DESIGN TEAM

OWNER / LANDLORD

COVENANT GROUP, LLC 2044 CALIFORNIA AVE CORONA, CA 92881

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ARCHITECT

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LANDSCAPE ARCHITECT*

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ACRONYMS & **ABBREVIATIONS**

AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT / ARCHITECTURAL
	CONTROL IONT
EJ	
ELEC	
EXSI	EXISTING / EXISTING TO REMAIN
EXT	EXTERIOR
FD	FLOOR DRAIN, REF. MECH
FE	FIRE EXTINGUISHER AND BRACKET
FS	FLOOR SINK, REF. MECH
FT	FEET (LENGTH / DISTANCE)
HCW	HOLLOW CORE WOOD
HM	HOLLOW METAL
HR	HOUR (FIRE RESISTANCE RATING)
INT	INTERIOR
MECH	MECHANICAL
MFG	MANUFACTURER
MTL	METAL
NIC	NOT IN CONTRACT, ITEM FURNISHED BY OTHERS
OC	ON CENTER
PEMB	PRE-ENGINEERED METAL BUILDING
PNT	PAINT
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
RFI	REQUEST FOR INFORMATION
SCW	SOLID CORE WOOD
SE	SOLIARE FEET (AREA)
SG	SAFETY GLAZING
SIM	
	SPECIFICATIONS (PRO JECT MANIJAL)
SST	STAINI ESS STEEL
SUI	STEEL
STL	
STR	STRIN
	TOD OF (SUDFACE MALL FTC)
	TVDICAL
VIF	VERIFY IN FIELD ACTUAL CONDITIONS
VVH	WATER HEATER, REF. MECH

RESPONSIBILITY SCHEDULE						
	SUPPLIED BY			INSTALLED BY		
DESCRIPTION	OWNER / LANDLORD	OWNER / LANDLORD'S GC	TENANT(S)	OWNER / LANDLORD	OWNER / LANDLORD'S GC	TENANT(S)
BUILDING SIGNAGE (EXCL. POWER & BLOCKING)	-	-	Х	-	-	Х
CONCRETE SLAB	-	Х	-	-	Х	-
CONDUITS & POWER FOR DRIVE-THRU EQUIPMENT	-	Х	-	-	Х	-
CONDUITS & POWER FOR PYLON / MONUMENT SIGN	-	Х	-	-	Х	-
CONDUITS & POWER FOR SITE WAYFINDING SIGNAGE	-	Х	-	-	Х	-
DATA / LOW VOLTAGE CONDUIT(S)	-	Х	-	-	Х	-
DATA / LOW VOLTAGE WIRING	-	-	Х	-	-	Х
DEMISING WALL (INCL. STUDS & SHEATHING)	-	Х	-	-	Х	-
DOORS, FRAMES & HARDWARE	-	Х	-	-	Х	-
DRIVE-THRU EQUIPMENT (EXCL. POWER & FOUNDATIONS)	-	-	Х	-	-	Х
ELECTRICAL DISTRIBUTION (INCL. RECEPTACLES & SWITCHES)	-	Х	-	-	Х	-
ELECTRICAL SERVICE (INCL. METER[S] & PANEL[S])	-	Х	-	-	Х	-
FOOTINGS FOR DRIVE-THRU EQUIPMENT	-	Х	-	-	Х	-
FOOTINGS FOR SITE WAYFINDING SIGNAGE	-	Х	-	-	Х	-
FOUNDATION FOR PYLON / MONUMENT SIGN	-	Х	-	-	Х	-
GAS SERVICE (INCL. METER[S])	-	Х	-	-	Х	-
GREASE INTERCEPTOR	-	Х	-	-	Х	-
HVAC DISTRIBUTION (INCL. DUCTWORK)	-	-	Х	-	-	Х
HVAC ROOFTOP UNIT(S) [REF. MECH PLANS]	-	Х	Х	-	Х	Х
IRRIGATION SYSTEM	Х	-	-	Х	-	-
LANDSCAPING	-	Х	-	-	Х	-
LIGHT FIXTURES	-	Х	-	-	Х	-
POWER & BLOCKING FOR BUILDING SIGNAGE	-	Х	-	-	Х	-
PYLON / MONUMENT SIGN (EXCL. FOUNDATION, CONDUIT & POWER)	Х	-	-	Х	-	-
SEWER SERVICE	-	Х	-	-	Х	-
SITE PAVING	-	Х	-	-	Х	-
SITE WAYFINDING SIGNAGE (EXCL. FOOTINGS, CONDUITS & POWER)	-	-	Х	-	-	Х
STOREFRONT SYSTEMS (INCL. DOOR[S])	-	Х	-	-	Х	-
TRASH ENCLOSURE	-	Х	-	-	Х	-
WATER SERVICE (INCL. METER[S])	-	Х	-	-	Х	-

NOTE: THIS SCHEDULE IS PROVIDED FOR BIDDING ASSISTANCE ONLY. THE CONTRACTOR SHALL REQUEST AND OBTAIN A COPY OF THE APPROVED LEASE(S) AND LANDLORD'S WORK EXHIBIT(S) FROM THE OWNER/LANDLORD.

VERIFY ALL WORK TO COMPLETED WITH THE APPROVED LEASE(S) AND LANDLORD'S WORK EXHIBIT(S) PRIOR TO SUBMITTING A BID. THE REQUIREMENTS OF THE LANDLORD'S WORK EXHIBIT(S) SHALL SUPERSEDE ANY INFORMATION PROVIDED HEREIN. INFORM ARCHITECT OF ANY CONFLICT OR DISCREPANCY BETWEEN THE LEASE(S) AND/OR LANDLORD'S WORK EXHIBIT(S) AND THE CONSTRUCTION DOCUMENTS.

IF ANY PART OF THE WORK IS NOT LISTED IN THIS SCHEDULE, THE CONTRACTOR SHALL SUBMIT AN RFI TO THE ARCHITECT PRIOR TO SUBMITTING A BID.

SHEET INDEX

GENERAL

	\sim				$\gamma \gamma $	1
{	NUMBER	TITLE	ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE	ß
{	G10.0	COVER SHEET	04/12/22	A	05/05/22	D /.
						r <u>/</u>

ARCHITECTURAL

			CURRENT	
NUMBER	IIILE	ISSUE DATE	REVISION	REVISION DATE
A10.0	CODE EVALUATION	04/12/22	Α	05/05/22
A21.0	FLOOR PLAN	04/12/22	А	05/05/22
A26.0	ROOF PLAN	04/12/22		
A30.1	BUILDING ELEVATIONS	04/12/22	А	05/05/22
A30.2	BUILDING ELEVATIONS	04/12/22	А	05/05/22
A40.0	BUILDING SECTIONS	04/12/22		
A45.1	WALL SECTIONS	04/12/22		
A45.2	WALL SECTIONS	04/12/22		
A45.3	WALL SECTIONS	04/12/22		
A60.1	DETAILS	04/12/22		
A60.2	DETAILS	04/12/22		
A60.3	DETAILS	04/12/22		
A70.0	SCHEDULES	04/12/22		

STRUCTURAL*

NUMBER	TITLE	ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
S0.1	GENERAL NOTES	03/31/22		
S0.2	STRUCTURAL SPECIAL INSPECTIONS	03/31/22		
S1.0	FOUNDATION PLAN	03/31/22		
S2.0	FRAMING PLAN	03/31/22	А	04/29/22
S3.0	FOUNDATION DETAILS	03/31/22		
S3.1	FOUNDATION DETAILS	03/31/22		
S4.0	FRAMING DETAILS	03/31/22		
S4.1	FRAMING DETAILS	03/31/22		
S4.2	FRAMING DETAILS	03/31/22	А	04/29/22

MECHANICAL*

NUMBER	TITLE	ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
M10.1	HVAC FLOOR PLAN	04/08/22		
M20.1	HVAC NOTES & SCHEDULES	04/08/22	А	04/25/22
M20.2	HVAC DETAILS	04/08/22		
$\searrow \swarrow \checkmark$				
NUMBER	IIILE	135UE DATE		ILVISION DATE
NUMBER P0.01	PLUMBING SCHEDULE, NOTES & DETAILS	04/08/22	IL VISION	
NUMBER P0.01 P1.01	PLUMBING SCHEDULE, NOTES & DETAILS PLUMBING FLOOR PLAN	04/08/22 04/08/22	A	04/25/22

ELECTRICAL*

\sim		\sim		\sim
	TITLE	ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
E-1	ELECTRICAL LEGEND, SYMBOL & SCHEDULE	04/06/22	А	05/05/22
E-2	ELECTRICAL SPECIFICATION	04/06/22	А	05/05/22
E-3	ELECTRICAL FLOOR PLAN - LIGHTING	04/06/22	А	05/05/22
>E-4	ELECTRICAL ONE-LINE DIAGRAM	04/06/22	А	05/05/22 <
E-5	ELECTRICAL PANEL SCHEDULES	04/06/22	А	05/05/22
E-6	ELECTRICAL SITE PLAN	04/06/22	А	05/05/22
E-7	SITE LIGHTING PHOTOMETRIC PLAN	04/06/22	А	05/05/22

CIVIL & LANDSCAPE*

REF. CIVIL COVER SHEET

OWNER'S CONTRACTOR. AS SUCH, THESE PLANS WERE NOT COMPLETED UNDER THE SUPERVISION OF THE ARCHITECT. ANY QUESTIONS AND/OR RFI'S REGARDING THESE PARTICULAR PLANS SHOULD BE DIRECTED TO THE DESIGN PROFESSIONAL WHO PREPARED THE PLANS.

* THE PLANS FOR THESE TRADES / DISCIPLINES WERE PROVIDED BY THE OWNER OR

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G10.0



1 AREA PLAN 1/8" = 1'-0"

/ 1/8" = 1'-0"

GENERAL NOTES

- 1. CONTRACTOR SHALL FIELD VERIFY ALL FIRE EXTINGUISHER LOCATIONS. SUPPLY ADDITIONAL FIRE EXTINGUISHERS AS NEEDED SO THAT TRAVEL DISTANCE DOES NOT EXCEED 75 FEET FROM ANY POINT IN THE BUILDING TO THE NEAREST FIRE EXTINGUISHER. VERIFY LOCATIONS IN FIELD WITH ARCHITECT AND LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION.
- (WHERE SHOWN) IN ACCORDANCE WITH U.L. TESTED ASSEMBLIES. CONTRACTOR SHALL SUPPLY AND INSTALL A KNOX BOX AS REQUIRED BY THE LOCAL FIRE DEPARTMENT. VERIFY LOCATION IN FIELD WITH ARCHITECT AND LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION. KNOX BOX MUST BE PURCHASED THROUGH THE LOCAL FIRE DEPARTMENT'S APPROVED VENDOR.

EGRESS PLAN LEGEND



BUILDING INFORMATION

BUILDING USE(S): CLASSIFICATION OF WORK:

OCCUPANCY GROUP: MIXED OCCUPANCY: CONSTRUCTION TYPE: AUTOMATIC SPRINKLER SYSTEM: *SPECULATIVE FUTURE TENANTS

ALLOWABLE HEIGHT: ACTUAL HEIGHT:

ALLOWABLE STORIES: ACTUAL BUILDING STORIES:

ALLOWABLE AREA (UNMODIFIED): FRONTAGE INCREASE:

AREA MODIFICATION:

ALLOWABLE AREA (MODIFIED): ACTUAL GROSS BUILDING AREA:

RESTAURANT* PROFESSIONAL SERVICES (MEDICAL OFFICE)* NEW CONSTRUCTION A-2* B* (SEPARATED) VB NO

40' (A/B, NS)

24'

1 (A-2, NS) 1

6,000 SF (A-2, NS) NOT REQUIRED NOT REQUIRED

6,000 SF

GROSS BUILDING AREAS DESCRIPTION FLOOR AREA EXTERIOR WALLS 321 SF 2,892 SF MEDICAL OFFICE 1,880 SF RESTAURANT 5,093 SF

_____ EXTERIOR WALL PROTECTION

(TABLE 602)	
DISTANCE (FT) X < 5 5 ≤ X < 10 10 ≤ X < 30 X ≥ 30	MIN. RATING (HR) 1 1 0 0
HVAC SYSTEM:	PACKAGED ROOFTOP UNITS (RESTAURANT HVAC WILL BE DESIGNED & INSTALLED BY FUTURE TENANT, REF. MECH PLANS)
FUEL:	NATURAL GAS
FIRE SAFETY SYS	

1. FIRE EXTINGUISHERS

EXIT LIGHTS 3. EMERGENCY LIGHTS (WITH BATTERY BACKUP)

OCCUPANT LOAD (AREA SCHEDULE)				
			OCCUPA	NT LOA
NAME	FUNCTION	AREA	LOAD FACTOR	CALC
EXTERIOR WALLS	-	321 SF	0 SF	
MEDICAL OFFICE	BUSINESS AREA	2,892 SF	150 SF	
RESTAURANT	ASSEMBLY, UNCONCENTRATED	1,880 SF	15 SF	
TOTAL		5,093 SF		

A MAXIMUM OCCUPANT LOAD POSSIBLE, AS CALCULATED BY GROSS FLOOR AREA. ACTUAL OCCUPANT LOAD WILL BE LESS AND SHALL BE DETERMINED BY FUTURE TENANTS' PLANS.

^B EACH FUTURE ASSEMBLY TENANT'S OCCUPANT LOAD MUST BE LESS THAN 100. IF OCCUPANT LOAD IS 100 OR MORE, THE TENANT SHALL BE RESPONSIBLE FOR PROVIDING AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE ENTIRE BUILDING.

EXIT SCHEDULE				
NUMBER	OCCUPANT LOAD	CAPACITY FACTOR	MIN WIDTH	ACTUAL WIDTH
101	63	0.2	13	36
102	63	0.2	13	36
201	10	0.2	2	36
202	10	0.2	2	36
TOTAL	146			

PROJECT INFORMATION N COVENANT GROUP, LLC OWNER: ARCHITECT: CLARKITECTURE LLC MISSOURI STATE: COUNTY: JACKSON LEE'S SUMMIT CITY: STREET ADDRESS: 400 NW CHIPMAN RD WATER SUPPLY: CITY OF LEE'S SUMMIT SEWAGE TREATMENT CITY OF LEE'S SUMMIT GAS UTILITY: SPIRE GAS ELECTRIC UTILITY: EVERGY AUTHORITY HAVING JURISDICTION: STATE ARCHITECT, STATE FIRE MARSHAL LOCAL CODE ENFORCEMENT: CITY OF LEE'S SUMMIT DEVELOPMENT SERVICES RKI' ADOPTED CODES THESE PLANS COMPLY WITH THE FOLLOWING REGULATIONS: 2018 INTERNATIONAL BUILDING CODE (IBC)* 2018 INTERNATIONAL FIRE CODE (IFC)* 2018 INTERNATIONAL MECHANICAL CODE (IMC)* • 2018 INTERNATIONAL FUEL GAS CODE (IFGC)* 2018 INTERNATIONAL PLUMBING CODE (IPC)* 2017 NATIONAL ELECTRIC CODE (NEC)* • 2010 AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES FOR ACCESSIBLE DESIGN *INCLUDES AMENDMENTS ADOPTED BY THE AHJ. CLIENT: SITE INFORMATION PROJECT: ZONING: PMIX PLANNED MIX USE ADDRESS: VICINITY MAP: **PROJECT NO:**

٩D CULATED LOAD

LEGAL DESCRIPTION:

LOT 4E-2, SUMMIT ORCHARD MINOR PLAT, LOTS 4E-1 AND 4E-2

SITE LOCATION



RELEASED FOR CONSTRUCTION As Noted on Plans Review opment Services De Lee's Summit, Missou 05/13/2022





A26.0









PRODUCT: "SEATTLE" OR "COLORADO"

COLOR: DARK BRONZE

• SIZE: 8"

 FACE: FLAT STYLE: TIE-BACK

BUILDING	ELE	VATI	ONS

RCHITEC

A30.1









GENERAL NOTES

- 1. ALL DIMENSIONS ON THESE SECTIONS ARE MEASURED TO GRID

	KEYNOTE LEGEND
1	CONCRETE SLAB-ON-GRADE, REF. STRUCT
2	CONCRETE FOUNDATION, REF. STRUCT
3	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
4	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
5	WOOD LINTEL, REF. STRUCT
6	LIGHT FIXTURE, TYP, REF. ELEC
7	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
8	ROOF DRAIN, REF. MECH
9	SIDEWALK, REF. SITE PLAN
10	DOOR, REF. FLOOR PLAN AND SCHEDULES
11	PRE-FRABRICATED METAL CANOPY
12	



PROFESSIONAL'S SEAL:

BUILDING SECTIONS

A40.0

GENERAL NOTES

- ALL DIMENSIONS ON THESE SECTIONS ARE MEASURED TO GRID LINE AND/OR FACE OF STUD, U.N.O.
 REF. SHEET <u>A30.1</u> FOR EXTERIOR FINISH LEGEND.
 REF. SHEET <u>A70.0</u> FOR DOOR SCHEDULE AND WINDOW TYPES.

	KEYNOTE LEGEND
1	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
2	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
3	WOOD LINTEL, REF. STRUCT
4	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
5	CONCRETE SLAB-ON-GRADE, REF. STRUCT
6	CONCRETE FOUNDATION, REF. STRUCT
7	SIDEWALK, REF. SITE PLAN
8	BUILDING SIGNAGE, PROVIDE BLOCKING & POWER AS REQ'D. COORDINATE WITH TENANT
9	LIGHT FIXTURE, TYP, REF. ELEC
10	PRE-FRABRICATED METAL CANOPY

A45.1

1 WALL SECTION 3/8" = 1'-0"

5

2 WALL SECTION 3/8" = 1'-0"

GENERAL NOTES

- ALL DIMENSIONS ON THESE SECTIONS ARE MEASURED TO GRID LINE AND/OR FACE OF STUD, U.N.O.
 REF. SHEET <u>A30.1</u> FOR EXTERIOR FINISH LEGEND.
 REF. SHEET <u>A70.0</u> FOR DOOR SCHEDULE AND WINDOW TYPES.

	KEYNOTE LEGEND
1	CONCRETE SLAB-ON-GRADE, REF. STRUCT
2	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
3	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
4	LIGHT FIXTURE, TYP, REF. ELEC
5	CONCRETE FOUNDATION, REF. STRUCT
6	SIDEWALK, REF. SITE PLAN
7	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES
8	DRIVE-THRU WINDOW UNIT, REF. SCHEDULES
9	PRE-FRABRICATED METAL CANOPY
10	WOOD LINTEL, REF. STRUCT
11	BUILDING SIGNAGE, PROVIDE BLOCKING & POWER AS REQ'D. COORDINATE WITH TENANT

RISTOPHER ALLEN CLARK NUMBER

A-2020014300 4/12/22 RCHITEC

WALL SECTIONS

A45.2

1

3 WALL SECTION 3/8" = 1'-0"

GENERAL NOTES

- ALL DIMENSIONS ON THESE SECTIONS ARE MEASURED TO GRID LINE AND/OR FACE OF STUD, U.N.O.
 REF. SHEET <u>A30.1</u> FOR EXTERIOR FINISH LEGEND.
 REF. SHEET <u>A70.0</u> FOR DOOR SCHEDULE AND WINDOW TYPES.

	KEYNOTE LEGEND
1	CONCRETE SLAB-ON-GRADE, REF. STRUCT
2	PRE-FABRICATED WOOD TRUSSES, REF. STRUCT
3	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY, REF. ROOF PLAN
4	DOOR, REF. FLOOR PLAN AND SCHEDULES
5	LIGHT FIXTURE, TYP, REF. ELEC
6	BUILDING SIGNAGE, PROVIDE BLOCKING & POWER AS REQ'D. COORDINATE WITH TENANT
7	CONCRETE FOUNDATION, REF. STRUCT
8	SIDEWALK, REF. SITE PLAN
9	WOOD LINTEL, REF. STRUCT
10	STOREFRONT SYSTEM, REF. FLOOR PLAN AND SCHEDULES

	COVENANT REAL ESTATE	2460 PASEO VERDE PWY SUITE 145 HENDERSON, NV 89074 714.845.8500			
SH ISSUE ISSUE	EET INFO DATE: 04 D FOR: INTERNAL RE REVISION SCHEDULE DESCRIPTION	/12/22 EVIEW DATE			
PROFESSIONAL'S SEAL:					
CHRISTOPHER ALLEN CLARK NUMBER A-2020014300 9/12/22 WALL SECTIONS					

A45.3

A60.1

RELEASED FOR

1 <u>CANOPY @ EIFS</u> 1 1/2" = 1'-0"

2 CANOPY @ BRICK 1 1/2" = 1'-0"

SLOPE \triangleleft T.O. BAND REF. SECTIONS

5 BRICK TO EIFS TRANSITION (PLAN) 1 1/2" = 1'-0"

6 EIFS ACCENT BAND ′ 3" = 1'-0"

3 BRICK TO EIFS TRANSITION (SECTION) 1 1/2" = 1'-0"

7 ROOF ACCESS LADDER 1" = 1'-0"

8 TRASH ENCLOSURE SECTION 3/4" = 1'-0"

AIR & MOISTURE BARRIER, REF. SPEC BACKWRAP EIFS MESH PREFINISHED METAL FLASHING -

4 SOLDIER COURSE (ENLARGED) 3" = 1'-0"

(2) #4 CONT. AT TOP OF

4

A60.2

CEMENTITIOUS DAMPPROOFING AT BACKSIDE OF WALL, REF. SPEC

#5x5-4 MASONRY DOWEL AT EACH VERT. MASONRY WALL REINFORCING LOCATION. EMBED 24" INTO FOOTING

NOTE: TRASH ENCLOSURE GATE (BY CONTRACTOR) SHALL BE BLACK STEEL FRAME WITH CEDAR OR COMPOSITE WOOD PICKET INFILL

A60.2

GRID LINE

BRICK VENEER, REF.

