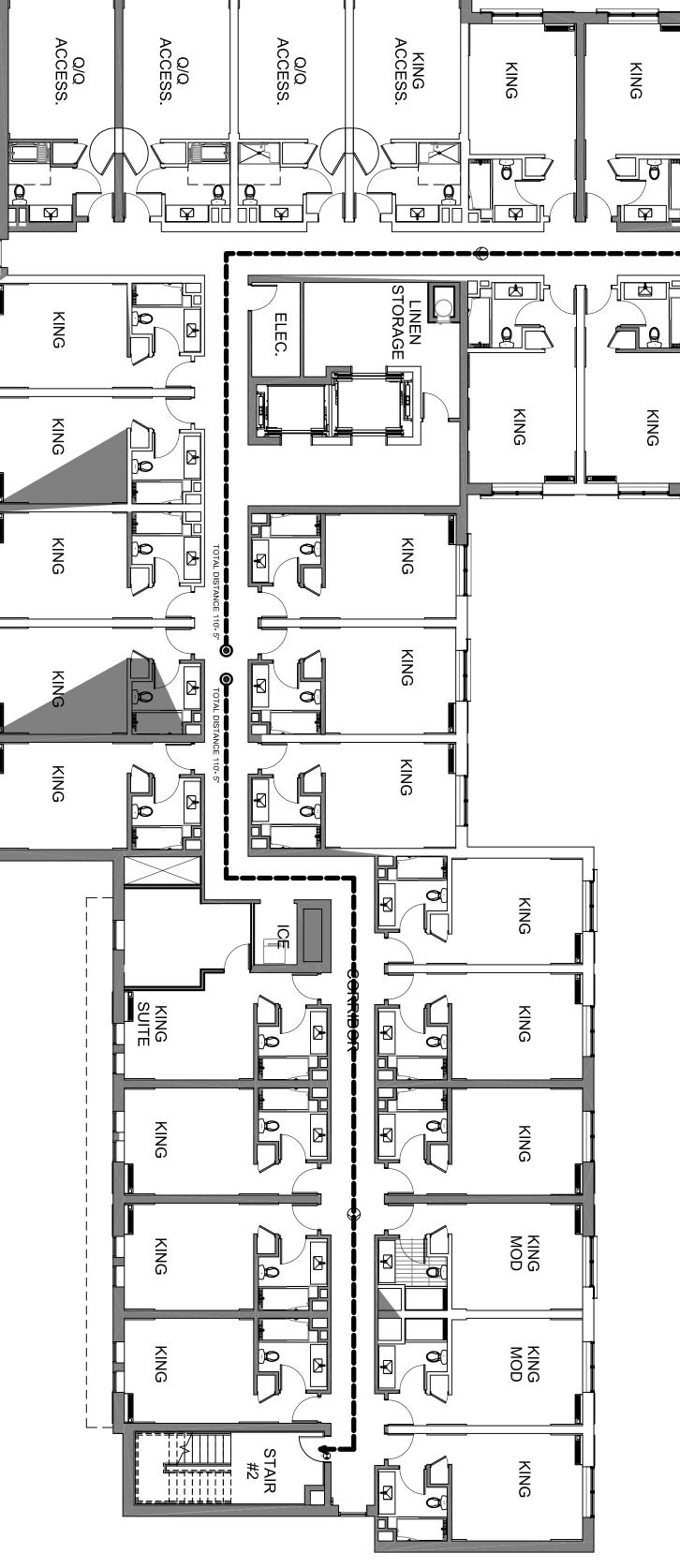












STAIR #1

BUILDING LIMITATIONS	TIONS	
AS PER FBC SECTIONS 1016	1016	
		ALLOWED
MAX.TRAVEL DISTANCE	MAX.TRAVEL DISTANCE TO EXIT ACCESS (W/SPRINKLER)	200 FT
MAX.COMMON PATH OF	MAX.COMMON PATH OF TRAVEL (W/SPRINKLER), FBC 1014.3	50 FT
ALL TRAVEL DISTANCE:	ALL TRAVEL DISTANCES SHOWN ARE LESS THAN MAX.	



EGRESS TRAVEL PATH	LIFE SAFETY LEGEND	

LIFE SAFETY PLANS

SEAL+SIGNATURE	COURTYA: Lake City,	TROJEC I NAME
DATE		
01 NO	D INI	

EGRESS TRAVEL DIRECTION

ILLUMINATED EXIT SIGN

A-022

01 NOV 2021
PROJECT NUMBER 2K2101
DRAWING NUMBER
DECOR:

PAGE NUMBER

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