GRID LINE

EXTERIOR INSULATION & FINISH SYSTEM, REF. ELEVATIONS -

AIR & MOISTURE BARRIER, REF. SPEC WALL SHEATHING,

REF. STRUCT -

4 STOREFRONT JAMB @ EIFS 1 1/2" = 1'-0"

DRIVE-THRU WINDOW UNIT,

BRICK SOLDIER COURSE. TRIM TOP EDGE TO SLOPE

AWAY FROM WALL —

BRICK VENEER, REF.

WALL SHEATHING, REF.

ELEVATIONS -

STRUCT -

AIR & MOISTURE BARRIER, REF. SPEC

INSTRUCTIONS.

REF. SCHEDULES

JOINT SEALANT &

METAL FLASHING

BACKER ROD -

PREFINISHED

GRID LINE

AIR & MOISTURE BARRIER, REF. SPEC

GRID LINE

PREFINISHED

INSTRUCTIONS.

7 DT WINDOW JAMB @ EIFS 1 1/2" = 1'-0"

NOTE: CONTRACTOR SHALL VERIFY CONDITIONS AT DRIVE-THRU WINDOW OPENING PRIOR TO INSTALLATION. WINDOW UNIT TO BE INSTALLED PER MANUFACTURER'S

9 HM DOOR JAMB @ EIFS 1 1/2" = 1'-0"

JOINT SEALANT & BACKER ROD -HOLLOW METAL DOOR & FRAME, REF. PLANS & SCHEDULES

8 HM DOOR HEAD @ EIFS 1 1/2" = 1'-0" GRID LINE EXTERIOR INSULATION WOOD STUD, REF. STRUCT & FINISH SYSTEM, REF. **ELEVATIONS** THERMAL INSULATION, REF. SPEC **AIR & MOISTURE** BARRIER, REF. SPEC -- GYPSUM BOARD, REF. SPEC WALL SHEATHING, REF. STRUCT -WOOD JAMB, REF. STRUCT

WOOD STUD, REF. STRUCT

GYPSUM BOARD, REF. SPEC

THERMAL INSULATION,

STOREFRONT SYSTEM, REF. PLANS & SCHEDULES

WOOD STUD, REF. STRUCT

GYPSUM BOARD, REF. SPEC

THERMAL INSULATION,

REF. SPEC

REF. SPEC

WOOD LINTEL, REF. STRUCT

WOOD STUD, REF. STRUCT

- HOLLOW METAL DOOR & FRAME, REF. PLANS & SCHEDULES

GRID LINE

EXTERIOR INSULATION &

FINISH SYSTEM, REF.

BARRIER, REF. SPEC -

WALL SHEATHING, REF.

ELEVATIONS

STRUCT -

PREFINISHED

METAL FLASHING -

JOINT SEALANT &

BACKER ROD -

AIR & MOISTURE

<u>NOTE</u>: CONTRACTOR SHALL VERIFY CONDITIONS AT DRIVE-THRU WINDOW OPENING PRIOR TO INSTALLATION. WINDOW UNIT TO BE INSTALLED PER MANUFACTURER'S

COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

PROJECT INFO

CLIENT:

PROJECT:

RELEASED FOR CONSTRUCTION As Noted on Plans Review opment Services Dep Lee's Summit, Missou 05/13/2022

RKI

N

COVENANT GROUP, LLC

ADDRESS:

400 NW CHIPMAN RD

LEE'S SUMMIT, MO 64806 PROJECT NO:

MAIN CONTACT

267

CHRISTOPHER CLARK, AIA, NCARB 7701 E KELLOGG DR, STE 630 WICHITA, KS 67207 (316) 302-4472

chris@clarkitecture.net

DEVELOPER

DETAILS

A60.3

	DOOR SCHEDULE										
				DOOR			FRAME			HARDWARE	
NUMBER	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	FIRE RATING	SET	COMMENTS
101	36"	84"	FG	AL / GL	ANOD	-	AL / GL	ANOD	-	1.0	A
102	36"	84"	F	STL	PNT	HM2	STL	PNT	-	2.0	-
201	36"	84"	FG	AL / GL	ANOD	-	AL / GL	ANOD	-	1.0	A
202	36"	84"	F	STL	PNT	HM2	STL	PNT	-	2.0	-

WINDOW TYPES

WINDOW TYPE 1

WINDOW TYPE 2

PARTITION SCHEDULE

- STUD SIZE
- 4) 2X4 WD STUDS @ 16" O.C. MAX
- 6) 2X6 WD STUDS @ 16" O.C. MAX
- <u>HEIGHT</u>
- F) FULL HEIGHT TO B.O. ROOF DECK, INCL. GYPSUM BOARD, IF APPLICABLE
- B) BRACED / PARTIAL HEIGHT, T.O. WALL 12" MIN ABOVE CEILING U.N.O., DIAGONALLY BRACE TO ROOF JOISTS AS REQ'D
- K) KNEE WALL, REF. INTERIOR ELEVATIONS AND/OR DETAILS FOR EXACT HEIGHT

- EXAMPLE: PARTITION TYPE <u>6BC</u> WOULD INCLUDE: 6) 2X6 WD STUDS @ 16" O.C. MAX
- B) PARTIAL HEIGHT, T.O. WALL 12" MIN ABOVE CEILING U.N.O., DIAGONALLY BRACE TO ROOF JOISTS AS REQ'D
- C) (2) LAYERS 5/8" GYPSUM WALLBOARD @ EA SIDE

DOOR SCHEDULE COMMENTS

A. DOOR SHALL INCLUDE 1" HIGH LETTERING ON A CONTRASTING BACKGROUND THAT STATES: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

DOOR HARDWARE SCHEDULE

- 1.0 PANIC DEVICE @ PUSH SIDE
 OFFSET PULL BAR @ PULL SIDE
- EXTERIOR CYLINDER AUTOMATIC CLOSER
- HEAVY DUTY HINGES
 THRESHOLD
- WEATHERSTRIPPING SWEEP
- 2.0
- PANIC DEVICE @ PUSH SIDE
- LEVER TRIM @ PULL SIDE
 ENTRANCE LOCKSET
- AUTOMATIC CLOSERHEAVY DUTY HINGES
- SECURITY DOOR VIEWER THRESHOLD
- WEATHERSTRIPPING SWEEP

WINDOW TYPE 3

W4 WINDOW TYPE 4

- (1) LAYER 5/8" GYPSUM WALLBOARD

- (1) LAYER 5/8" PLYWOOD / OSB

(1) LAYER 5/8" CEMENT BOARD

(1) LAYER 5/8" PLYWOOD / OSB

- (1) LAYER 5/8" CEMENT BOARD

@ ONE SIDE ONLY

@ EA SIDE

@ EA SIDE

@ EA SIDE

GENERAL NOTES

- DOORS & FRAMES: 1. NOT ALL DOOR TYPES AND FRAME TYPES MAY BE USED. 2. ALL DOOR HARDWARE SHALL COMPLY WITH ADA GUIDELINES FOR
- ACCESSIBLE DESIGN.
- ALL PANIC DEVICES SHALL COMPLY WITH IBC SECTION 1010.1.10.
 REF. SHEET <u>G10.0</u> FOR ACRONYMS AND ABBREVIATIONS.
 REF. SPECS FOR ADDITIONAL INFORMATION ABOUT DOORS AND
- FRAMES. 6. ALL ANODIZED ALUMINUM DOORS AND FRAMES SHALL BE DARK BRONZE COLOR.

- WINDOW TYPES: 1. CONTRACTOR SHALL V.I.F. ALL WINDOW OPENINGS BEFORE ORDERING NEW WINDOW UNITS. 2. REF. SPECS FOR ADDITIONAL INFORMATION ABOUT WINDOW UNITS
- AND GLAZING. 3. ALL ANODIZED ALUMINUM STOREFRONT FRAMING SHALL BE DARK BRONZE COLOR.

- PARTITIONS: 1. NOT ALL PARTITION TYPES MAY BE USED. REF. SHEET <u>A20.0</u> FOR U.L. ASSEMBLY NUMBERS AT RATED FIRE PARTITIONS, FIRE BARRIERS AND/OR FIRE WALLS. CONTRACTOR SHALL CONSTRUCT SUCH PARTITIONS (WHERE SHOWN) IN ACCORDANCE WITH U.L. TESTED ASSEMBLIES.
- 3. ALL SLEEPERS AND SILLS ON A CONCRETE SLAB THAT IS IN DIRECT CONTACT WITH EARTH SHALL BE OF NATURALLY DURABLE WOOD OR PRESERVATIVE-TREATED WOOD USING WATER-BORNE PRESERVATIVES IN ACCORDANCE WITH AWPA U1 (COMMODITY SPECIFICATIONS A OR F).
 4. TYP @ AT ALL PARTITION TYPES, PROVIDE BATT INSULATION
- WHERE SHOWN ON THE FLOOR PLAN(S).

DRIVE-THRU WINDOW UNIT SPECS:

 READY ACCESS 275 SERIES • VERIFY OPENING DIRECTION W/ OWNER PRIOR TO ORDERING DRIVE-THRU WINDOW

FEATURES:

 MANUAL OPEN, ELECTRONIC RELEASE (MOER) DARK BRONZE ANODIZED ALUMINUM FRAMING

 LOW-E GLAZING TELESCOPING NIGHTTIME SECURITY BAR

			COVENANT	REAL	GROUP	2460 PASEO VERDE PWY SUITE 445 HENDERSON, NV 89074 714.845.8500
SH	EE.	L IV	NF	0		
ISSUE	DATE	:			04/1	2/22
ISSUE	D FOF	?:	INTE	RNA	L REV	IEW
	REVI	SION	SCH	EDU	LE	
NO	DI	ESCR	IPTIC	DN	DA	ATE
PROFESSIONAL'S SEAL: OF MISSOURCE CHRISTOPHER ALLEN CLARK NUMBER A-2020014300 9/12/22						
SCHEDULES						

DESIGN PARAMETERS

A BUILDING CODE: BC 2018 RISK CATEGORY B. MATERIAL CODES AND STANDARDS DESIGN LOADS: ASCESSIT-7.6-NININUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES CONCRETE: AC 3134-1-SUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE STEEL: AC 300-000 CONSTRUCTION CONSTRUCTION CONSTRUCTION A ROOF FORDAL LOADS ROOFING, AND INSULATION PLYWOOD DECK MICCH, ELEC, AND PLUMBING (AND SPRINKLERS) CELLANEOUS TOTAL SUPERIMPOSED ROOF DEAD LOAD ROOF STRUCTURE MINIMUM ROOF DEAD LOAD (TO BE USED WITH GROSS UPLIFT) C. LIVE LOADS (UNIFORMICONCENTRATED) ROOF ROOF C. SNOW EXPOSUBE FACTOR, Ca A. GROUND SNOW LOAD, PJ E. FLAT ROOF SNOW LOAD, PJ E. THERMAL FACTOR, CI 4. WIND DESIGN WIND PRESSURE COEFFICIENT, GCpi D. SNOW EXPOSUBE FACTOR, Ca 4. WIND DESIGN WIND PRESSURE COEFFICIENT, GCpi D. DESIGN WIND PRESSURE SIDES NOTES: 1. RE: ASC 7.16 IFEUIRES 30.3-1AI 30.3.2.4. 1. RE: ASC 7.16 IFEUIR	
8. MATERIAL CODES AND STANDARDS DESIGN LOADS: ACCESED 7-16 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES CONCRETE: ACI 318-14 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE STELE: AISC 360-16 - SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS WOOD: ANSILAWC NDS-2018 - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION 9. GRAVITY LOADS 8. ROOFING AND INSULATION PLYWOOD DECK MECH. ELEC. AND PLUMBING (AND SPRINKLERS) CEILINGS MISCELLANEOUS TOTAL SUPERIMPOSED ROOF DEAD LOAD ROOF STRUCTURE 0. LIVE LOADS (UNIFORMEONCENTRATED) ROOF 0. LIVE LOADS (UNIFORMEONCENTRATED) ROOF 20 3. ROOFING AND INSULATION PLYWOOD DECK MISCELLANEOUS TOTAL SUPERIMPOSED ROOF DEAD LOAD ROOF STRUCTURE 0. SUPERIMPOSED ROOF DEAD LOAD ROOF STRUCTURE 0. LIVE LOADS (UNIFORMEONCENTRATED) ROOF 20 3. ROOF SNOW LOAD, PG B. FLAT ROOF SNOW LOAD, PG C. SNOW EXPOSURE FACTOR, CC 4. WIND DESIGN WIND SPEED (3 SECOND GUST), Vuit B. WIND EXPOSURE CATCR, CC 4. WIND DESIGN WIND SPEED (3 SECOND GUST), Vuit B. WIND EXPOSURE CATCR, CC 5. NOW LOAD, FT. E000 SQ. FT. ZONE 1 - 23.7 PSF - 13.0 PSF ZONE 1 - 23.8 J 16.0 PSF ZONE 2 - 74.6 PIGURES 30.3-1 AND 30.3-24 2. REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED 3. POSITIVE VALUES SIGNIFY PRESSURES ACTING TOWAND THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING	II
2. GRAVITY LOADS A. ROOF DEAD LOADS ROOF DEAD LOADS ROOF ING AND INSULATION PLYWOOD DECK MECH., ELEC. AND PLUMBING [AND SPRINKLERS] CELINOS MISCELLANEOUS TOTAL SUPERIMPOSED ROOF DEAD LOAD ROOF STRUCTURE ACT MINIMUM ROOF DEAD LOAD (TO BE USED WITH GROSS UPLIFT) C. LIVE LOADS (UNIFORM/CONCENTRATED) ROOF ROOF SNOW LOAD A. GROUND SNOW LOAD, Pg B. FLAT ROOF SNOW LOAD, Pg B. FLAT ROOF SNOW LOAD, Pg C. SNOW EXPOSURE FACTOR, Co D. SNOW LOAD IMPORTANCE FACTOR, Co MIND EXPOSIDE FACTOR, Co MIND EXPOSIDE FACTOR, Co MIND EXPOSIDE CATEGORY C. INTERNAL PRESSURE COEFFICIENT, GCpi D. DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING $ ROOF PRESSURES (1.0W) \frac{VALL PRESSURES (1.0W) $	
C. LIVE LOADS (UNIFORM/CONCENTRATED) ROOF 20 3. ROOF SNOW LOAD A. GROUND SNOW LOAD, Pg B. FLAT ROOF SNOW LOAD, Pf C. SNOW EXPOSURE FACTOR, Ce D. SNOW EXPOSURE FACTOR, Ce D. SNOW LOAD IMPORTANCE FACTOR, I E. THERMAL FACTOR, Ct 4. WIND DESIGN WIND SPEED (3 SECOND GUST), Vult B. WIND DESIGN WIND SPEED (3 SECOND GUST), Vult B. WIND DESIGN WIND SPEED (3 SECOND GUST), Vult D. DESIGN WIND PRESSURE COEFFICIENT, GCpi D. DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING $ \frac{ROOF PRESSURES (1.0W)}{\frac{1}{2000}} \frac{1}{1000} \frac{1}{2000} \frac{1}{1000} 1$	1.8 PSF 3.2 PSF 6.0 PSF 1.0 PSF 2.0 PSF 14 PSF TUAL WEIGHT 20 PSF
3. ROOF SNOW LOAD A. GROUND SNOW LOAD, Pg B. FLAT ROOF SNOW LOAD, Pf C. SNOW EXPOSURE FACTOR, Ce D. SNOW LOAD IMPORTANCE FACTOR, I E. THERMAL FACTOR, Ct 4. WIND DESIGN DATA A. ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), Vuit B. WIND EXPOSURE CATEGORY C. INTERNAL PRESSURE OFFICIENT, GCpi D. DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING $ \hline NOOF PRESSURES (1.0W) \\ \hline EFFECTIVE WIND \\ AREA \\ 510 SQ. FT. 5500 SQ. FT. \\ ZONE 1' - 41.3 PSF - 32.3 PSF \\ ZONE 1 - 23.7 PSF - 42.9 PSF \\ ZONE 1 - 23.7 PSF - 42.9 PSF \\ ZONE 1 - 23.7 PSF - 10.0 PSF \\ ZONE 1 - 23.3 T PSF - 51.0 PSF \\ ZONE 1 - 23.3 T PSF - 51.0 PSF \\ ZONE 1 - 23.3 T PSF - 51.0 PSF \\ ZONE 1 - 23.3 T PSF - 51.0 PSF \\ ZONE 1 - 23.3 T PSF - 10.0 PSF \\ ZONE 1 - 23.3 T PSF - 10.0 PSF \\ ZONE 1 - 23.3 T PSF - 10.0 PSF \\ ZONE 1 - 23.3 T PSF - 10.0 PSF \\ ZONE 2 - 54.5 PSF - 42.9 PSF \\ ZONE 2 - 54.5 PSF - 42.9 PSF \\ ZONE 2 - 54.5 PSF - 42.9 PSF \\ ZONE 2 - 54.5 PSF - 42.9 PSF \\ ZONE 2 - 54.5 PSF - 42.9 PSF \\ ZONE 3 - 74.3 PSF - 51.0 PSF \\ ZONE 4 & 5 - 23.7 PSF - 17.8 PSF \\ ZONE 1 - 28.3 - 16.0 PSF \\ 1. RE: ASCE 7-16 FIGURES 30.3-1 AND 30.3-2A \\ 2. REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED \\ 3. POSITIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACCELERATION PARAMETER, S1 D. STIE CLASS E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd3 F. DESIGN SPECTRAL RESPO$	0 PSF / 300 LB
 WIND DESIGN DATA ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), Vuit WIND EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENT, GCpi DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING ROOF PRESSURES (1.0W) EFFECTIVE WIND AREA ≤10 SQ. FT. ≥500 SQ. FT. ZONE 1' 41.3 PSF 32.3 PSF ZONE 1 -23.7 PSF -23.7 PSF ZONE 1 -23.7 PSF -42.9 PSF ZONE 2 -54.5 PSF 42.9 PSF ZONE 3 -74.3 PSF 16.0 PSF NOTES: REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED POSITIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING PARAMETER, SS MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, SS MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd1 SITE CLASS DESIGN SPECTRAL RESPONSE ACCELERATION PARA	20 PSF 14 PSF 1.0 1.0 1.0
ROOF PRESSURES (1.0W) WALL PRESSURES (1.0W) EFFECTIVE WIND AREA ≤10 SQ. FT. 2500 SQ. FT. ZONE 1' -41.3 PSF -32.3 PSF ZONE 1 -23.7 PSF -23.7 PSF ZONE 2 -54.5 PSF -42.9 PSF ZONE 3 -74.3 PSF -51.0 PSF ZONE 1, 2 & 3 16.0 PSF 16.0 PSF ZONE 1, 2 & 3 16.0 PSF 16.0 PSF NOTES: 1 RE: ASCE 7-16 FIGURES 30.3-1 AND 30.3-2A 2. REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED 3. POSITIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE E. WIDTH OF END ZONE 5. EARTHQUAKE DESIGN DATA A. SEISMIC IMPORTANCE FACTOR, Ie B. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, SS C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Sds F. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sds F. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd1 C SEISMIC DEFICION CATE CODIV	109 MPH C +/- 0.18
EFFECTIVE WIND AREA \$10 SQ. FT. \$500 SQ. FT. ZONE 1' -41.3 PSF -32.3 PSF ZONE 1 -23.7 PSF -23.7 PSF ZONE 2 -54.5 PSF -42.9 PSF ZONE 3 -74.3 PSF -51.0 PSF ZONE 1, 2 & 3 16.0 PSF 16.0 PSF ZONE 2 -54.5 PSF -42.9 PSF ZONE 3 -74.3 PSF -51.0 PSF ZONE 4 -25.7 PSF 17.8 PSF ZONE 5 -31.6 PSF -19.8 PSF ZONE 1, 2 & 3 16.0 PSF 16.0 PSF NOTES: 1 RE: ASCE 7-16 FIGURES 30.3-1 AND 30.3-2A 2. REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED 3. POSITIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE E. WIDTH OF END ZONE 5. EARTHQUAKE DESIGN DATA A. SEISMIC IMPORTANCE FACTOR, Ie B. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, SS C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd F. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd1 C. SEISMIC DESION DESION OF CONST	
ZONE 1 120.1 TOI 120.1 TOI 120.1 TOI 101.0 TOI	
 RE: ASCE 7-16 FIGURES 30.3-1 AND 30.3-2A REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED POSITIVE VALUES SIGNIFY PRESSURES ACTING TOWARD THE NOTED SURFACE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING AWAY FOR THE NOTED SURFACE WIDTH OF END ZONE EARTHQUAKE DESIGN DATA SEISMIC IMPORTANCE FACTOR, Ie MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Ss MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, S1 SITE CLASS DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sds F. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd1 	
 E. WIDTH OF END ZONE EARTHQUAKE DESIGN DATA A. SEISMIC IMPORTANCE FACTOR, le B. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, Ss C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER, S1 D. SITE CLASS E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sds F. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER, Sd1 C. SEISMIC DESIGN CATEGORY 	2 0 ET
G. SEISINIC DESIGN CATEGORY H. STRUCTURAL SYSTEM 1.) VERTICAL ELEMENT TYPE BUILI	1.0 10.6% 6.3% D 11.3% 10.1% B
2.) BASIC SEISMIC FORCE-RESISTING SYSTEM TYPE L (Wi PAN	LIGHT FRAME VOOD WALLS) WITH SHEAR NELS - WOOD
3.) RESPONSE MODIFICATION FACTOR, R 4.) SEISMIC RESPONSE COEFFICIENT, Cs 5.) DESIGN BASE SHEAR, 1.0E J. ANALYSIS PROCEDURE	6.5 0.016 3.2k EQUIVALENT TERAL FORCE

GENERAL NOTES

GENERAL

- STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY AND RESISTANCE TO LATERAL FORCES. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS, AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION, UNLESS NOTED OTHERWISE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATION OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO.
- THE STRUCTURE HAS BEEN DESIGNED FOR THE INDICATED LOADS ONLY. USE OF HEAVY EQUIPMENT AND SCAFFOLDING, OR STORAGE OF MATERIALS THAT TRANSFER EXCESSIVE LOADS TO THE STRUCTURE SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE CALCULATIONS SIGN AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED TO VERIFY THE ADEQUACY OF THE STRUCTURE FOR ALL APPLIED CONSTRUCTION LOADS THAT EXCEED THE LOADS INDICATED IN THE CONSTRUCTION DOCUMENTS AND SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER-OF-RECORD PRIOR TO ANY CONSTRUCTION ACTIVITY
- THE SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUCTION WITH THE CONTRACT DRAWINGS. WHERE REQUIREMENTS INDICATED ON THE CONTRACT DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT AND THE ENGINEER-OF-RECORD.
- STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO SHOP DRAWINGS AND WORK.
- ALL WELDS SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (A.W.S) SPECIFICATIONS. THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR
- MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHALL BE VERIFIED BY THE CONTRACTOR. PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND THE ENGINEER-OF-RECORD. REFERENCE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR OPENING LOCATIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- USE ONLY DIMENSIONS INDICATED IN THE CONTRACT DOCUMENTS. DO NOT SCALE CONTRACT DOCUMENTS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC DRAWING FILES. CONTRACTOR SHALL COORDINATE IN-PLACE DIMENSIONS BASED ON TOLERANCES OF THE RESPECTIVE TRADES.

	GENE	RAL NOTES		
	OLIVE			
9. 10.	ASSUME EQUAL SPACING IF NOT INDICATE ARCHITECTURAL. MECHANICAL AND ELEC	ED IN CONTRACT DOCUMENT TRICAL COMPONENTS AND S	S. YSTEMS SHALL BE DESIGNED	3
11.	AND CONSTRUCTED TO RESIST SEISMIC F REFERENCE ARCHITECTURAL DRAWINGS OF NON-LOAD BEARING PARTITION FRAMI	FORCES AS DETERMINED IN C FOR NON-LOAD BEARING PA NG TO THE PRIMARY STRUCT	CHAPTER 13 OF ASCE 7. RTITION FRAMING. CONNECTION TURE SHALL ALLOW FOR	4
12.	CONTRACTOR SHALL COORDINATE ALL DI ANCHOR RODS AND EMBED LOCATIONS P	MENSIONS, OPENING, BLOCK RIOR TO CONSTRUCTION.	G. (OUTS, RECESSES, ELEVATIONS,	5
	FOUNDATIONS			
1.	FOUNDATION DESIGNS AND SUBGRADE P RECOMMENDATIONS PROVIDED IN THE GE ENGINEERING, LLC.DATED: 03/21/2022	REPARATION NOTES ARE BA EOTECHNICAL REPORT NUME	SED ON THE BER 22-5193, BY: CFS	6
2. 3.	FOOTING DESIGNS ARE BASED ON A NET CONTRACTOR AND TESTING LABORATOR REPORT AND BECOME THOROUGHLY FAN THEREIN. THE CONTRACTOR SHALL BE RE AND FILL FOR ESTIMATING AND CONSTRU STRUCTURAL EARTH MOVING SPECIFICAT	[MAX] ALLOWABLE SOIL BEAF Y REPRESENTATIVE SHALL RI /IILIAR WITH SITE AND SUBGF ESPONSIBLE FOR DETERMINI CTION. SUBGRADE SHALL BE TION.	RING CAPACITY OF 2500 PSF. EAD THE GEOTECHNICAL RADE INFORMATION GIVEN NG EXACT QUANTITIES OF CUT PREPARED AS NOTED IN THE	7 8 9
4.	A QUALIFIED AND REGISTERED GEOTECH PROJECT IS LOCATED AND WORKING FOR CONFORMANCE OF THE FOUNDATION BEA ABOVE, AND ALL OTHER CONTRACT DOCU ARCHITECT AND ENGINEER-OF-RECORD O DESIGN CRITERIA OR CONTRACT DOCUME	NICAL ENGINEER, LICENSED I R THE TESTING LABORATORY, ARING STRATA WITH THE FOL JMENTS. TESTING LABORATO OF ANY CONDITIONS NOT IN A ENTS.	IN THE STATE WHERE THE SHALL DETERMINE INDATION DESIGN CRITERIA IRY SHALL NOTIFY CONTRACTOR, CCORDANCE WITH FOUNDATION	1
5.	THE CONTRACTOR SHALL BE RESPONSIBI	LE FOR DETERMINING EXACT	QUANTITIES OF CUT AND FILL	1
6.	AVOID DAMAGE TO UNDERGROUND UTILIT SANITARY SEWERS AND BURIED CABLES	FIES INCLUDING, BUT NOT LIM WHICH MIGHT EXTEND ACRO	IITED TO, WATER MAINS, SS OR ADJOIN SITE.	1
	CONCRETE			1
1.	MINIMUM COMPRESSIVE STRENGTH (fc) A	T THE END OF 28 DAYS SHAL	L BE AS FOLLOWS:	
	A. FOOTINGS B. INTERIOR SLABS-ON-GRADE		4500 PSI 3000 PSI	1
	MAXIMUM WATER/CEMENT RATIOS SHALL	BE 0.45. CONCRETE SHALL B	E NORMAL WEIGHT (145 PCF),	
2.	EXTERIOR CONCRETE AND CONCRETE EX WITH 6% (±1.5%) ENTRAINED AIR BY VOLU FLOOR TO EXCEED 3%.	POSED TO FREEZE-THAW CY ME. DO NOT ALLOW AIR CON	CLES SHALL BE AIR-ENTRAINED	2
3. 4.	MATERIALS OR ADMIXTURES SHALL NOT (REINFORCING STEEL SHALL MEET THE FC	CONTAIN ANY CALCIUM CHLO DLLOWING:	RIDE.	3
		ASTM	I SPECIFICATION	
	A. DEFORMED BARS B. WELDABLE DEFORMED BARS C. WELDED WIRE REINFORCEMENT	A6 A7	615, GRADE 60 706, GRADE 60 A1064	
5.	PROVIDE MINIMUM CONCRETE CLEAR CO	VER FOR REINFORCEMENT P	ER ACI 318, UNLESS NOTED	
6.	WELDING SHALL MEET ANSI / AWS D1.1, S "STRUCTURAL WELDING CODE FOR REINF DEFORMED BAR ANCHORS SHALL BE 90 K	TRUCTURAL WELDING CODE . ORCING STEEL" LATEST REV	AND ANSI / AWS D1.4 ISION. ELECTRODES FOR	
7.	WHERE DOWELS ARE INDICATED BUT NOT OF MAIN REINFORCING STEEL AND LAP SP STEEL SHALL BE SPLICED AS NOTED IN TH	T SIZED, PROVIDE DOWELS TI PLICE WITH THE MAIN REINFO HE REINFORCING LAP SCHED	HAT MATCH SIZE AND LOCATION DRCING STEEL. REINFORCING ULE.	4
8.	"C.J." INDICATES SAW CUT CONTRACTION SLAB-ON-GRADE. REFERENCE CAST-IN-PL METHODS. SLAB POURS SHALL BE SEPAR CONTRACTION/CONSTRUCTION JOINTS SH THE ENGINEER-OF-RECORD.	JOINT OR DOWELED CONSTR ACE CONCRETE SPECIFICAT ATED BY A DOWELED CONST HALL BE LOCATED AS SHOWN	RUCTION JOINT IN ION FOR ACCEPTED SAW CUT RUCTION JOINT. I ON PLANS OR AS DIRECTED BY	6
9. 10.	PROVIDE CORNER BARS THAT MATCH ANI INTERSECTIONS AND CORNERS OF WALLS ANCHOR BOLTS AND EMBED PLATES SHA	D LAP CONTINUOUS REINFOR S AND FOUNDATIONS. LL BE TIED INTO THE REINFOI	CEMENT SIZE AND QUANTITY AT	8
	PLACE WITH A RIGID TEMPLATE TO PREVE	ENT MOVEMENT DURING CON	CRETE PLACEMENT.	9
	STRUCTURAL STEEL			
1.	STRUCTURAL STEEL SHALL MEET THE FO	LLOWING MINIMUM YIELD STF YIELD	RESS (Fy): ASTM SPECIFICATION	
	A. BARS, PLATES, CHANNELS, ANGLES:B. SQUARE, RECTANGULAR HSS:C. ANCHOR RODS:	36 KSI 50 KSI 36 KSI, WELDABLE	A36 A500, GRADE C F1554	1
2.	BOLTS FOR STEEL BEAM AND COLUMN CO	ONNECTIONS SHALL BE 3/4-IN	CH DIAMETER (MIN.) ASTM F3125,	1
3.	GRADE A325-N HIGH-STRENGTH BOLTS UN ALL BOLTED JOINTS SHALL BE SNUG TIGH FOR PRETENSIONED OR SLIP-CRITICAL JC WITH MATCH MARKING, TWIST-OFF-TYPE E1852) OR DIRECT TENSION INDICATORS	VLESS NOTED OTHERWISE IN T UNLESS NOTED OTHERWIS DINTS, THE METHOD OF INSTA TENSION CONTROL BOLT ASS (ASTM F959)	CONTRACT DOCUMENTS. E IN CONTRACT DOCUMENTS . ALLATION SHALL BE TURN-OF-NUT SEMBLIES (ASTM F3125, GRADE	
4.	WELDING SHALL MEET ANSI / AWS D1.1, S SHALL BE 70 KSI, LOW HYDROGEN.	TRUCTURAL WELDING CODE	LATEST REVISION. ELECTRODES	1
5.	WELDS NOT SPECIFICALLY SIZED ON THE THE LATEST AWS D1.1.	STRUCTURAL DRAWINGS SH	ALL BE THE MINIMUM SIZE PER	
6.	PROVIDE DOUBLE NUTS AND DOUBLE WAS ADJUSTMENT IN BASE PLATE ELEVATION. AFTER ERECTION. USE 2 1/2 INCH NON-SH DIAMETER OR LARGER. NON-SHRINK GRO	SHERS FOR STEEL COLUMN A PROVIDE 1 1/2 INCH NON-SHI RINK GROUT WHEN COLUMN UT SHALL BE NON-METALLIC	ANCHOR BOLTS TO ALLOW FOR RINK GROUT UNDER BASE PLATE ANCHOR BOLTS ARE 1 1/4 INCH WITH A MINIMUM COMPRESSIVE	2
7.	LEDGER ANGLES AND LINTELS IN EXTERIO	OR WALL SYSTEMS SHALL BE	HOT DIP GALVANIZED PER ASTM	3
8.	AL23. ALL CONNECTIONS NOT FULLY DETAILED DETAILED BY A PROFESSIONAL ENGINEER THE CONNECTION DESIGN ENGINEER SHA THE DESIGN AND DETAILING SHALL COMP	IN THE CONTRACT DOCUMEN R LICENSED IN THE STATE WH ALL BE EMPLOYED OR RETAIN LY WITH ALL APPLICABLE CO	ITS SHALL BE DESIGNED AND IERE THE PROJECT IS LOCATED. IED BY THE STEEL FABRICATOR. DES AND SPECIFICATION	
9.	THE GENERAL CONTRACTOR SHALL BE RE MISCELLANEOUS STEEL SHOWN IN THE C ARE NOT LIMITED TO, MISCELLANEOUS ST	ESPONSIBLE FOR INCLUDING ONTRACT DOCUMENTS. THES TEEL ITEMS SHOWN ON THE S	THE COSTS FOR ALL SE COSTS SHALL INCLUDE, BUT STRUCTURAL, ARCHITECTURAL,	4
10.	AT ALL GALVANIZED OR PAINTED STEEL M GALVANIZING, PAINT OR PRIMER PRIOR TO COMPLETE AND INSPECTOR APPROVED F	INICAL DRAWINGS AND IN TH IEMBERS WITH FIELD WELDE O FIELD WELDING AS REQUIR PREPARE AND REPAINT THE F	IL SECURICATIONS. D CONNECTIONS, REMOVE ED. AFTER WELDING IS FRAMING SURFACES	5

WOOD FRAMING

- WOOD FRAMING SHALL MEET THE NDS MINIMUM STRESS PROPERTIES UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS
- A. DOUGLAS FIR SOUTH #2 OR BETTER, PER THE NDS B. GLULAM BEAMS: 24F-V4 DF/DF, PER THE NDS
- 1. E = 1,800,000 PSI
- C. LAMINATED VENEER LUMBER (LVL): 1. Fb = 2,600 PSI
- 2. Ft = 1,555 PSI
- . 3. Fc = 2,510 PSI (PARALLEL TO GRAIN)
- 4. Fc = 750 PSI (PERPENDICULAR TO GRAIN)
- 5. Fv = 285 PSI (PARALLEL TO GRAIN)

6. E = 2,000,000 PSI 2. PROVIDE SIMPSON STRONG-TIE CONNECTORS OR EQUIVALENT FOR WOOD FRAMING CONNECTING TO SUPPORTING MEMBERS. INSTALL WITH MANUFACTURER'S SPECIFIED FASTENERS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. SUBSTITUTION REQUESTS FOR CONNECTORS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARDS AS REQUIRED BY THE BUILDING CODE.

GENERAL NOTES

- ALL ROOF, FLOOR AND EXTERIOR WALL SHEATHING SHALL BE APA RATED EXPOSURE 1 SHEATHING [U.N.O.] AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.
- INSTALL ROOF AND FLOOR SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO SUPPORTS UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS, AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS, UNLESS NOTED OTHERWISE. SPACE PANELS 1/8" APART AT EDGES AND ENDS.
- ALL ROOF SHEATHING SHALL HAVE A MINIMUM THICKNESS OF 15/32 INCH WITH A SPAN RATING OF AT LEAST 32/16 AND BE FASTENED TO ROOF FRAMING NAILED WITH 8d GALVANIZED COMMON NAILS AT 6" O.C. AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. 8d COMMON NAILS SHALL HAVE A MINIMUM 0.131 INCH DIAMETER AND 1 3/8 INCH MINIMUM PENETRATION INTO SUPPORTING FRAMING.
- ALL EXTERIOR WALL SHEATHING SHALL HAVE A MINIMUM THICKNESS OF 5/16 INCH AND BE FASTENED TO WALL STUDS WITH 6d GALVANIZED COMMON NAILS AT 6 INCHES ON CENTER AT EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. [PROVIDE BLOCKING AT UNSUPPORTED PANEL EDGES]. 6d COMMON NAILS SHALL HAVE A MINIMUM 0.113 INCH DIAMETER AND 1 1/4 INCH MINIMUM PENETRATION INTO SUPPORTING FRAMING.
- INSTALL ALL JOISTS, RAFTERS, HEADERS AND BEAMS CROWN UP.
- REFERENCE DETAILS FOR CUTTING, BORING OR NOTCHING OF FRAMING MEMBERS, WALL STUDS AND TOP PLATES. FASTEN PLIES OF ENGINEERED WOOD PRODUCTS TOGETHER PER THE MANUFACTURER'S
- RECOMMENDATIONS OR AS DETAILED IN THE CONSTRUCTION DOCUMENTS. REFERENCE BUILT-UP COLUMN AND BEAM DETAILS FOR NAILED BUILT-UP COLUMN AND BEAM REQUIREMENTS. SPLICES IN MULTIPLE BUILT-UP MEMBERS ARE NOT PERMITTED, U.N.O. PROVIDE SLIP CONNECTION AT TOP OF ALL NON-LOAD BEARING WALLS TO ALLOW FOR 1 1/2"
- DEFLECTION OF FRAMING ABOVE. ALL WOOD IN CONTACT WITH CONCRETE AND EXTERIOR MASONRY SHALL BE PRESERVATIVE
- TREATED
- ALL STEEL CONNECTORS AND FASTENERS USED WITH PRESERVATIVE TREATED WOOD SHALL BE GALVANIZED (G90).
- NAILING SHALL COMPLY WITH REQUIREMENTS OF NAILING SCHEDULE UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS.
- ALL NAILS SHOWN ON PLAN ARE 'COMMON', UNLESS NOTED OTHERWISE. REFERENCE NAIL SIZE SCHEDULE FOR REQUIRED COMMON NAIL SIZES.

SHOP-FABRICATED WOOD TRUSSES

- ALL TRUSSES SHALL BE PRE-ENGINEERED AND SHOP FABRICATED. TRUSSES AND CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE AF&PA N.D.S. TRUSSES SHALL CONFORM TO THE SPACING, DIMENSIONS AND CONFIGURATIONS SPECIFIED IN THESE NOTES AND ON THE PLANS AND SHALL BE DESIGNED FOR ALL SPECIFIED LOADS. FRAMING PLANS INDICATE THE REQUIRED BASIC TRUSS LAYOUT. SIGNIFICANT DEVIATIONS FROM THESE PLANS WILL NOT BE PERMITTED.
- TRUSS MANUFACTURER SHALL SUBMIT STRUCTURAL CALCULATIONS AND SHOP DRAWINGS, INCLUDING AN ERECTION DRAWING SHOWING TRUSS LAYOUT PREPARED AS NOTED IN THE DEFERERED SUBMITTAL NOTE.
- ROOF TRUSS DESIGN LOADS (ASD):
- A. TOP CHORD
- . 1. ROOF LIVE LOAD = 20 PSF . 2. DEAD LOAD = 9 PSF
- . 3. SNOW LOAD = JOIST LOADING DIAGRAMS.
- B. BOTTOM CHORD
- . 1. DEAD LOAD = 8 PSF . 2. LIVE LOAD = AS REQUIRED PER GOVERNING BUILDING CODE
- C. SELF WEIGHT OF THE TRUSSES SHALL BE ADDED TO THE ABOVE LOADS.
- D. WIND LOADS = RE: DESIGN PARAMETERS
- E. ROOF TRUSS SHALL BE DESIGNED TO LIMIT THE MAXIMUM LIVE LOAD DEFLECTION TO SPAN/240 AND MAXIMUM TOTAL LOAD DEFLECTION TO SPAN/180 F. REFERENCE PLANS AND DETAILS FOR ADDITIONAL DESIGN LOADS OR SHEAR TRUSS/BLOCKING
- REQUIREMENTS
- TRUSS TOP CHORD SHALL BE DOUGLAS FIR SOUTH OR SOUTHERN PINE.
- TRUSSES SHALL BE FABRICATED WITH MINIMUM 20 GAUGE TRUSS PLATES HAVING A MINIMUM WOOD PENETRATION OF 0.37 INCH.
- TRUSSES AND CONNECTOR PLATES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF ANSI/TPI 1: NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION.
- TRUSS BEARING POINTS SHALL BE PINNED FOR THE DESIGN OF THE TRUSSES
- CEILINGS WILL NOT BRACE BOTTOM CHORDS. TRUSS MANUFACTURER SHALL DESIGN PERMANENT BOTTOM CHORD BRIDGING TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.
- TRUSS DESIGNER SHALL DESIGN AND SPECIFY THE TRUSS TO TRUSS AND THE TRUSS TO SUPPORT CONNECTIONS, U.N.O. ON THE DETAILS. PROPER ERECTION BRACING SHALL BE INSTALLED TO HOLD THE TRUSSES TRUE AND PLUMB AND IN
- SAFE CONDITION UNTIL PERMANENT TRUSS BRACING AND BRIDGING HAVE BEEN INSTALLED TO FORM A STRUCTURALLY SOUND FRAMING SYSTEM. ALL ERECTION AND PERMANENT BRACING SHALL BE INSTALLED AND ALL COMPONENTS PERMANENTLY FASTENED BEFORE THE APPLICATION OF ANY LOADS TO THE TRUSSES. ALL BRACING SHALL BE DESIGNED BY MANUFACTURER AND INDICATED ON SHOP DRAWINGS. ALL PREFABRICATED WOOD TRUSSES ARE TO BE INSTALLED IN ACCORDANCE WITH THE BUILDING COMPONENT SAFETY INFORMATION (BCSI), "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES".
- TRUSS MANUFACTURER SHALL ARRANGE TRUSS WEB MEMBERS AS REQUIRED BY DESIGN. REFERENCE ARCH. AND MECH. DRAWINGS FOR DUCT LAYOUT. PROVIDE CHASES IN TRUSSES TO ACCOMODATE DUCTS AS REQUIRED.
- DO NOT CUT, NOTCH OR OTHERWISE ALTER THE TRUSSES WITHOUT WRITTEN PERMISSION FROM THE FABRICATOR AND THE STRUCTURAL ENGINEER OR RECORD.

POST INSTALLED ANCHORS

- ANCHORS SHALL ONLY BE INSTALLED WHERE SPECIFIED ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO INSTALLING POST INSTALLED ANCHORS IN PLACE OF MISSING OR MIS-PLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REINFORCING. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE EOR PRIOR TO COMPLETION OF WORK.
- THE CONTRACTOR SHALL SUBMIT PRODUCT DATA WITH DESIGN VALUES AND PHYSICAL PROPERTIES FOR ALL POST INSTALLED ANCHORS. ADDITIONALLY, THE CONTRACTOR SHALL SUBMIT CERTIFIED ICC ES OR ESR REPORTS WHICH VERIFY COMPLIANCE WITH THE SPECIFIED CRITERIA.
- SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED ON THE CONTRACT DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER ALONG WITH CALCULATIONS THAT ARE SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARDS AS REQUIRED BY THE BUILDING CODE
- ALL HOLES SHALL BE DRILLED, DRY AND CLEANED AND ANCHORS SHALL BE INSTALLED IN ACCORDANCE PER ANCHOR MANUFACTURER'S WRITTEN SPECIFICATIONS. THE LATEST VERSION OF THE WRITTEN SPECIFICATION SHALL BE ON-SITE AND FOLLOWED DURING THE INSTALLATION OF THE ANCHORS.
- THE ANCHOR EMBEDMENT DEPTH SHALL BE DEFINED AS THE DEPTH FROM THE SURFACE FACE OF THE LOAD BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN FULLY INSTALLED INTO THE HOLE PER MANUFACTURER'S SPECIFICATIONS.
- ANCHORS EXPOSED TO WEATHER SHALL BE STAINLESS STEEL. CONTRACTOR SHALL FOLLOW THE LATEST VERSION OF MANUFACTURER'S SPECIFICATION DURING INSTALLATION OF ANCHORS.
- OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM.

DEFERRED STRUCTURAL SUBMITTALS (IBC 2018 SECTION 107.3.4.1)

THE FOLLOWING STRUCTURAL COMPONENTS SHALL BE DESIGNED AND SUBMITTED BY OTHERS FOR APPROVAL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

A. STRUCTURAL STEEL CONNECTIONS OF FRAMING AND BRACING ELEMENTS. B. STEEL, SELF-SUPPORTING STAIRS.

DOCUMENTS FOR DEFERRED STRUCTURAL SUBMITTAL ITEMS SHALL BE DESIGNED, SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER-OF-RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL AS REQUESTED WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED FOR DESIGN LOADS AND BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN CRITERIA OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

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IBC 2018	REQUIRED	SPECIAL	INSPECTIO	ONS

			FREQUENCY O	F INSPECT
			CONTINUOUS	PERIODI
	0.T.F			
1		EL CONSTRUCTION - STRUCTURAL STEEL (IBC SECTION 1705.2.1)	1 1	
1.		STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-16.		
	cor	NCRETE CONSTRUCTION (IBC TABLE 1705.3)		
1.		INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		Х
2.		REINFORCING BAR WELDING:		
	Α.	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;		Х
	В.	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND		Х
	C.	INSPECT ALL OTHER WELDS	X	
3.		INSPECT ANCHORS CAST IN CONCRETE.		Х
4.		INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. (a)		
	Α.	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	
	В.	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4 A.		Х
5.		VERIFY USE OF REQUIRED DESIGN MIX.		Х
6.		PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	
7.		INSPECT CONCRETE AND SHOTCRETE PLACEMENT OF PROPER APPLICATION TECHNIQUES.	X	
8.		VERIFY MAINTENANCE OF SPECIFIED CUREING TEMPERATURE AND TECHNIQUES.		Х
9.		INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		Х
		a. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, CONTACT THE STRUCTURAL ENGINEER-OF-RECORD FOR SPECIAL INSPECTION REQUIREMENTS.		
	wo	OD CONSTRUCTION - IBC SECTION 1705 5		
1.		SPECIAL INSPECTION OF THE FABRICATION PROCESS OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2.5. SPECIAL INSPECTION OF SITE BUILT ASSEMBLIES		
0		SHALL BE IN ACCORDANCE WITH SECTION 1705.5		X
2.		INSPECTION OF WOOD STRUCTURAL PANEL SHEATHING GRADE AND THICKNESS.		X
3.		APPROVED CONSTRUCTION DOCUMENTS. (required at wood high load diaphragms designed in accordance with 2306.2.)		X
4.		VERIFICATION OF THE NAIL OR STAPLE DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES AND THE SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREES WITH THE APPROVED CONSTRUCTION DOCUMENTS.		Х
5.		VERIFICATION THAT THE INSTALLATION OF THE PERMANENT INDIVIDUAL TRUSS RESTRAINT/BACKING HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE FOR WOOD TRUSSES WITH OVERALL HEIGHTS OF 60 INCHES OR GREATER.		Х
6.		VERIFICATION THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE AT METAL-PLATE-CONNECTED WOOD TRUSSES WITH A CLEAR SPAN OF 60'-0" OR GREATER.		Х
	so	US (IBC TABLE 1705.6)		
<u> </u>				
1.	1	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		Х
2.		VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		Х
3.		PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		Х
4.		VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Х	
5.		PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		Х
		** CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.		
		** PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.		

AISC 360-16 SPECIAL INSPECTION REQUIREMENTS

1. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.

2. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS.

3. NONDESTRUCTIVE TESTIING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE (QA). 4. THE QUALITY ASSURANCE INSPECTOR (QAI) SHALL REVIEW MATERIAL TEST REPORTS AND CERTIFICATIONS AS LISTED IN SECTION N3.2 FOR COMPLIANCE

WITH THE CONSTRUCTION DOCUMENTS.

5. FOR WORK PERFORMED BY APPROVED FABRICATORS AND ERECTORS: A. QA INSPECTIONS, MAY BE WAIVED WHEN THE WORK IS PERFORMED IN A FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ) TO PERFORM THE WORK WITHOUT QA.

B. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. WHEN THE FABRICATOR PERFORMS THE NDT, THE QA AGENCY SHALL REVIEW THE FABRICATOR'S NDT REPORTS.

C. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE FABRICATOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

D. AT COMPLETION OF ERECTION, THE APPROVED ERECTOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE ERECTOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

	AISC 360-16, CHAPTER N SPECIAL INSPECTION REQUIR		6		AISC 360-16, CHA
		FREQUENCY O	F INSPECTION OBSERVE		
N5.4 -	INSPECTION OF WELDING				AISC 360-16, TABLE N5.6-2 - INSPECTION
1	AISC 360-16, TABLE N5.4-1 - INSPECTION TASKS PRIOR TO WELDING		×	1.	FASTENER ASSEMBLIES PLACED IN ALL
2.	WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	X		2. 3.	FASTENER COMPONENT NOT TURNED B
3.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Х		4.	FASTENERS ARE PRETENSIONED IN ACC
4. 5	WELDER IDENTIFICATION SYSTEM (a)		X		STSTEMATICALLY FROM THE MOST RIGH
6.	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)				AISC 360-16, TABLE N5.6-3 - INSPECTION
A			X	1.	DOCUMENT ACCEPTANCE OR REJECTIO
	. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) . CLEANLINESS (CONDITION OF STEEL SURFACES)		X		** PERFORM - PERFORM THESE TASKS F
	. TACKING (TACK WELD QUALITY AND LOCATION)		Х		** OBSERVE - OBSERVE THESE ITEMS OF
E			X		INSPECTIONS.
/.			×	N5.7	- OTHER INSPECTION TASKS
B	DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)		X		
C	CLEANLINESS (CONDITION OF STEEL SURFACES).		X	1.	MAIN MEMBERS AND EXPOSED CORNER
	CONFIGURATION AND FINISH OF ACCESS HOLES		X		GALVANIZING.
9.	FIT-UP OF FILLET WELDS			N5 8	
A	DIMENSIONS (ALIGNMENT, GAPS AT ROOT)		X	110.0	
	. CLEANLINESS (CONDITION OF STEEL SURFACES)		X	1.	INSPECT THE STEEL TO VERIFY COMPLIA
			~	2.	INSPECT THE PLACEMENT OF ANCHOR F
 	AISC 360-16, TABLE N5.4-2 - INSPECTIONS DURING WELDING	1			ANCHOR ROD OR EMBEDDED ITEM, AND
1.	CONTROL AND HANDLING OF WELDING CONSUMABLES		<u> </u>		VERIFIED AND DOCUMENTED PRIOR TO
	EXPOSURE CONTROL		× X		** PERFORM - PERFORM THESE TASKS F
2.	NO WELDING OVER CRACKED TACK WELDS		Х		** OBSERVE - OBSERVE THESE ITEMS OF
3.					
	. PRECIPITATION AND TEMPERATURE		х Х		
4.	WELDING PROCEDURE SPECIFICATION (WPS) FOLLOWED				
A	SETTINGS ON WELDING EQUIPMENT		X		
	. TRAVEL SPEED		X		
). SHIELDING GAS TYPE / FLOW RATE		X		
E	. PREHEAT APPLIED		Х		
	. INTERPASS TEMPERTURE MAINTAINED (MIN./MAX.)		X		
5.	WELDING TECHNIQUES		~		
A	. INTERPASS AND FINAL CLEANING		Х		
	EACH PASS WITHIN PROFILE LIMITATIONS		X		
6.	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	X			
		•			
	AISC 360-16, TABLE N5.4-3 - INSPECTION TASKS AFTER WELDING	I	×		
2.	SIZE, LENGTH AND LOCATION OF WELDS	 X			
3.	WELDS MEET VISUAL ACCEPTANCE CRITERIA				
		X			
	. CRATER CROSS SECTION	X			
	. WELD PROFILES	Х			
		X			
	Di POROSITY	X			
4.	ARC STRIKES	X			
5.		X			
0. 7.	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	х Х			
8.	REPAIR ACTIVITIES	X			
9.		X			
11.	ULTRASONIC TESTING (UT) ON ALL CJP GROOVE WELDS IN BUTT. T- AND CORNER JOINTS. IN MATERIALS 5/16 INCH	 X			
	THICK OR GREATER (required in Risk Catgory III or IV)				
12.	ULI RASONIC TESTING (UT) ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16 INCH THICK OR GREATER (required in Risk Catgory II)				
13.	THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED USING MAGNETIC PARTICLE TESTING (MT) OR	Х			
	PENETRANT TESTING (PT), WHEN FLANGE THICKNESS EXCEEDS 2 INCHES FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2 INCHES FOR BUILT-UP SHAPFS				
14.	(see AISC 360-16, section N5-5c for additional special inspections for welded joints subject to fatigue)				
	a) I HE FABRICA I OR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS. IF USED. SHALL BE THE LOW STRESS TYPE.				
(1) WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE				
	K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.				
	ACCESS HOLE PER CRACKS.				
$\left - \right $	** OBSERVE - OBSERVE THESE ITEMS ON A RANDOM BASIS OPERATIONS NEED NOT BE DELAYED PENDING THESE				
	INSPECTIONS.				
1115.6	AISC 360-16, TABLE N5.6-1 - INSPECTION TASKS PRIOR TO BOLTING				
1.	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	X			
2.	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS		X		
J.	EXCLUDED FROM SHEAR PLANE		X		
4.	CORRECT BOLTING PROCEDURES SELECTED FOR JOINT DETAIL		Х		
5.	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION,		X		
6.	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR	Х	X		
7	FASTENER ASSEMBLIES AND METHODS USED				
1/.	IF NOTED FOR A DE LEVANDED FOR BULTO, NUTO, WAOMERO AND UTMER FAOTENER CUMPUNENTS				

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Structural and Civil Consultants 123 N. Martin Luther King Jr. Blvd. Tulsa, Oklahoma 74103 918.584.5858, 800.364.5858

PTER N SPECIAL INSPECTION REQUIREMENTS					
	FREQUENCY O	F INSPECTION			
	PERFORM	OBSERVE			
NS DURING BOLTING					
HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED		Х			
ONDITION PRIOR TO THE PRETENSIONING OPERATION		Х			
BY THE WRENCH PREVENTED FROM ROTATING		Х			
CORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING ID POINT TOWARD THE FREE EDGES		Х			
NS AFTER BOLTING					
ON OF BOLTED CONNECTIONS	Х				
FOR EACH BOLTED CONNECTION.					
IN A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE					
RUCTURAL MAIN MEMBERS EXPOSED CUT SURFACES OF GALVANIZED RS OF HSS SHALL BE VISUALLY INSPECTED FOR CRACKS SUBSEQUENT TO	Х				
IANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS.	Х				
RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR N DOCUMENTS. THE DIAMETER, GRADE, TYPE AND LENGTH OF THE D THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE, SHALL BE PLACEMENT OF CONCRETE	Х				
FOR EACH CONNECTION.					
N A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE					

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CLIENT:		
COVENANT GROL	IP, LLC	
PROJECT:		
BUILDING SHELL	- LEE'S SUMN	ит,
	J	
ADDRESS: 400 NW CHIPMAN	RD	
LEE'S SUMMIT, M	U 64806	
PROJECT NO:		267
MAIN C	ONTA	CT
CHRISTOPHER CL 7701 E KELLOGG	.ARK, AIA, NC DR, STE 630	ARB
WICHITA, KS 6720 (316) 302-4472 chris@clarkitecture	net	
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STRUCTURAL ELEMENT MINIMUM COMPRESSIVE STRENGTH (fc)								
300	0psi	400	0psi	4500psi				
P BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER			
28"	22"	25"	19"	23"	18"			
38"	29"	33"	25"	31"	24"			
47"	36"	41"	31"	38"	30"			
56"	43"	49"	37"	46"	35"			
81"	63"	71"	54"	67"	51"			
93"	72"	81"	62"	76"	59"			
105"	81"	91"	70"	86"	66"			
118"	91"	102"	79"	96"	74"			

wallace

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Structural and Civil Consultants

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5 1/2" MAX. D/2 MAX NOTCH GREATER THAN D/2 5 1/2" MAX NOTCH GREATER THAN D/2 MAX. SIZE OF HOLES IS 2" DIA. FOR 2x4 WALLS AND 4" DIA. FOR 2x6 WALLS

> AT HOLES GREATER THAN 1 1/2" DIA. INSTALL SIMPSON ST2215 STRAP BOTH SIDES

TYPICAL NAILING SCHEDULE	
ONNECTION	NAILING
RUSS/JOIST/RAFTER TO SILL, TOP PLATE, OR GIRDER	(3)-8d TOENAIL
RIDGING OR BLOCKING TO JOIST	(2)-8d TOE NAIL EA. END
RIDGING OR BLOCKING BETWEEN JOIST TO TOP PLATE	(3)-8d TOE NAIL EA. END
OTTOM PLATE TO JOIST OR BLOCKING	16d AT 24" O.C.
TUD TO TOP OR BOTTOM PLATE	(2)-16d END NAIL / (4)-8d TOE NAIL
TUD TO STUD AND BUILT-UP CORNER STUDS	10d AT 16" O.C. FACE NAIL OR 16d AT 24" O.C., FACE NAIL
OUBLE TOP PLATES, MIN. 24" OFFSET OF END JOISTS	10d AT 12" O.C. FACE NAIL 16d AT 16" O.C. FACE NAIL
OUBLE TOP PLATES AT END JOISTS, MIN. 24" OFFSET	(8)-16d EA. SIDE OF JOINT FACE NAIL
OP PLATES, LAPS AND INTERSECTIONS	(2)-16d FACE NAIL
IM JOISTS TO TOP PLATE	8d AT 6" O.C. TOE NAIL
DISTS TO BAND JOIST OR RIM JOIST	(3)-16d END NAIL
UILT-UP HEADER (2x TO 2x WITH 1/2" MAX. SPACER)	16d AT 16" O.C., FACE NAIL EA. EDGE
OUBLE TRUSSES (2x TO 2x CHORD MEMBERS)	16d AT 16" O.C., FACE NAIL EA. CHORD
UILT-UP BEAMS, (2x LAYERS WITH 3 OR MORE PLYS) RE: NOTE 4)	20d AT 32" O.C. FACE NAIL AT TOP AND BOTTOM AND STAGGERED ON OPPOSITE SIDES. TWO NAILS AT EA. END AND AT EA. SPLICE
ONTINUOUS HEADER TO STUD	(4)-8d TOE NAIL
EILING JOIST TO TOP PLATE	(3)-8d TOE NAIL
EILING JOIST LAP OF PARTITION	(3)-16d FACE NAIL
EILING JOIST TO PARALLEL RAFTERS	AS REQUIRED PER IBC
OLLAR TIE TO PARALLEL RAFTERS	(3)-10d FACE NAIL
AFTER TO 2x RIDGE BEAM	(2) 16d END NAIL/(3) 10d TOENAIL
AFTER TO VALLEY OR HIP RAFTER	(2) 16d END NAIL/(3) 10d TOENAIL
BRACE TO EA. STUD PLATE	(2)-8d FACE NAIL
EDGER STRIP	(3) 16d FACE NAIL AT EA. JOIST
'x6" SUBFLOOR OR LESS	(2)-8d FACE NAIL, EA. JOIST
/IDER THAN 1"x6" SUBFLOOR	(2)-8d FACE NAIL, EA. JOIST
' SUBFLOOR TO JOIST OR GIRDER	(2)-16d BLIND AND FACE NAIL
' PLANKS	(2)-16d FACE NAIL EA. BEARING
x6" SHEATHING	(2)-8d FACE NAIL EA. BEARING
x8" AND WIDER SHEATHING	(3)-8d FACE NAIL EA. BEARING

THE ABOVE ARE MIN. NAILING REQUIREMENTS. REFER TO GENERAL NOTES, DETAILS, AND SCHEDULES FOR MORE STRINGENT REQUIREMENTS. RE: IBC FASTENING SCHEDULE FOR MINIMUM WOOD FASTENING REQUIREMENTS NOT SHOWN. PROVIDE ADDITIONAL ROW OF NAILS WHEN DEPTH IS 14" OR GREATER. PROVIDE HOT-DIPPED ZINC-COATED GALVANIZED NAILS AT EXTERIOR FACE OF WALLS. 5. RE: GENERAL NOTES AND SHEAR WALL SCHEDULE FOR SHEATHING ATTACHMENT.

NOTES: 1. RE: PLANS FOR ANCHOR BOLT AND HOLDOWN LOCATIONS. 2. ALL SHEATHING TO BE APA RATED, EXPOSURE I. HOLDDOWN EMBEDMENT DOES NOT INCLUDE SLAB-ON-GRADE THICKNESS

SHEAR WALL SCHEDULE								
	NA	ILING	ANCHORS					
HING PANEL	AT PANEL EDGES AND BOUNDARIES	AT INTERMEDIATE FRAMING MEMBERS	SILL PLATE TO CONCRETE	HOLDOWN ANCHORS (RE: PLANS FOR LOCATIONS)	BUILT-UP END STUDS			
6" WOOD TURAL PANEL NE SIDE	6d AT 6" O.C.	6d AT 12" O.C.	5/8" DIA. SIMPSON TITEN HD ANCHOR AT 48" O.C. WITH 6" EMBEDMENT	(1) SIMPSON HDU4-SDS2.5 HOLDOWN WITH 5/8" DIA. HILTI HIT-HY 200 ADHESIVE WITH 12" EMBEDMENT	(2) 2x6			
6" WOOD TURAL PANEL NE SIDE	6d AT 4" O.C.	6d AT 12" O.C.	5/8" DIA. SIMPSON TITEN HD ANCHOR AT 48" O.C. WITH 6" EMBEDMENT	(1) SIMPSON HDU5-SDS2.5 HOLDOWN WITH 5/8" DIA. HILTI HIT-HY 200 ADHESIVE WITH 12" EMBEDMENT	(2) 2x6			

MECHANICAL GENERAL NOTES:

- PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT PROJECT AND REVIEW EXISTING CONDITIONS. NO ADDITIONAL MONIES WILL BE AWARD FOR "UNFORESEEN PROJECT CONDITIONS" CONTRACTOR SHALL INCLUDE IN HIS BID ALL MONIES REQUIRED FOR THE EXISTING PROJECT CONDITIONS. CONTRACTOR SHALL INFORM ARCHITECT AT TIME OF BID PROJECT CONDITIONS IN WHICH HE HAS DIFFICULTY IN WORKING AROUND.
- REFER TO ALL OTHER DRAWINGS IN THIS PROJECT, INCLUDING TO BUT NOT LIMITED TO THE ARCHITECTURAL. INTERIOR DESIGN, LIGHTING DESIGN, AND ELECTRICAL AND PERFORM ALL SCOPE ITEMS IDENTIFIED WITHIN THOSE DRAWINGS AS IF THEY ARE DIRECTLY INCORPORATED INTO THE MECHANICAL SET.
- FURNISH AND INSTALL ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY ITEMS AND MATERIALS OBVIOUSLY NECESSARY FOR A COMPLETE WORKING SYSTEM ALTHOUGH NOT SHOWN WITHIN THESE DOCUMENTS SHALL BE PROVIDED AS PART OF THE INITIAL BID.
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- OBTAINING PERMIT, INCLUDING LABOR AND FEES SHALL BE PROVIDED AS PART OF THE INITIAL BID.
- DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW FITTINGS AND OTHER SMALL ITEMS REQUIRED FOR A COMPLETE INSTALLATION. INSTALL DUCTWORK, EQUIPMENT AND CONTROLS IN A MANNER TO MINIMIZE NOISE, PROVIDE APPROPRIATE MAINTENANCE CLEARANCE IN THE SPACE ALLOCATED.
- MATERIALS AND LABOR SHALL BE WARRENTEED FOR ONE YEAR AFTER TAKEOVER.
- ALL DUCTWORK SHALL BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES, LATEST EDITIONS.
- PRIOR TO ORDERING ANY EQUIPMENT, THIS CONTRACTOR SHALL PROVIDE COORDINATION TO THE ELECTRICAL SUBCONTRACTOR AND STRUCTURAL REQUIREMENTS TO THE GENERAL CONTRACTOR. ANY COSTS DIFFERENCES WILL BE WORKED THROUGH THE GENERAL CONTRACTOR AT THIS TIME. PROVIDE TO THE ELECTRICAL SUBCONTRACTOR THE PHASE, AMPERAGE AND VOLTAGE OR EACH PIECE OF EQUIPMENT PRIOR TO ORDERING.
- CONTRACTOR SHALL REFER TO THE ELECTRICAL DRAWINGS, LIGHTING DESIGN DRAWINGS AND THE REFLECTED CEILING PLAN (RCP) WHEN INSTALLING THE CEILING DIFFUSERS AND RETURN GRILLS.
- COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR IN REGARDS TO DISCONNECTS, BREAKERS, POWER WIRING, MOTOR CONTROL DEVICES, MECHANICAL CONTRACTOR SHALL PROVIDE STARTERS, TRANSFORMERS, ETC AND COORDINATE THE INSTALLATION WITH THE ELECTRICAL SUBCONTRACTOR.
- PROVIDE UL LISTED, HEAVY DUTY FIBERGLAS CONNECTOR AT FAN. AIRHANDLERS, FAN COIL UNITS. ROOFTOP UNITS AND OTHER MECHANICAL EQUIPMENT WHERE THEY CONNECT TO SHEET METAL DUCTWORK. THE FIBERGLAS CONNECTOR SHALL BE INSTALLED WITH APPROPRIATE LENGTH TO ALLOW FOR VIBRATION AND NOISE TRANSMISSION.
- DUCTWORK SHALL BE GALVANIZED SHEET METAL INACCORDANCE WITH SMACNA GUILDELINES.
- ROUND FLEXIBLE CONNECTORS SHALL BE PROVIDED BETWEEN MAIN DUCT AND DIFFUSERS. PROVIDE THERMAFLEX PRO SERIES. UTILIZE SPIN-IN CONNECTORS WITH SCOOP AND ADJUSTABLE DAMPER FOR AIR CONTROL.
- 5. FLEXIBLE DUCTWORK SHALL BE INSTALLED FREE OF KINKS AND SHALL BE LIMITED TO 5'-0" IN LENGTH. DIAMETER SHALL BE THE SAME AS THE DIFFUSER NECK.
- ALL PORTIONS OF DUCTWORK VISIBLE THROUGH DIFFUSER AND RETURN GRILL OPENINGS SHALL BE PAINTED FLAT BLACK. ALL PORTIONS EXPOSED IN AREAS WITHOUT CEILING SHALL BE PAINTED PER THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL FIELD VERIFY SPACE REQUIREMENTS FOR DUCTWORK PRIOR TO MANUFACTURING. ADJUSTMENTS TO DUCT SIZES IS ACCEPTABLE AS LONG AS THE FOLLOWING FRICTION FACTORS ARE MAINTAINED:

SUPPLY: 0.08"/100FT 0.06"/100FT. RETURN:

- 8. ALL THERMOSTATS UNLESS OTHERWISE NOTED SHALL BE INSTALLED AT 4'-0" AFF. REFER TO INTERIOR DESIGN DRAWINGS FOR ACTUAL LOCATIONS.
- ALL DUCT DIMENSIONS SHOWN IN THIS SET REFERS TO CLEAR INSIDE DIMENSION. IF DUCTWORK IS LINED, INTERIOR SHEET METAL SIZE SHALL BE INCREASED TO ACCOUNT FOR THE LINEAR THICKNESS.

- 20. THE OWNER, OPERATOR, ARCHITECTURAL NOR ENGINEER ARE RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS, MEANS AND METHODS, WORK TECHNIQUES, CONSTRUCTION SEQUENCE OR PROCEDURES REQUIRED TO COMPLETE THE WORK.
- 21. ALL EXTERIOR WALL, AND ROOF PENETRATIONS
- SHALL BE SEALED WITH WATERPROOFING. 22. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR BARRIERS SHALL BE SEALED WITH

FIREPROOFING.

- 23. PROVIDE FIRE DAMPERS (FD) IN ALL FIRE RATED WALLS AS IDENTIFIED ON ARCHITECTURALS DRAWINGS. THE RATINGS OF THE FIRE DAMPERS SHALL MEET OR EXCEED THE RATING OF THE WALL IN WHICH IT IS INSTALLED. FIRE DAMPERS SHALL BE UL LISTED AND SHALL BE TYPE B (BLADES OUT OF THE AIR STREAM) OR TYPE C (100% FREE AREA). PROVIDE AND INSTALL DUCT MOUNTED ACCESS
- 24. ALL ACCESS PANELS REQUIRED FOR EQUIPMENT MAINTENAINCE SHALL BE FIELD COORDINATED WITH ARCHITECT. THESE DRAWINGS SHALL APPROXIMATE LOCATIONS, FINAL LOCATIONS SHALL BE COORDINATED IN THE FIELD.
- 25. AT EACH BRANCH TAKEOFF, PROVIDE MANUAL VOLUME DAMPERS FOR BALANCING. FOR EACH DIFFUSER TAKEOFF, PROVIDE ADJUSTABLE SPIN-IN CONNECTION.
- 26. PROVIDE DUCT LINER FOR THE FIRST TEN FEET OF SUPPLY AND THE LAST 10 FEET OF RETURN DUCTWORK FROM THE HVAC EQUIPMENT. THE REMAINING DUCTWORK SHALL BE WRAPPED WITH INSULATION. DUCT WRAP SHALL BE FOIL SCRIM KRAFT (FSK) VAPOR RETARDER FACING WITH AN R VALUE OF 6.0.
- 27. ALL THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE AND HAVE A 4 DEGREE DEADBAND.
- 28. INSTALL SMOKE DETECTOR IN THE SUPPLY AIR SYSTEM FOR ALL UNITS WITH CAPACITY GREATER THAN 2000 CFM. THE SMOKE DETECTOR SHALL BE INSTALLED DOWNSTREAM OF ANY FILTERS, FAN MOTORS, OUTDOOR AIR CONNECTIONS AND UPSTREAM OF ANY BRANCH CONNECTIONS ..
- 29. ALL MATERIAL INSTALLED WITHIN A RETURN AIR PLENUM SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
- 30. ALL WIRING INSTALLED WITHIN THE PLENUM SHALL BE PLENUM RATED OR INSTALLED WITHIN CONDUIT.
- 31. ALL EQUIPMENT INSTALLED ABOVE THE CEILING SHALL BE ACCESSIBLE. CONTRACTOR SHALL SUPPLY ACCES PANELS IN CEILING OR WALL AND SHALL COORDINATE WITH ARCHITECT FOR PROPER LOCATION. ACCESS PANELS IN CEILING SHALL BE A MINIMUM OF 24"x24" WITH HINGES. ACCESS PANELS SHALL HAVE SAME FIRE RATING AS CEILING IN WHICH THEY ARE INSTALLED.
- 32. EACH PIECE OF EQUIPMENT SHALL BE PERMANTLY LABELED IWTH A NAMEPLATE OF SUFFICIENT SIZE TO CLEARLY INDICATE THE EQUIPMENT DESIGNATION INACCORDANCE WITH THE DRAWINGS (IE PIU-1. RTU-1, ETC.). NAMEPLATES TO BE BAKED ENAMEL OR ALUMINUM WITH STAMPED LETTERS.
- 33. EACH DUCT OR PIPE WHICH PENETRATES ANY FIRE OR SMOKE PARTITION SHALL HAVE THE WALL OPENING SEALED WITH HILTI FIRE STOP TO PREVENT THE SPREAD OF SMOKE.
- 34. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE DISTURBED DURING THE COURSE OF CONSTRUCTION, SHALL BE REPAIRED TO LIKE NEW OR PREVIOUS CONDITION TO THE SATISFACTION OF THE ARCHITECT.
- 35. RECORD DRAWINGS:

THE CONTRACTOR SHALL MAINTAIN ON A DAILY BASIS AT THE PROJECT SITE A COMPLETE SET OF "RECORD DRAWINGS", REFLECTING AN ACCURATE DIMENSIONAL RECORD OF ALL BURIED OR CONCEALED WORK. THE "RECORD DRAWINGS" SHALL BE MARKED TO SHOW THE PRECISE LOCATION OF CONCEALED WORK, AND EQUIPMENT INCULDING CONCEALED OR EMBEDDED PIPING AND VAVLES AND ALL CHANGES AND DEVIATIONS FROM THE CONTRACT DOCUMENTS. THIS REQUIREMENT SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE CHANGES WORK WITHOUT APPROVAL FROM THE ARCHITECT.

- THE "RECORD DRAWINGS" SHALL BE CLEARLY MARKED WITH "RECORD DRAWINGS" INDICATED IN THE LOWER RIGHT CORNER OF THE DRAWINGS.
- 36. UPON THE COMPLETION OF THE HVAC SYSTEM INSTALLATION, PROVIDE A COMPLETE TEST AND BALANCE. THE TEST AND BALANCE SHALL MEASURE AIR FLOWS FOR EACH PIECE OF EQUIPMENT, DIFFUSER AND RETURN GRILL. SUBMIT TO ARCHITECT TEST AND BALANCE PLAN THREE DAYS PRIOR TO INTENDED START DATE.

PANEL FOR ALL NON-ACCESSIBLE FIRE DAMPERS.

					F	RTU	SCHEDU	LE					
MARK	CFM	MIN OA CFM	ESP IN WG	ΗP	COOLIN TOTAL	G CAP. SEN	MIXED AIR TEMPERATURES	HEATIN INPUT	G CAP. DUTPUT	BASIS DF DESIGN	EER (MIN)	WEIGHT (LB)	NDTES
<u>RTU-1</u>	2400	300	0.8	1.7	75.2	58.1	80° _{db} 67° _{wb}	72	59	CARRIER 48TCDA07	11.00	852	
<u>RTU-2</u>	2400	300	0.8	1.7	75.2	58.1	80° _{db} 67° _{wb}	72	59	CARRIER 48TCDA07	11.00	852	
<u>RTU-3</u>	2400	300	0.8	1.7	75.2	58.1	80° _{db} 67° _{wb}	72	59	CARRIER 48TCDA07	11.00	852	
<u>RTU-4</u>	2400	300	0.8	1.7	75.2	58.1	80° _{db} 67° _{wb}	72	59	CARRIER 48TCDA07	11.00	852	

COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

PROVIDE FACTORY SMOKE DETECTOR IN RETURN AIR PLENUM. PROVIDE REMOTE ANNUNCIATION, RESET, AND TEST SWITCHES FOR DUCT DETECTORS. PROVIDE FACTORY ENTHALPY AIR ÉCONOMIZER WITH BAROMETRIC RELIEF. PROVIDE FACTORY DISCONNECT AND GFI RECEPT

PROVIDE FACTORY INSULATED ROOF CURB.

Report date: 03/23/22 Data filename: C:\Users\Thomas Blomquist\SyncedFolder\Projects\~22 (collision 1)\22-202 Lees Summitt\HVAC Page 1 of 3

R-8 supply and return air duct insulation outside the building

Ducts located within equipment

Exception(s):

Project Title:

COMCHECK.cck

R-8 insulation between ducts and the building exterior when ducts are part of a building assembly

HVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor. Written HVAC balancing and operations report provided to the owner. The above post construction requirements have been completed.

Principal Mechanical Designer-Name Signature

provided to the owner

Project Title

COMCHECK.cck

s with interior and exterior temperature difference not exceeding 15°F.
al fasteners and sealants used to connect ducts and air distribution equip

Signature

HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment

Data filename: C:\Users\Thomas Blomquist\SyncedFolder\Projects\~22 (collision 1)\22-202 Lees Summitt\HVAC

03/23/2022

Report date: 03/23/22

Page 2 of 3

Date

RELEASED FOR CONSTRUCTION As Noted on Plans Review

Lee's Summit, Missour 05/13/2022

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PROJECT INFO

COVENANT GROUP - BUILDING

MAIN CONTACT

7701 E KELLOGG DR, STE 630

WICHITA, KS 67207

chris@clarkitecture.net

DEVELOPER

(316) 302-4472

CHRISTOPHER CLARK, AIA, NCARB

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SHEET INFO

ISSUED FOR: PERMIT

PROFESSIONAL'S SEAL:

HVAC NOTES AND SCHEDULES

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REVISION SCHEDULE

NO DESCRIPTION DATE

REVISION A

ISSUE DATE:

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04/08/22

04/25/22

04/08/22

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SHELL - LEE'S SUMMIT, MO

400 NW CHIPMAN RD

LEE'S SUMMIT, MO 64806

COVENANT GROUP, LLC

CLIENT:

PROJECT:

ADDRESS:

PROJECT NO:

 \square 10.Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in.

Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in.

9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics

SEE PLUMBING DRAWINGS FOR CONTINUATION OF GAS LINE.

SHUT-OFF VALVE -----

PROJECT INFO

CLIENT: COVENANT GROUP, LLC

PROJECT:

COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

ADDRESS:

PROJECT NO:

400 NW CHIPMAN RD LEE'S SUMMIT, MO 64806

MAIN CONTACT

CHRISTOPHER CLARK, AIA, NCARB 7701 E KELLOGG DR, STE 630 WICHITA, KS 67207 (316) 302-4472 chris@clarkitecture.net

267

DEVELOPER

	<u>Plumbing</u> gen	eral
1.	WORK COVERED BY THESE DOCUMENTS INCLUDES LABOR, MATERIAL, EQUIPMENT, FIXTURES AND SERVICES FOR AND INCIDENTAL TO, THE INSTALLATION OF THE PLUMBING SYSTEMS INDICATED WITHIN THESE CONSTRUCTION DOCUMENTS.	18.
2.	PRIOR TO SUBMITTING A BID, THIS CONTRACTOR SHALL VISIT THE PROJECT SITE TO VERIFY FIELD CONDITIONS. PRIOR TO BID, NOTIFY ARCHITECT OF ANY DISCREPANCIES WHICH MAY HINDER THE INSTALLATION OF THE SYSTEM AS INDICATED ON THESE DOCUMENTS.	19.
3.	ALL CUTTING AND CORING OF THE EXISTING FLOORS, WALLS, ETC SHALL BE PATCHED AND SEALED TO MATCH THE EXISTING CONDITIONS.	20.
4.	ALL WORK SHALL BE PREFORMED TO COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS. THIS CONTRACTOR IS RESPONSIBLE FOR THE LABOR AND COSTS ASSOCIATED WITH OBTAINING CONSTRUCTION PERMITS.	21.
5.	EXCEPT WHERE DIMENSIONS ARE SPECIFICALLY SHOWN, THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. THE EQUIPMENT'S ACTUAL SIZE WAS USED IN THE DEVELOPMENT OF THESE DOCUMENTS.	22. 23.
6.	REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS AND PENETRATION LOCATIONS.	
7.	THE DOCUMENTS DO NOT SHOW ALL NECESSARY FITTINGS AND OFFSETS FOR A COMPLETE INSTALLATION. ALTHOUGH NOT SHOWN, IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDED ALL NEEDED FOR A COMPLETE AND FUNCTIONING SYSTEM UPON THE COMPLETION OF THE PROJECT.	24.
8.	PRIOR TO ORDERING ANY EQUIPMENT, THIS CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR AND GENERAL CONTRACTOR. THIS CONTRACTOR SHALL PROVIDE, PHASE, AMPERAGE, AND VOLTAGE OF ALL EQUIPMENT TO THE ELECTRICAL SUBCONTRACTOR AND WEIGHTS AND DIMENSIONS TO THE GENERAL CONTRACTOR. ANY COST ISSUES SHALL BE DETERMINED PRIOR TO ORDERING THE EQUIPMENT.	25.
9.	VALVES AND FITTINGS SHALL BE THE SAME SIZE AS THE PIPING IN WHICH THEY ARE INSTALLED.	26.
10.	FOR ALL PENTRATIONS THROUGH EXTERIORS WALLS OR ROOF, SEAL WITH WATER PROOFING AND MAKE LEAK TIGHT.	27.
11.	FOR ALL PENTRATIONS THROUGH FIRE RATED WALLS, FLOORS AND BARRIERS PROVIDE FIRE STOPPING TO MAINTAIN FIRE RATING.	28.
12.	PROVIDE PIPE SUPPORTS AS REQUIRED BY THE LOCAL CODES IN EFFECT AS AS NECESSARY TO PREVENT SWAY.	29.
13.	CHANGES IN DIRECTION OF SANITARY PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL REDUCE THE FLOW VELOCITY OR CREATE ANY OTHER ADVERSE EFFECT ON THE GRAVITY FLOW OF THE SYSTEM.	30.
14.	ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR CHASES AS SHOWN IN THESE DOCUMENTS. PIPING ROUTED IN EXPOSED AREAS SHALL BE HELD TIGHT TO STRUCTURE AND PAINTED TO MATCH THE SURROUNDING STRUCTURE. PIPING IN MECHANICAL SPACES DO NOT REQUIRE PAINTING.	31.
15.	PROVIDE ACCESS PANELS FOR ALL VALVES. FIELD COORDINATE ACCESS PANEL LOCATIONS.	
16.	CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS PRIOR TO INSTALLATION AND AT THE INITAL SITE VISIT.	32.
17.	CONTRACTOR SHALL INSTALL DIELETRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.	33.

NOTES:

CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO EQUIPMENT USING MANUFACTURER'S CERTIFIED SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED IN AN ACCESSIBLE LOCATION. INSTALL VACUUM BREAKERS WHERE REQUIRED BY LOCAL AUTHORITIES.

INTERIOR PIPING SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO WALLS IN A WORKMANLIKE MANNER. PROVIDE OFFSETS AS REQUIRED TO AVOID INTERFERRENCES WITH ARCHITECTURAL OR STRUCTURAL COMPONENTS.

THE OWNER, OPERATOR, ARCHITECTURAL NOR ENGINEER ARE RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS, MEANS AND METHODS, WORK TECHNIQUES, CONSTRUCTION SEQUENCE OR PROCEDURES REQUIRED TO COMPLETE THE WORK.

SANITARY WASTE AND VENT PIPING LOCATED IN FIRE RATED WALL ASSSEMBLIES SHALL BE CAST IRON WITH NO-HUB OR BELL AND SPIGOT FITTINGS.

ALL FLOOR DRAINS TO HAVE TRAP PRIMER CONNECTIONS.

SANITARY: ABOVE AND BELOW GRADE SERVICE WEIGHT CAST IRON, NO-HUB PLAIN END MEETING ASTM A-888 AND CISPI STANDARD 301. ABOVE GRADE SERVICE WEIGHT CAST IRON HUB & SPIGOT ASTM A24-72 OR SCHEDULE 40 PVC DWV PIPE. PVC MAY BE USED IF APPROVEDBY LOCAL AUTHORITY HAVING JURISDICTION.

FITTINGS AND JOINTS: SERVICE WEIGHT CAST IRON, NO-HUB, PLAIN END MEETING ASTM A-888 AND CISPI STANDARD 301, COUPLINGS SHALL BE STAINLESS STEEL, HEAVY DUTY, NO-HUB. PVC SOCKET TYPE, SOLVENT WELDED PVC PLASTIC.

DOMESTIC WATER: ABOVE GRADE DOMESTIC WATER PIPE: TYPE L HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS, SOLDERED JOINTS, LEAD FREE SOLDER. PROVIDE 3/4" THICK FOR COLD WATER AND 1" THICK FOR HOT WATER PIPING, FIBERGLAS OR ARMAFLEX INSULATION. BELOW GRADE DOMESTIC WATER PIPING: TYPE K HARD DRAWN COPPER. NO JOINTS SHALL BE MADE BELOW GRADE.

ALL EQUIPMENT, FIXTURES, PIPING, VALVES AND FITTINGS SHALL BE CLEANED OF GREASE, OIL PINT, METAL SHAVINGS AND CONSTRUCTION DEBRIS BEFORE FINAL INSPECTION.

VALVES: DOMESTIC WATER: NIBCO, CRANE, OR MILWAUKEE.

INSTALLATION: ALL EQUIPMENT AND PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN REQUIREMENTS. PROVIDE ACCESS AND CLEARANCE FOR ALL EQUIPMENT REQUIRING MAINTENANCE.

GAS PIPING SHALL BE ROUTED FROM THE GAS METER, THRU EXTERIOR WALL AND UP INTO ROOF STRUCTURE. PIPING SHALL BE ROUTED TO EQUIPMENT TIGHT TO ROOF STRUCTURE.

TESTING: TEST SANITARY AND VENT PIPING PRIOR TO THE INSTALLATION OF FIXTURES. HYDROSTATIC TEST SHALL BE PERFORMED WITH PIPE CAPPED AT FIXTURE CONNECTIONS. FILL PIPING WITH WATER AND ALLOW TO STAND FOR ONE HOUR.

TEST DOMESTIC WATER PIPING PRIOR TO THE INSTALLATION OF FIXTURES. HYDROSTATIC TEST SHALL BE PERFORMED WITH PIPE CAPPED AT FIXTURE CONNECTIONS. HYDROSTATIC TEST PRESSURE SHALL BE 125 PSI AND HELD FOR ONE HOUR.

DOMESTIC WATER PIPING SHALL BE DISINFECTED PRIOR TO BEING BACK INTO SERVICE. DISINFECTION SHALL MEET THE REQUIREMENTS OF AWWA AND THOSE OF THE LOCAL AUTHORITY.

ALL PLUMBING FIXTURES SHALL BE HIGH EFFICIENCY.

PROJECT INFO

CLIENT: COVENANT GROUP, LLC

PROJECT:

COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

ADDRESS:

400 NW CHIPMAN RD LEE'S SUMMIT, MO 64806

PROJECT NO:

MAIN CONTACT

CHRISTOPHER CLARK, AIA, NCARB 7701 E KELLOGG DR, STE 630 WICHITA, KS 67207 (316) 302-4472 chris@clarkitecture.net

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DEVELOPER

PROFESSIONAL'S SEAL:

PLUMBING SCHEDULE, NOTES & DETAILS P0.01

C O V E N A N T R E A L E S T A T E G R O U P

SHEET INFO

ISSUE DATE: 04/08/22 ISSUED FOR: PERMIT

UED FOR: PERMIT

PROFESSIONAL'S SEAL:

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DEVELOPER

	ELECTRICAL LEGEND (NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS AND ARE USED AS APPLICABLE	TO THIS F	PROJECT)
SYMBOL	DESCRIPTION	REMARKS	MOUNTING HEIGHT TO CENTERLINE UNO
	POWER		
\frown	CONDUIT CONCEALED IN WALL OR CEILING CONDUIT CONCEALED IN FLOOR (OR BELOW GRADE ON SITE PLAN)		
	CONDUIT EXPOSED ON WALL OR CEILING HOMERUN CONDUIT		
	TELEPHONE CONDUIT CONCEALED UON (MIN 3/4")		
\sim	FLEXIBLE CONNECTION, TYPE AS NOTED		
	UNDERGROUND POWER		
<u>О</u> ч	WALL MOUNTED JUNCTION BOX		
U Owp	JUNCTION BOX WEATHERPROOF JUNCTION BOX		
J L	FLOOR MOUNTED JUNCTION BOX UNFUSED DISCONNECT SWITCH, RATING/POLES/NEMA RATING (60/3/1)		
	DISCONNECT BY OTHERS FUSED DISCONNECT SWITCH RATING/POLES/NEMA RATING/FUSE SIZE (60/3/3R/40)		
PP	POWER POLE WITH VOICE/DATA & POWER RACEWAYS		
	WATER HEATER ELECTRICAL PANEL		
EH (HA)	EQUIPMENT AS INDICATED		
	MAN HOLE (REFERENCE SPECIFICATIONS)		
Ť	REMOTE PUSH BUTTON		
 ⊕	SINGLE RECEPT., AMP., VOLTAGE, NEMA CONFIGURATION AS REQUIRED OR AS NOTED 120V. DUPLEX RECEPTACLE		18"
⊕= ⊖= _D	120V. COUNTER TOP DUPLEX RECEPTACLE 120V. DEDICATED DUPLEX RECEPTACLE		42" 18"
∯= ⊖=™	120V. QUADRAPLEX RECEPTACLE		18" SEE PLANS
GFI⊖ ■	120V. GFI RECEPTACLE 120V. SOLIARE OR ROLIND FLOOR BOX WITH (1) DUPLEX RECEPTACLE		
	SQUARE OR ROUND FLOOR BOX WITH (1) DUPLEX RECEPTACLE		
(PE) [TC]	PHOTO-ELECTRIC SWITCH ON-OFF TIME CLOCK		
LC	LIGHTING CONTACTOR		
-La PP	COMBINATION MOTOR STARTER DISCONNECT POWER POLE		
TVSS	LOW VOLTAGE COMMUNICATION CIRCUIT TRANSIENT VOLTAGE SURGE		
	CIRCUIT BREAKER MOTOR		
T PB	TRANSFORMER PULL BOX		
	DENOTES CONDUIT TURNING UP IN PLAN VIEW DENOTES CONDUIT TURNING DOWN IN PLAN VIEW		
HI <u>GHER JLO</u>	WER DENOTES CHANGE IN CONDUIT ELEVATION IN PLAN VIEW		
\$ _M	MOTOR RATED SWITCH		
ОП	LIGHITNG SURFACE MOUNTED INCANDESCENT OR FLUORESCENT LIGHT FIXTURE		
	SURFACE MOUNTED OR PENDENT FLUORESCENT LIGHT FIXTURE		
\bigcirc	RECESSED INCANDESCENT OR FLUORESCENT DOWN LIGHT FIXTURE		
	RECESSED INCANDESCENT OR FLOORESCENT EMERGENCE DOWN LIGHT FIXTORE		
ю Ю	RECESSED FLUORESCENT LIGHT FIXTURE SURFACE MOUNTED WALL INCANDESCENT OR HID LIGHT FIXTURE		
₩	RECESSED WALL INCANDESCENT OR HID LIGHT FIXTURE		
	EXIT LIGHT, WALL MOUNTED		
	EXIT LIGHT, WALL MOUNTED WITH DIRECTIONAL ARROW		
⊗ i ⊷□	AREA OR STREET LIGHT FIXTURE		
	AREA OR STREET LIGHT FIXTURE SINGLE POLE SWITCH		46"
\$3 \$₄	THREE-WAY SWITCH FOUR WAY SWITCH		46"
\$D	SINGLE POLE DIMMER SWITCH 600 WATT		46"
⊅т \$р	SINGLE POLE SWITCH WITH PILOT LIGHT		46 [°] 46 [°]
\$wp	SINGLE POLE SWITCH, WEATHERPROOF		46"
	SYSTEM		
	TELEPHONE OUTLET & PLATE GANG DATA OUTLET & PLATE		
-	COMBINATION TELEPHONE & DATA OUTLET		
	IELEPHUNE BAUKBUAKU		
	GROUNDING		
⊮⊕ ⊪⊫∞	GROUND ROD C/W INSPECTION SLEEVE		
•	EXOTHERMIC WELD CONNECTION		
	MECHANICAL CONNECTION (eg LUG, C-TAP)		

	ABBREVIATIONS
AFG	ABOVE FINISHED GRADE
	MOUNT ABOVE COUNTER
100	
ABC	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
	BEEOW TINISHED GRADE
BKK	BREAKER
С	CONDUIT
C/W	COMPLETE WITH
СКТ	CIRCUIT
CI	CENTER LINE
	CURRENT TRANSFORMER
DF	ELECTRIC DRINKING FOUNTAIN
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
FX	FXISTING
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBE	FURNISHED & INSTALLED BY
	ELECTRICAL CONTRACTOR
FBO	FURNISHED BY OTHERS, INSTALLE
	ELECTRICAL CONTRACTOR
FSCP	FIRE SUPPRESSION CONTROL PA
G	GROUND
GND	GROUND
GEC	GROUNDING ELECTRODE CONDUC
GFI	GROUND FAULT INTERRUPTER
HP	HORSEPOWER
1	ΙΟΝΙΖΑΤΙΟΝ
INIC	
	(GALVANIZED)
JB	JUNCTION BOX
kCMIL	THOUSAND CIRCULAR MILS
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MTS	MANUAL TRANSFER SWITCH
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	OVER COUNTER
Р	PHOTOELECTRIC
РМ	POWER MONITOR
RMC	
	DICID NON METALLIC CONDUIT
<u> </u>	SEPARATE UIKUUIT
SCH	SUHEDULE
SPST	SINGLE POLE SINGLE THROW
TB	TELEPHONE TERMINAL BOARD
THD	TOTAL HARMONIC DISTORTION
TVSS	TRANSIENT VOLTAGE SURGE SUPPI
11/C	
111	
	UNLESS NOTED OTHERWICE
	UNLESS NUTED UTHERWISE
W	WALL MOUNTED
WH	WAILR HEATER
WP	WEATHER PROOF, NEMA 3R

1.	ALL ELECTRICAL WORK ELECTRICAL CONTRACTO SPECIFICATIONS. FABRIC SHALL BE DONE IN A EXPERIENCED IN SUCH
2.	SUBMISSION OF BID FO CONTRACTOR IS FAMILIA PROJECT, REQUIREMENT LOCAL APPLICABLE COD
3.	ALL ELECTRICAL WORK THE LOCAL AUTHORITY
4.	SOME ASPECTS OF ELE FORM. IT IS THE RESP ACCURATELY AND CARF TO THE CONSULTANT A PROMPTLY CONSULT W
5.	ABBREVIATIONS AND AC ABBREVIATIONS SECTION STANDARD ABBREVIATIO IS REQUIRED PROMPTLY
6.	SCHEDULE AND COORD EQUIPMENT TO AVOID (

ADE NTER OOR ING CAPACITY ER SWITCH

JGE RADE

RMER FOUNTAIN

ICIATOR OL PANEL LLED BY

CTOR HERS, INSTALLED BY CTOR

CONTROL PANEL

RODE CONDUCTOR

ERRUPTER

ALLIC CONDUIT

AR MILS

NDUIT (GALVANIZED)

CONDUIT

E THROW AL BOARD ISTORTION

SURGE SUPPRESSOR

BORATORIES IERWISE

EMA 3R

GENERAL NOTES

SHOWN ON THESE DRAWINGS IS THE RESPONSIBILITY OF THE OR UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE ICATION AND INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM A FIRST CLASS WORKMANSHIP BY QUALIFIED TRADES PERSONS WORK.

FOR THE ELECTRICAL WORK INDICATES THAT THE ELECTRICAL LIAR WITH THE DESIGN INTENT, THE REQUIREMENTS OF THE NTS OF THE LOCAL ELECTRICAL AND TELEPHONE UTILITIES, AND DDES AND ORDINANCES.

SHALL CONFORM TO THE EDITION OF THE NEC ACCEPTED BY HAVING JURISDICTION.

ECTRICAL DESIGN ARE COMMONLY EXPRESSED IN SCHEMATIC PONSIBILITY OF THE ELECTRICAL CONTRACTOR TO INTERPRET THEM RRY OUT THE CONSTRUCTION AND/OR INSTALLATION SATISFACTORY AND THE OWNER. IN CASE OF ANY UNCERTAINTIES OR AMBIGUITIES WITH THE PROJECT MANAGER FOR CLARIFICATION.

CRONYMS USED ON THE DRAWINGS ARE DESCRIBED IN THE ON OF THE DRAWINGS. SOME COMMONLY USED AND INDUSTRY ONS AND ACRONYMS MAY NOT BE DESCRIBED. IF A CLARIFICATION LY CONTACT THE PROJECT MANAGER.

DINATE ALL WORK WITH OTHER TRADES BEFORE INSTALLATION OF CONFLICT DURING AND AFTER THE INSTALLATION.

LIGHTING CONTACTOR SCHEDUL NO. OF POLES CONTACT AMPERE RATING ENCLOSURE COIL REMARKS I.D. 30 LC1 120 CONTROLLED PHOTOCELL ON - T 20 NEMA 1

YPE	MANUFACTURER	CATALOG NUMBER	NUMBER & SIZE LAMPS	MOUNT	REMARKS
А	LITHONIA OR APPROVED EQUAL	ZL1D L48 5000LM FST MVOLT 35K 80 CRI WH	LED	CHAIN HANG	LED SURFACE OR CHAIN 1x4 FIXTURE STRIP LIGHT FIXTURE
BE	LITHONIA OR APPROVED EQUAL	BLWP2-TUWH PROR -40L EL14L	LED INCLUDED	WALL MOUNTED	2 FEET LED STRIP LIGHTS WALL MOUNTED WITH 90 MINUTES BATTERY BACK UP
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
OA	MCGRAW-EDISON OR APPROVED EQUAL	OW1335-120V	LED INCLUDE	WALL	LED WALL-MOUNTED FULL CUTOFF FIXTURE WITH. CONTRACTOR TO FURNISH NECESSARY ACCESSORIES INSTALL ON THE WALL.
sc	OR APPROVED EQUAL	IST-AF-350-LED-E1-T3-BRZ-7050-120V	LED INCLUDE		DECORATIVE WALL SCONCE WALL-MOUNTED
P1	VINTAGE OR APPROVED EQUAL	VNTW-3500L-50K-DIM-3M-BZ	LED INCLUDE	25FT POLE	LED WITH TYPE 3 MEDIUM OPTICS WITH FULL CUTOFF AT THE PROPERTY LINE. PROVIDE DARK BRONZE ROUND STEEL
их	LITHONIA DR APPROVED EQUAL	LHQM-S-W-1-G-120V	INCLUDED	+ 3 FEET BASE WALL	POLE. EXIT AND EMERGENCY BATTERY PACK LIGHT COMBO GREEN LETTER AND WHITE HOUSING. EXIT SIGN SHOULD HAVE 90 MINUTE BATTERY BACK UP AND MORE THAN 5 FOOT CANDIF.
MXT	LITHONIA DR APPROVED EQUAL	AFN-W-EXT	WALL	LED	LED WALL PACK WITH EMERGENCY BATTERY BACK UP FOR EXTERIOR. MOUNT ABOVE

CONTACTOR "LC1" -----(SEE SCHEDULE SHEET )

![](_page_29_Picture_34.jpeg)

E	
IMECLOCK	OFF

![](_page_29_Figure_37.jpeg)

# TYPICAL OUTSIDE LIGHTING CONTROL

![](_page_29_Figure_39.jpeg)

RELEASED FOR CONSTRUCTION As Noted on Plans Review

pment Service Lee's Summit, I

05/13/2

### A. GENERAL

- 1. EXAMINE THE SITE CONDITIONS VERY CAREFULLY AND THE SCOPE OF PROPOSED WORK TOGETHER WITH THE WORK OF ALL OTHER TRADES AND INCLUDE IN THE BID PRICE ALL COSTS FOR WORK SUCH AS EQUIPMENT AND WIRING MADE NECESSARY TO ACCOMMODATE THE ELECTRICAL SYSTEMS SHOWN AND SYSTEMS OF OTHER TRADES.
- 2. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- 3. PERFORM DETAILED VERIFICATION OF WORK PRIOR TO ORDERING THE ELECTRICAL EQUIPMENT AND COMMENCING CONSTRUCTION. ISSUE A WRITTEN NOTICE TO THE CONSULTANT OF ANY DISCREPANCIES.
- 4. OBTAIN ALL PERMITS, PAY ASSOCIATED FEES AND SCHEDULE INSPECTION.
- 5. SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. INDICATE DETAILS OF CONSTRUCTION, DIMENSIONS, CAPACITIES, WEIGHTS AND ELECTRICAL PERFORMANCE CHARACTERISTICS OF EQUIPMENT OR MATERIAL. WHERE APPLICABLE INCLUDE WIRING AND SINGLE LINE DIAGRAMS. ADVERTISING OR SALES LITERATURE SHALL NOT BE ACCEPTABLE AS SHOP DRAWINGS.
- 6. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INSURANCE AND SERVICES TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PRESENT IT AS FULLY OPERATIONAL TO THE SATISFACTION OF THE OWNER.
- 7. CARRY OUT WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
- 8. PRIOR TO BEGINNING WORK COORDINATE ALL POWER AND TELCO WORK WITH THE LOCAL UTILITY COMPANIES AS IT MAY APPLY TO THIS SITE. ALL WORK TO COMPLY WITH THE RULES AND REGULATIONS OF THE UTILITIES INVOLVED.
- 9. PROVIDE ALL CUTTING AND PATCHING NECESSARY FOR THE INSTALLATION OF THE ELECTRICAL WORK. ANY DAMAGE DONE TO THE WORK ALREADY IN PLACE BY REASON OF THIS WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE BY A QUALIFIED MECHANIC EXPERIENCED IN SUCH WORK. PATCHING SHALL BE UNIFORM IN APPEARANCE AND SHALL MATCH THE SURROUNDING SURFACE. DO NOT CUT STRUCTURAL MEMBERS WITHOUT APPROVAL OF THE CONSULTANT.
- 10 CORE DRILLING THROUGH WALLS AND FLOORS FOR CONDUIT AND CABLE INSTALLATION IS TO BE PROVIDED BY THE GENERAL CONTRACTOR AT LOCATIONS DETERMINED BY THE STRUCTURAL ENGINEER. REFER TO STRUCTURAL DRAWINGS AND COORDINATE WITH GENERAL CONTRACTOR FOR INSTALLATION OF CONDUITS AND CABLES THROUGH WALLS AND FLOORS.
- 11. WHERE CABLE OR CONDUITS PASS THROUGH FLOORS AND FIRE RATED WALLS, SEAL CORE DRILLED OPENINGS AROUND CONDUITS OR CABLES USING UL APPROVED FIRE-STOPPING SYSTEM AND UL LISTED SEALANT.
- 12. ENSURE THAT ALL LIGHT, POWER, HEAT, TELEPHONE AND OTHER ELECTRICAL AND MECHANICAL SYSTEMS AND SERVICES IN THE BUILDING REMAIN OPERATIONAL DURING THE COURSE OF THIS PROJECT. PROVIDE TEMPORARY SERVICES AS REQUIRED. INCLUDE ALL COSTS FOR TEMPORARY SERVICES IN THE BID PRICE. REMOVE ALL EXISTING EQUIPMENT, WIRING ETC. NOT BEING RE-USED UNDER NEW SCHEMES, WHETHER SHOWN ON DRAWINGS OR NOT.
- 13. FABRICATION AND INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM SHALL BE DONE IN A FIRST-CLASS WORKMANSHIP MANNER PER NECA STANDARD 1-2000 BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH WORK. WORK SHALL BE SCHEDULED IN AN ORDERLY MANNER SO AS NOT TO IMPEDE PROGRESS OF THE PROJECT.
- 14. DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE ELECTRICAL SYSTEMS, LOCATING EACH CIRCUIT PRECISELY AND DIMENSIONING EQUIPMENT, CONDUIT AND CABLE LOCATIONS UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLACK LINE PRINTS OF THE ORIGINAL DRAWINGS IN RED AND SUBMIT THESE DRAWINGS AS RECORD DRAWINGS TO THE CONSULTANT.
- 15. AT THE COMPLETION OF THE PROJECT PROVIDE THREE SETS OF OPERATION AND MAINTENANCE MANUALS, BOUND IN 3-RING BINDERS, DULY LABELED, AND CONTAINING COMPLETE LIST OF REPLACEMENT PARTS, SHOP DRAWINGS AND CATALOG INFORMATION OF ALL MAJOR EQUIPMENT, SUCH AS TRANSFORMERS, LUMINAIRES, PANEL BOARDS, TRANSFER SWITCH, PANEL SCHEDULE, A/C SYSTEMS, TVSS, SECURITY SYSTEM, ETC.
- 16. THE COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF TIME OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE UPON WRITTEN NOTIFICATION AT THE EXPENSE OF THE CONTRACTOR.

### B. SERVICE AND DISTRIBUTION

- 1. CONTRACTOR TO COORDINATE WITH LANDLORD AND/OR UTILITIES FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOK UP COSTS TO BE PAID BY CONTRACTOR. CONTRACTOR TO OBTAIN NECESSARY PERMITS, PAY ALL ASSOCIATED FEES AND SCHEDULE INSPECTIONS OF SERVICE WITH LOCAL AUTHORITIES HAVING JURISDICTION.
- 2. MAIN DISTRIBUTION CONFIGURATION SHALL BE BASED ON THE DESIGN INTENT.
- 3. VERIFY ALL DIMENSIONS AND CLEARANCES BY FIELD MEASUREMENTS PRIOR TO INSTALLATION.
- 4. BRANCH CIRCUIT PANEL BOARDS SHALL BE OF THE TYPE AND RATINGS AS SHOWN ON DRAWINGS. PANEL BOARDS SHALL BE CUTLER-HAMMER TYPE PRL2A OR APPROVED EQUAL. DISTRIBUTION BOARD SHALL BE CUTLER-HAMMER TYPE POW-R-LINE 4B OR APPROVED EQUAL.
- 5. PANEL BOARDS AND SPLITTERS SHALL HAVE COPPER MAINS AND SHALL BE OF THE CHARACTERISTICS AS NOTED ON THE DRAWINGS. AFTER COMPLETION OF WIRING. PROVIDE A TYPED DIRECTORY SHOWING A CLEAR DESCRIPTION OF EACH CIRCUIT BEING FED FROM PANEL AND PLACE IN METAL FRAME INSIDE DOOR.

### C. BASIC MATERIALS AND METHODS

- 1 INSTALLATION, MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL SAFETY CODE (NEC), APPLICABLE STATE ELECTRICAL CODES, THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE TERMS, CONDITIONS AND REGULATIONS OF THE AUTHORITY HAVING LAWFUL JURISDICTION PERTAINING TO THE WORK REQUIRED. ALL MATERIAL, EQUIPMENT AND DEVICES SHALL CONFORM TO THE APPLICABLE STANDARDS OF THE UNDERWRITERS LABORATORIES INC. (UL). THE LABEL OF AND LISTING BY UL IS MANDATORY
- 2. ALL MATERIALS AND EQUIPMENT SHALL BE NEW. MATERIALS AND EQUIPMENT SHALL BE THE STANDARD PRODUCTS OF MANUFACTURER'S CURRENT DESIGN. ANY FIRST-CLASS PRODUCT MADE BY A REPUTABLE MANUFACTURER MAY BE USED PROVIDING IT CONFORMS TO THE CONTRACT REQUIREMENTS AND MEETS THE APPROVAL OF THE CONSULTANT AND THE OWNER. APPROVALS SHALL BE OBTAINED PRIOR TO INSTALLATION.
- 3. ARRANGE CONDUIT, WIRING, EQUIPMENT, AND OTHER WORK GENERALLY AS SHOWN, PROVIDING PROPER CLEARANCES AND ACCESS. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS AND FIT THE WORK IN EACH LOCATION WITHOUT SUBSTANTIAL ALTERATION. WHERE DEPARTURES ARE PROPOSED BECAUSE OF FIELD CONDITIONS OR OTHER CAUSES, PREPARE AND SUBMIT DETAILED DRAWINGS FOR ACCEPTANCE. THE RIGHT IS RESERVED TO MAKE REASONABLE CHANGES IN LOCATION OF EQUIPMENT, CONDUIT, AND WIRING UP TO THE TIME OF ROUGH-IN OR FABRICATION.
- 4. THE CONTRACT DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ALL OFFSETS, BENDS, FITTINGS, PULL BOXES AND ACCESSORIES ARE NOT NECESSARILY SHOWN. PROVIDE ALL SUCH ITEMS AS MAY BE REQUIRED TO FIT THE WORK TO THE CONDITIONS.
- 5. MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL BE VERIFIED WITH THE CONSULTANT PRIOR TO INSTALLATION. 6. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R RATED UNLESS NOTED
- OTHERWISE.
- 7. MAINTAIN ALL CLEARANCES AS REQUIRED BY NEC.
- 8. SEAL AROUND CONDUITS AND AROUND CONDUCTORS WITHIN CONDUITS ENTERING THE MODULAR CABINETS WHERE PENETRATION OCCURS WITH A SILICONE SEALANT TO PREVENT MOISTURE PENETRATION INTO BUILDING.
- 9. SILICONE SEAL AROUND ALL BOLTS AND SCREWS USED TO SECURE EQUIPMENT TO EXTERIOR OF BUILDING.
- 10. MAKE NECESSARY CONNECTIONS FOR BATTERY IN EMERGENCY LIGHT FIXTURE. CONNECT EXTERIOR LIGHT FIXTURE (PROVIDED BY SHELTER MANUFACTURER) TO EXTERNAL JUNCTION BOX.

### D. RACEWAYS AND BOXES

- ALL WIRING FOR POWER AND SYSTEMS SHALL BE IN CONDUIT UNLESS DIRECTED OTHERWISE. ALL CONDUIT SHALL BE UL LABELED. MINIMUM SIZE CONDUIT SHALL BE 1/2 INCH TRADE SIZE UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, CONDUIT INSTALLED OUTDOORS SHALL BE GALVANIZED IMC OR GALVANIZED RMC WITH LIQUID TIGHT FITTINGS. ALL EXTERIOR HARDWARE SHALL BE GALVANIZED STEEL.
- CONDUIT INSIDE BUILDING IN AREAS WHERE CONDUIT IS SAFE FROM MECHANICAL DAMAGE AND WHERE CONCEALED IN DRYWALL, METAL FLASHING ETC. SHALL BE EMT WITH COMPRESSION FITTINGS. CONDUIT IN HIGH TRAFFIC AREA, IN AREAS OF RISK OF PHYSICAL DAMAGE AND IN STAIRWELLS SHALL BE GALVANIZED RMC.
- 4. FINAL CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT SHALL BE INSTALLED IN LIQUID-TIGHT FLEXIBLE METAL CONDUIT.
- 5. CONDUIT WORK IN HAZARDOUS AREAS, OR AREAS WITH LARGE TEMPERATURE DIFFERENTIAL: USE RIGID STEEL OR IMC CONDUIT WITH CONDUIT SEA FITTINGS, POURED WITH HARDENING COMPOUND AFTER CONDUCTORS ARE PULLED IN CONDUIT. SEALS SHALL BE INSTALLED PER NEC.
- 6. ACCEPTABLE MANUFACTURERS OF SEALS:
  - a. CROUSE-HINDS
  - b. APPLETON
  - c. KILLARK
  - d. O-Z/GEDNEY

### E. CONDUCTORS AND CONNECTORS

- 1. UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE COPPER, MINIMUM SIZE #12 AWG, WITH THERMOPLASTIC INSULATION (TYPES THHN OR THWN) CONFORMING TO NEMA WC5 OR CROSS-LINKED POLYETHYLENE INSULATION (TYPE XHHW) CONFORMING TO NEMA WC7. INSULATION SHALL BE RATED FOR 90°C. CONDUCTOR'S SHALL BE SOLID FOR #10 AND SMALLER. STRANDED FOR #8 AND LARGER.
- 2. CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS: 208/120V BLACK (PHASE A), RED (PHASE B), BLUE (PHASE C), WHITE (NEUTRAL), GREEN (GROUND); 480/277V -BROWN (PHASE A), ORANGE (PHASE B), YELLOW (PHASE C), GRAY (NEUTRAL), GREEN (GROUND).
- 3. FOR COPPER CONDUCTORS #6 AWG AND SMALLER USE 3M SCOTCH-LOK OR T&B STA-KON COMPRESSION TYPE CONNECTORS WITH INTEGRAL OR SEPARATE INSULATION CAPS. FOR COPPER CONDUCTORS LARGER THAN #6 AWG USE SOLDERLESS, IDENT HEX SCREW OR BOLT TYPE PRESSURE CONNECTORS OR DOUBLE COMPRESSION C-CLAMP CONNECTORS, UNLESS SPECIFIED OTHERWISE ON DRAWINGS.
- 4. UNLESS NOTED OTHERWISE ALL LUGS SHALL BE TIN PLATED COPPER, TWO-HOLE, LONG BARREL. COMPRESSION TYPE.

## E. CONDUCTORS AND CONNECTORS

- 5. CONDUCTOR LENGTHS SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITHOUT SPLICES. SPLICES ARE NOT ACCEPTABLE. IF SPLICES ARE UNAVOIDABLE PRIOR APPROVAL FROM THE CONSULTANT MUST BE OBTAINED.
- 6. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 80 UNLESS NOTED OTHERWISE 7. ALL EMPTY CONDUIT INSTALLED FOR FUTURE INSTALLATION OF WIRES AND CABLES
- SHALL HAVE A PULL CORD.
- 8. PROVIDE CONDUIT EXPANSION/DEFLECTION FITTINGS WHERE CONDUITS CROSS EXPANSION JOINTS, FLOATING SLABS, OR ISOLATED SLABS, PROVIDE CONDUIT THRU-WALL SEALS WHERE CONDUITS CROSS BETWEEN INTERIOR AND EXTERIOR OR DAMP LOCATIONS. PROVIDE CONDUIT FIRE SEALS WHERE CONDUITS PASS THRU FIRE-RATED CONSTRUCTION.
- 9. WIREWAYS SHALL BE SHEET METAL SIZED AND SHAPED AS INDICATED. INCLUDE COUPLING. OFFSETS, ELBOWS, EXPANSION JOINTS, ADAPTERS, HOLDOWN STRAPS, END CAPS AND OTHER FITTINGS TO MATCH AND MATE WITH WIRE WAYS AS REQUIRED FOR COMPLETE SYSTEM. MANUFACTURERS: HOFFMAN, SQUARE-D OR APPROVED EQUAL.
- 10 HINGED COVER ENCLOSURES CONFORMING TO NEMA 250, TYPE 1, WITH CONTINUOUS HINGE COVER AND FLUSH LATCH, SIZED AS INDICATED. CABINETS TO CONFORM TO NEMA 250, TYPE 1, GALVANIZED STEEL BOX WITH REMOVABLE INTERIOR PANEL AND REMOVABLE FRONT, FINISHED INSIDE AND OUT WITH MANUFACTURER'S STANDARD ENAMEL. HINGED DOOR IN FRONT COVER WITH FLUSH LATCH AND CONCEALED HINGE. MANUFACTURERS: HOFFMAN, O-Z/GEDNEY, T&B OR APPROVED EQUAL.
- 11. PROVIDE BOXES FOR ALL OUTLETS, DEVICES, CONNECTIONS, ETC. PROVIDE JUNCTION AND PULL BOXES AS REQUIRED. PROVIDE CAST METAL BOXES FOR SURFACE MOUNTED LOCATIONS AND STAMPED STEEL BOXES FOR INTERIOR DRY FLUSH-MOUNTED LOCATIONS. SHEET METAL BOXES SHALL CONFORM TO NEMA OS1; CAST-METAL BOXES SHALL CONFORM TO NEMA 81 AND SHALL BE SIZED IN ACCORDANCE WITH NEC UNLESS NOTED OTHERWISE.
- 12. PULL BOXES USED FOR FIBER OPTIC CABLES SHALL BE SIZED IN ACCORDANCE WITH THE CABLE MANUFACTURER'S INSTRUCTIONS SUCH THAT PROPER BENDING RADII OF THE FIBER OPTIC CABLE ARE MAINTAINED.

### F. WIRING DEVICES

1. SWITCHES SHALL BE TOGGLE-TYPE, HORSEPOWER RATED, 120/277V, 20 AMP SPECIFICATION GRADE. DUPLEX RECEPTACLES SHALL BE RATED 20 AMPS, 125 VOLTS, NEMA5-20R, SPECIFICATION GRADE. MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL BE VERIFIED WITH THE OWNER PRIOR TO INSTALLATION.

#### G. PANELBOARDS

- 1. PANELBOARDS SHALL CONFORM TO NEMA PB 1, NEMA 250 TYPE 1, UL 50 AND 67, AND THE NEC. PANELBOARDS SHALL BE OF THE TYPE AND RATINGS AS SHOWN ON DRAWINGS. SERIES RATED PANELBOARDS ARE NOT ACCEPTABLE.
- 2. PANELBOARDS SHALL BE FACTORY ASSEMBLED WITH DOUBLE ROW CONSTRUCTION. PROVIDE FRONT COVER HINGED TO BOX ON ALL PANELBOARDS. PROVIDE TIN PLATED COPPER BUSSING, FULL-AMPACITY PHASE AND 100% AMPACITY NEUTRAL BUSES, 50% GROUND BUS.
- 3. PROVIDE CIRCUIT NUMBERING AND TYPEWRITTEN PANELBOARD SCHEDULE FOR EACH PANELBOARD.
- 4. ACCEPTABLE MANUFACTURERS: SQUARE D. GENERAL ELECTRIC. CUTLER-HAMMER

### SAFETY SWITCHES AND OVERCURRENT PROTECTION DEVICES

- 1. ENCLOSED, NON-FUSIBLE AND FUSIBLE SAFETY (DISCONNECT) SWITCHES SHALL CONFORM TO NEMA KS1 TYPE HD, SIZED AS INDICATED ON DRAWINGS. ENCLOSURE TO BE RATED NEMA TYPE 3R FOR OUTDOOR USE AND TYPE 1 FOR INDOOR USE UNLESS OTHERWISE NOTED. OPERATING MECHANISMS SHALL BE DESIGNED SO THAT THE SWITCHES MAY BE LOCATED IN THE OFF POSITION.
- 2. ACCEPTABLE MANUFACTURERS: SQUARE D, GENERAL ELECTRIC, CUTLER HAMMER, SIEMENS.
- 3. UNLESS NOTED OTHERWISE, PROVIDE CLASS J TIME DELAY FUSES FOR MAIN FEEDERS. CLASS RK1 TIME DELAY FUSES FOR MOTOR CIRCUITS. AND CLASS RK5 NON-TIME-DELAY FOR OTHER BRANCH CIRCUITS. INSTALL FUSES SO THAT THE LABELS SHOWING THEIR RATINGS CAN BE READ WITHOUT REQUIRING FUSE REMOVAL. PROVIDE SIX (6) SETS OF SPARE FUSES AND A FUSE CABINET FOR EACH LOCATION WHERE FUSES ARE INSTALLED.
- 4. IN GENERAL, PROVIDE MOLDED CASE, BOLT-ON TYPE, AND THERMAL MAGNETIC TRIP CIRCUIT BREAKERS AS SHOWN AND AS REQUIRED FOR THIS PROJECT. MULTIPLE POLE BREAKERS SHALL BE SINGLE HANDLE, COMMON TRIP. PROVIDE HANDLE LOCKING DEVICES WHERE INDICATED. INTERRUPTING RATING AS INDICATED OR AS REQUIRED FOR AVAILABLE FAULT CURRENT.
- 5. FOR NEW OVERCURRENT DEVICES IN EXISTING EQUIPMENT, DEVICE VOLTAGE AND INTERRUPTING RATINGS SHALL MATCH EXISTING DEVICE RATINGS UNLESS NOTED OTHERWISE. BUS BARS, DRAWOUT AND PLUG-IN ASSEMBLIES, CONNECTORS, ADAPTERS, LUGS, AND OTHER HARDWARE SHALL BE OF THE SAME TYPE AND MANUFACTURE AS EXISTING EQUIPMENT. WHERE A DEVICE IS OBSOLETE AND THE MANUFACTURER DOES NOT OFFER AN EQUIVALENT REPLACEMENT DEVICE, PROVIDE WRITTEN NOTICE TO THE ENGINEER.
- 6. PROVIDE LABELS, CIRCUIT NUMBERING, AND UPDATED TYPEWRITTEN PANELBOARD SHEDULES FOR ALL PANELS AFFECTED BY THIS WORK.

### . GROUNDING

- ACCORDANCE WITH NEC.

- BUILDING TIE DOWN BRACKETS.
- CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
- CONNECTIONS.
- SHARP BENDS. ALL BENDS TO BE A MINIMUM OF 8" RADIUS.
- 9. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC-WELDING. USE ERICO T-319 GALVANIZING BAR.

### J. DATA AND TELEPHONE WIRING

- WHERE REQUIRED.

#### K. LIGHTING

- BALLASTS.
- SINGLE AND THREE WAY AS SPECIFIED ON THE DRAWING.

### L. IDENTIFICATION

- WITH SELF-TAPPING SCREWS. CHEMICAL ADHESION PLATES ARE NOT ACCEPTABLE. LETTERS SHALL BE MINIMUM 1/4" HIGH.
- SHALL BE USED FOR IDENTIFYING CONDUIT, CABLES, JUNCTION BOXES, RECEPTACLES ETC.
- PRIOR TO MANUFACTURING.
- ORIGINATING AND TERMINATING POINT.

### N. TESTING AND COMMISSIONING

- PROVIDED TO OWNER.
- FACILITATING TESTING AND COMMISSIONING.

### O. FINAL SITE CLEAN UP

- NEAT, CLEAN ORDER AND IN COMPLETE WORKING CONDITION.
- REMOVED FROM PACKAGING BY THE ELECTRICAL CONTRACTOR.

1. ALL SAFETY GROUNDING OF THE ELECTRICAL EQUIPMENT SHALL BE CARRIED OUT IN

2. GROUND LUGS ARE SPECIFIED UNDER "CONDUCTORS AND CONNECTORS". 3. ALL GROUND LUG AND COMPRESSION CONNECTIONS SHALL BE COATED WITH ANTI-OXIDANT AGENT, SUCH AS NO-OX, NOALOX, PENETROX OR KOPRSHIELD. 4. GROUND ALL EXPOSED METALLIC OBJECTS ON BUILDING EXTERIOR INCLUDING

5. PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND 6.. DO NOT INSTALL GROUND RODS AND CONDUCTORS OUTSIDE OF PROPERTY LINE. 7. REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND

8. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID

10. ALL GROUND CONNECTIONS TO BE APPROVED FOR THE METALS BEING CONNECTED. 11. EXOTHERMIC WELDS TO BURIED GROUNDING SYSTEM SHALL BE PARALLEL TYPE, EXCEPT FOR BONDS TO GROUND RODS WHICH ARE TEE CONNECTIONS. 12. FOR MECHANICAL CONNECTIONS TO HATCHPLATE GROUND BARS USE A TWO-HOLE NEMA DRILLED CONNECTOR SUCH AS T&B 32007 OR APPROVED EQUAL.

1. PROVIDE DATA OUTLETS WHERE SHOWN. EXACT TYPE OF DATA OUTLETS SHALL BE COORDINATED WITH THE OWNER. PROVIDE ALL ROUGH-IN AND EMPTY CONDUIT SYSTEM

2. PROVIDE TELEPHONE OUTLETS WHERE SHOWN. TELEPHONE OUTLETS SHALL BE BUILDING STANDARD WITH WHITE FACEPLATE. PROVIDE ALL TELEPHONE WIRING AND CONDUIT. TERMINATE TELEPHONE WIRING AT A DEMARCATION POINT DETERMINED BY THE OWNER.

1. PROVIDE ALL FLUORESCENT FIXTURES WITH T5 LAMPS, AND ELECTRONIC ENERGY SAVING

2. LIGHTING SWITCHES SHALL BE TOGGLE-TYPE 277V 20 AMP SPECIFICATION GRADE WITH

1. ALL EQUIPMENT SHALL BE IDENTIFIED USING NAMEPLATES AND LABELS. 2. NAMEPLATES SHALL BE 1/8" THICK PLASTIC ENGRAVING SHEET, WHITE FACE, BLACK CORE, ENGRAVED WITH EQUIPMENT IDENTIFICATION AND ATTACHED TO EQUIPMENT

3. LABELS SHALL BE EMBOSSED PLASTIC WITH MINIMUM 1/4" HIGH LETTERS. LABELS

4. WORDING ON NAMEPLATES AND LABELS MUST BE APPROVED BY THE ENGINEER

5. EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR INSIDE THE LEASE SPACE SHALL HAVE AN ENGRAVED TAG ATTACHED AT EACH END IDENTIFYING THE

1. CONDUCT INSULATION RESISTANCE, RESISTANCE MEASUREMENTS THROUGH ALL NEW BOLTED CONNECTIONS, AND CONTINUITY TESTS OF ALL NEW FEEDERS TO INSURE CORRECT CABLE CONNECTION PER NETA ACCEPTANCE TESTING SPECIFICATIONS FOR ELECTRIC POWER DISTRIBUTION EQUIPMENT AND SYSTEMS STANDARDS. SUBMIT TEST REPORTS TO ENGINEER AND INCLUDE IN PROJECT CLOSE-OUT DOCUMENTATION

2. CARRY OUT TESTING AND COMMISSIONING OF ALL MAJOR ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS, DISTRIBUTION BOARDS, GENERATOR, AUTOMATIC TRANSFER SWITCH, MOTOR STARTERS, ETC. ENGAGE THE SERVICES OF SUPPLIERS OF EQUIPMENT IN

3. TESTING AND COMMISSIONING OF GENERATOR SET. AUTOMATIC TRANSFER SWITCH, AND SOLID-STATE CIRCUIT BREAKERS SHALL BE CARRIED OUT IN THE PRESENCE OF THE ENGINEER. NOTIFY THE ENGINEER SEVEN WORKING DAYS IN ADVANCE OF THE TEST

1. UPON COMPLETION OF THE INSTALLATION, THE ELECTRICAL CONTRACTOR SHALL REVIEW AND CHECK THE ENTIRE INTALLATION, CLEAN EQUIPMENT AND DEVICES, AND REMOVE SURPLUS MATERIALS AND TRASH FROM THE OWNER'S PROPERTY, LEAVING THE WORK IN

2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY CARTONS, DEBRIS, AND TRASH FOR EQUIPMENT INSTALLED BY THE ELECTRICAL CONTRACTOR, INCLUDING EQUIPMENT FURNISHED BY THE OWNER OR OTHERS AND

![](_page_30_Picture_145.jpeg)

**RELEASED FOR** 

## **PROJECT INFO**

CLIENT: COVENANT GROUP, LLC

#### PROJECT:

**COVENANT GROUP - BUILDING** SHELL - LEE'S SUMMIT, MO ADDRESS:

400 NW CHIPMAN RD LEE'S SUMMIT, MO 64806 PROJECT NO:

267

CHRISTOPHER CLARK, AIA, NCARB 7701 E KELLOGG DR, STE 630 WICHITA, KS 67207 (316) 302-4472 chris@clarkitecture.net

### DEVELOPER

![](_page_30_Figure_154.jpeg)

![](_page_31_Figure_0.jpeg)

![](_page_32_Figure_0.jpeg)

	16	K
<	$\overline{6}$	

CONDUIT AND WIRE DESIGNATION SCHEDULE						
(NOTE: ALL ON DRAWING	COND G AND	UIT AN ARE	ID WIRE DESIGNATION SHOWN MAY NOT APPEAR USED AS APPLICABLE TO THIS PROJECT)	2		
WIRE/BKR MAX AMPS	# DESIG.	# OF SETS	DESCRIPTION	REMARKS		
30	1	1	3#10, 1#10G, 3/4"C			
40	2	1	3#8, 1#10G, 3/4"C			
55	3	1	3#6, 1#10G, 3/4"C			
60	4	1	4#6, 1#6G, 1-1/4" RNC			
85	5	1	3#3, 1#8G, 1"C			
100	6	1	4#1/0, , 2"C	ALUMINUM		
100	7	1	4#1/0, 1#6G, 2"C	ALUMINUM		
130	8	1	4#1, 1#6G, 1-1/2"C			
150	9	1	3#1/0, 1#6G, 1-1/2"C			
150	10	1	4#1/0, 1#6G, 2"C			
200	11	1	4#250KCMIL, 1#4G, 2-1/2"C	ALUMINUM		
250	12	1	4#350KCMIL, 1#2G, 3"C	ALUMINUM		
400	13	2	4#250KCMIL, 1#1G, 2-1/2"C	ALUMINUM		
600	14	2	4#350KCMIL, 1#1/0G, 3"C			
800	15	2	4#500KCMIL, 1/#1/0 3-1/2"C			
700	16	3	4#350KCMIL, 3"C	ALUMINUM		
CONDUIT SIZE BASED ON THHN/THWN 40% FILL CALCULATION. WIRE SIZE BASED ON NEC 110–14C WITH 60°C AMPACITY TABLES FOR 20 AMPS THRU 100 AMPS AND 75°C AMPACITY TABLES FOR VALUES > 100 AMPS.						

NOTE! IN GENERAL, THE ACTUAL BREAKER AMPERAGE SHALL BE EQUAL TO OR NEXT STANDARD SIZE SMALLER THAN THE MAXIMUM WIRE AMPS. EXCEPTIONS SHALL BE MOTOR AND SPECIAL EQUIPMENT BREAKERS WHICH SHALL BE SIZED PER N.E.C. AND VENDOR REQUIREMENTS. OMIT GROUND CONDUCTORS ON SERVICE ENTRANCE FEEDERS (TYPICAL). USE #12 WIRE U.O.N. PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE BREAKER AND WIRING WITH ACTUAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED FOR THIS SPECIFIC PROJECT. UNLESS NOTED OTHERWISE ALL 20A., 1P. BREAKERS TO UTILIZE #12 CONDUCTORS. EXCEPT WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET CONDUCTORS TO BE #10 AND OVER 175 FEET LINEAR FEET CONDUCTORS TO BE #8. EQUIPMENT GROUNDING CONDUCTOR SHALL BE INCREASED PROPORTIONATELY

TO PHASE CONDUCTORS PER NEC 250.122(B).

![](_page_32_Figure_7.jpeg)

	RELEASI CONSTRI As Noted on F
DRAWING NOTES:	Lee's Summi 05/13/
1. REFER TO PANEL SCHEDULE FOR BRANCH CIRCUIT FEEDER SIZES	PULDINGS THAT MEAN BUSINES
KEY NOTES:	
1 NEW UTILITY TRANSFORMER PAD MOUNTED). COORDINATE WITH UTILITY	COMPANY FOR
$\langle 2 \rangle$ UTILITY METER. CONTRACTOR TO FIELD COORDINATE FOR MOUNTING LC	ARKITEC ARKITEC
COORDINATE WITH UTILITY COMPANY FOR MEETING REQUIREMENTS. $\overline{(3)}$ PROVIDE (2) 5/8" X 10'-0" LONG COOPER CLAD GROUND ROD SPAC	CED 10 FEET
CENTER. BOND WITH 3/0 COPPER CONDUCTOR WITH EXOTHERMIC WEL DETAIL "2/E-4" FOR SERVICE ENTRANCE DETAIL AND GROUND ROD DI	LD. REFER TO PETAIL. PROJECT INFO
4 SUPPLY AND INSTALL NEW UNDERGROUND SERVICE LATERAL. FI COORDINATE CONDUIT ROUTING. SUPPLY AND INSTALL FEEDER 2 BURIED AND PROVIDE RMC AFG AND RNC UNDERGROUND. CON ARRANGE AND PAY FOR UNDERGROUND UTILITY LOCATION SURV TRENCHING. INSTALL 6" WIDE METALLIC LINED RED PLASTIC M	IELD EXACTCLIENT:24" BFG DIRECTCOVENANT GROUP, LLCITRACTOR TOCOVENANT GROUP, LLCVEYS FOR ALLPROJECT:
$\overline{(5)}$ provide Nema 3R wireway and size wireway as per Nec.	COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO
6 PROVIDE ALUMINUM CONDUCTOR ONLY FOR SERVICE LATERAL.	ADDRESS:
SUPPLY AND INSTALLED LIGHTING CONTRACTOR. LIGHTING CONTA TO BE CONTROLLED BY TIME CLOCK AND PHOTOCELL. FIELD COORDINATE FOR PHOTOCELL LOCATION.	ACTOR 400 NW CHIPMAN RD LEE'S SUMMIT, MO 64806 PROJECT NO: 267
$\langle 8 \rangle$ SUPPLY AND INSTALLED CONDUIT ONLY WITH PULL STRING.	MAIN CONTACT
E GROUNDING E CONDUCTOR LEAD LE 250.66)	
	SHEET INFO ISSUE DATE: 04/06/22
E IT	ISSUED FOR: PERMIT
E GROUNDING E CONDUCTOR LEAD LE 250.66) MINIMUM	REVISION SCHEDULE         NO       DESCRIPTION       DATE         A       CITY       COMMENTS       05/05/2
	PROFESSIONAL'S SEAL:
	ELECTRICAL ONE LINE DIAGRAM

E-4

PAN 120/20	EL "LH" )8V, 3ø, 4W	(NOTE 1)	INTERRUPTING 65K AIC	CAPACITY	TYPE: MAINS MOUN	: TING:		MLO 100/ SURI	A FACE	(HOUS	E PANEL)		
KVA	DESCRIPTION		FEEDE	R	PROT.		CIRCU	TS	PROT.	DESCRIPTION	(	FEEDER	KVA
0.8	LTG-EXTERIOR		2#12, 1#12G	, 1/2"C	20/1	1	• -	2	20/1	LC AND TIME CLOCK	2#12,	1#12G, 1/2"C	0.2
0.8	LIGHTS FUTURE TENANT		2#12, 1#12G	, 1/2"C	20/1	3	┼┢	4 4	20/1	TBB-RECEP	2#12,	1#12G, 1/2"C	0.4
	SPARE				20/1	5	++	6	20/1	SPARE			
	SPARE				20/1	7	┥┼	8	20/1	SPARE			
	SPARE				20/1	9	┼┿	10	20/1	SPARE			
	SPARE				20/1	11	++	12	20/1	SPARE			
	SPARE				20/1	13	┥┼	14	20/1	SPARE			
	SPARE				20/1	15	┼┿	16	20/1	SPARE			
	SPARE				20/1	17	╉╋	18	20/1	SPARE			
	SPARE				20/1	19	┥┼	20	20/1	SPARE			
	SPARE				20/1	21	┼┝	22	20/1	MONUMENT SIGN	2#10, 1;	#10G, 3/4"C	1.0
	SPARE				20/1	23	╉╋	24	20/2	PARKING LIGHTS	2#8, 1#	10G, 3/4"C	2.0
	SPACE					25	┥┼	₽26					
	SPACE					27	┼┿	28	20/2	PARKING LIGHTS	2#8, 1#	10G, 3/4"C	2.0
	SPACE					29	++	<b>a</b> 30					
	SPACE					31	┥┼	32	20/1	MONUMENT SIGN	2#10, 1#	ŧ10G, 3∕4"C	1.0
	SPACE					33	┼┢	34					
	SPACE					35 -		36					
	SPACE					37	┥┼	38					
	SPACE					39	┼┢	40					
	SPACE					41	++	42					
0.8	SUB-TOTAL				TOT	TAL:	6.4	KVA				SUB-TOTAL	5.6
<u>N0</u> 1. 2.	NOTES: 1. PROVIDE POWER PANEL BOARD. 2. PARKING LIGHT CONNECTION BY OTHER PROJECT.												

PAN 120/20	EL "LA" (NOTE 1) D8V, 3ø, 4W (SECTION 1)	INTERRUPTING CAPACITY 65K AIC	TYPE: MAINS MOUN	: TING:		ML 40 SU	_0 )0A JRF#	ACE	MEDICAL OFFICE		
KVA	DESCRIPTION	FEEDER	PROT.	C	IRCU	ITS		PROT.	DESCRIPTION	FEEDER	KVA
0.2	ROOF RECEPTACLE	2#12, 1#12G, 1/2"C	20/1	1		$\mathbf{H}$	2	50/3	RTU-1 (NOTE 3) 3#6,	1#10G, 3/4"C	12.6
0.5	SIGN	2#12, 1#12G, 1/2"C	20/1	3	╞	╉┤᠂	4				
0.5		2#12, 1#12G, 1/2 [°] C	20/1		$\square$	╋┝	6	50/7		1 1/1 0 0 7 / 4 " 0	12.6
	SPARE		$\frac{20/1}{20/1}$				0 10	50/5	$RIU-2 (NOIE 3) \qquad \qquad 3\#6,$	1#10G, 3/4 C	12.0
	SPARE		20/1		ЦĻ	<b> </b>  1	12				
	SPARE		20/1	13 -	┢┼┝		14	50/3	RTU-3 (NOTE 3) 3#6,	1#10G, 3/4"C	12.6
	SPARE		20/1	15 -	╞╴┥	+  1	16			" ' '	
	SPARE		20/1	17	┢┼┼		18				
	SPARE		20/1	19	┥┼	$+ ^2$	20	50/3	RTU-3 (NOTE 3) 3#6,	1#10G, 3/4"C	12.6
	SPARE		20/1	21	╞╴╋╴	$H^2$	22				
	SPARE		20/1	23			24	00 /4			
	SPARE		20/1	25	┋┼		26	20/1	SPARE		
	SPARE		20/1	27	T T		28	20/1			
			20/1	29		Ī	32	20/1	SFARE		
				33 -			34				
				35 -	$\square$		36				
				37 -	┢┼┝	13	38				
				39 -	╞╺┝	44	40				
				41		4 4	42				
1.2	SUB-TOTAL		TOT	TAL:	51.6	K۷	A			SUB-TOTAL	50.4
<u>NOTES</u> 1. PR 2. AIC 3. PR	NOTES: 1. PROVIDE LIGHTING PANEL BOARD. 2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE. 3. PROVIDE FEED THRU LUG FOR SECTION TWO.										

		F C As N	ELEASE	D FOR JCTION ans Review
		Develop	ment Servi e's Summit	ces Department Missouri
	CLARKITECTURE	BUILDINGS THAT MEAN BUSINESS.	CLARKITECTURE.NET (316) 302-4472	
PROJ	ECT I	NFC	)	1
CLIENT:	GROUP, L	LC	-	
PROJECT:				
COVENANT	GROUP - E E'S SUMMI	BUILDIN F, MO	1G	
ADDRESS:				
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	0. CONIT		207 <b>T</b>	-
CHRISTOPH 7701 E KELI WICHITA, K (316) 302-44 chris@clarki	IER CLARK OGG DR, 5 S 67207 72 tecture.net	(, AIA, N STE 63	NCARB	
DEVE	LOPE	R		
	COVENANT	REAL ESTATE	GROUP         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I <thi< th="">         I         <thi< th=""> <thi< th=""></thi<></thi<></thi<>	
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# S

เรรเ PROFESSIONAL'S SEAL: OF M BABLU KAZI 05/05/2022 ELECTRICAL PANEL SCHEDULES

E-5

![](_page_34_Picture_0.jpeg)

![](_page_34_Picture_1.jpeg)

![](_page_34_Figure_2.jpeg)

![](_page_34_Figure_3.jpeg)

![](_page_34_Figure_4.jpeg)

## **GENERAL NOTES:**

- A. THE ELECTRICAL CONTRACTOR SHALL REFER TO CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND PLUMBING DRAWING FOR THE EXACT BUILDING AND ROOM LAYOUTS. ALL DIMENSIONS, SECTIONS, DETAILS, AND ELEVATIONS. POWER AND VOLTAGE REQUIREMENTS AND PHYSICAL SIZE OF ALL EQUIPMENT FURNISHED BY OTHER TRADES. COORDINATE AND ADJUST ELECTRICAL INSTALLATION ACCORDINGLY.
- B. REFER TO DRAWING E-1 FOR LIGHTING FIXTURE SCHEDULE.
- C. UPPER CASE ALPHA CHARACTER INSIDE/ADJACENT TO LIGHT FIXTURE INDICATES LUMINAIRE TYPE.
- D. LOWER CASE ALPHA CHARACTER INSIDE/ADJACENT TO LUMINAIRE INDICATES ASSOCIATED SWITCH CONTROLLING LIGHTING BRANCH CIRCUIT. E. ALL PENETRATION THRU FIRE RATED WALL AND CEILING SHALL BE SEALED IN
- ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 300-21. F. COORDINATE WITH OWNER FOR APPROVAL OF LIGHTING FIXTURE PRIOR TO INSTALL.
- G. MINIMUM WIRE SIZE FOR PARKING LIGHTS IS #8AWG.

### **KEY NOTES:**

- DOWER CONNECTION FOR FUTURE MONUMENT SIGN. FILED COORDINATE EXACT LOCATION. SIGNAGE POWER SHALL ROUTED THRU LIGHTING CONTACTOR AND CONTROL VIA TIME CLOCK AND PHOTO ELECTRIC CELL.
- 2 PARKING LIGHT SHALL ROUTED THRU LIGHTING CONTACTOR AND CONTROL VIA TIME CLOCK AND PHOTO ELECTRIC CELL.
- $\langle 3 \rangle$  UTILITY TRANSFORMER. FIELD COORDINATE EXACT LOCATION.
- 4 PROVIDE 1" CONDUIT FOR PRE-ORDER MENU BOARD TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- $\langle 5 \rangle$  provide 1" conduit for future pre-menu/menu board to future panel LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- $\langle 6 \rangle$  provide 1" conduit for future menu board to future panel location. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- 7 PROVIDE 1" CONDUIT FOR POWER TO OCS/SPEAKER POST TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- $\langle 8 \rangle$  provide (2) 1" Conduit from OCS/SPEAKER POST TO DRIVE-THRU WINDOW.
- 9 PROVIDE WP, J-BOX AND 1" CONDUIT FOR DIRECTIONAL SIGN TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- 10 PROVIDE 1" CONDUIT FOR DETECTOR LOOP SET. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- 1) PROVIDE WP, J-BOX AND 3/4" CONDUIT FOR DRIVE-THRU TRANSOMS, SIDELIGHTS AND EXTERIOR SHELF POWER TO FUTURE PANEL LOCATION. STUB UP AND CAP. VERIFY EXACT LOCATION WITH TENANT.
- (12) STUB UP CONDUITS 6" A.F.F FINISH FLOOR. COORDINATE WITH ARCHITECT, OWNER AND OTHER TRADES PRIOR TO INSTALLATIONS.

TYPICAL POLE BASE DETAIL

![](_page_34_Figure_26.jpeg)

RELEASED FOR

# **PROJECT INFO**

CLIENT: COVENANT GROUP, LLC

#### PROJECT:

COVENANT GROUP - BUILDING SHELL - LEE'S SUMMIT, MO

ADDRESS: 400 NW CHIPMAN RD

LEE'S SUMMIT, MO 64806 PROJECT NO:

### MAIN CONTACT

267

CHRISTOPHER CLARK, AIA, NCARB 7701 E KELLOGG DR, STE 630 WICHITA, KS 67207 (316) 302-4472 chris@clarkitecture.net

## DEVELOPER

![](_page_34_Picture_36.jpeg)

![](_page_34_Picture_37.jpeg)

![](_page_35_Picture_0.jpeg)

![](_page_35_Picture_1.jpeg)

![](_page_35_Picture_2.jpeg)

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Project N	lame			Date	
Catalog	#			Туре	
E	APPLICATIONS Auto Dealersh Parking Lots Educational/B Campuses APPROVALS ETL Listed. Cc G GVibration F C136.31-2010, Suitable for w IP 66 Optics a Select models Qualified proc	nip Sales Lots Business omplies with Rated for Brid Test Level 2. et locations. nd Housing. DLC Qualific Jucts, please	s • Parks • Secur • Mall & • Pede: UL 1598 and dge/Overpa ed. For a co visit: <u>http://</u>	& Recreation Areas ity Areas & Retail Spaces strian Wakways d CSA C22.2 No. 250.0 ass Applications per Al mpleted list of DLC /www.xtralight.com/d	0-08 NSI
	or www.desig	nlights.org/c	ldbi		
	MODEL	LUMENS	WATTS	EFFICACY	
	VNT-S 025*	4085	27.3	149.8 LPW	
	VNT-S 052*	7605	52.7	144.3 LPW	
Octo	VNT-S 072*	10775	77.4	139.2 LPW	
	VNT-S 100*	14735	109.1	135.0 LPW	
	*Type V Optics 5000	OK. For more pł	notometric info	rmation see page 3.	
wer power nd environmental porary ht sky friendly. D technology. ion or remote to +104°F)	<ul> <li>trespass and r</li> <li>Optical grade</li> <li>IP66 rated LE degrading per</li> <li>Distributions: and IV availab</li> <li>Best in class C (min 70 CRI).</li> <li>Zero uplight (</li> <li>Lumen Mainte</li> </ul>	maximum po polymer is U D light engin rformance. Type II, Type ole rotated rig Dsram LEDs UO) is night enance: >100	ole spacing. JV stabilized e III, Type IV ght or left 9 with 3000K sky friendly, ,000hrs L70	d and impact resistant. dust and moisture fror and Type V. Types II, 1 0°, factory installed. , 4000K and 5000K C reduces wasted light. D @ 25°C.	n III, CCT
gral heat sink fins uctive and	Voltage: 120-2     50/60Hz driv	277V 50/60H er (optional)	Hz driver (st	andard); 347-480V	
e.	<ul> <li>&gt;90%, THD </li> <li>&gt;90%, THD </li> <li></li> <li></li> <li>Surge Protect</li> <li>NEMA twist-log</li> <li>NOTE: Dester</li> </ul>	ion: 20kA st.	expected lif andard. le available	as an option.	th
et TGIC-polyester Iti-stage process ovides superior nmental	(not included)	). Dv dimməble	e driver stan	dard.	
et TGIC-polyester Ilti-stage process ovides superior nmental s (consult factory).	<ul> <li>Dimming: 0-10</li> </ul>				
et TGIC-polyester ti-stage process vides superior imental s (consult factory).	<ul> <li>Dimming: 0-10</li> <li>Passive Infrare</li> </ul>	ed (PIR) Pho	to/Motion S	Sensor option available	2.
t TGIC-polyester i-stage process vides superior mental (consult factory). d easy	Dimming: 0-10     Passive Infrare     WARRANTY     10 year limited	ed (PIR) Pho	to/Motion S	Sensor option available	2.
It TGIC-polyester ci-stage process vides superior mental (consult factory). nd easy nd reduces	<ul> <li>Dimming: 0-10</li> <li>Passive Infrare</li> <li>WARRANTY</li> <li>10 year limited</li> </ul>	ed (PIR) Pho d warranty.	to/Motion S	ensor option available	2.
et TGIC-polyester Iti-stage process ovides superior nmental s (consult factory). nd easy and reduces	Dimming: 0-16     Dimming: 0-16     Passive Infraru     WARRANTY     10 year limited	d warranty.	to/Motion S	iensor option available	2.

	CONSTRU As Noted on P	JCTION lans Review
	Development Servi Lee's Summi 05/13/2	ices Departmer t Missouri 2022
CLARKITECTURE	BUILDINGS THAT MEAN BUSINESS CLARKITECTURE.NET (316) 302-4472	
PROJECT	INFO	
CLIENT:		
COVENANT GROUP,	LLC	
PROJECT:		
COVENANT GROUP - SHELL - LEE'S SUMM	BUILDING IIT, MO	
ADDRESS:		
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RELEASED FOR

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# DEVELOPER

	C O V E N A N T R E A L E S T A T E	GROUP         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I
SH	EET INFO	/06/22
ISSUE	D FOR: PE	RMIT
	REVISION SCHEDULE	
NO		DATE
		05/05/22
PROFI	ESSIONAL'S SEAL:	
	05/05	, /2022
SI   PI	TE LIGHTING HOTOMETRIC F E-7	PLAN