SCOPE OF WORK

CONSTRUCTION OF A NEW 2-STORY 5,346SF / STORY (10,692 GSF) WOOD FRAMED MULTI-TENANT MEDICAL OFFICE / CLINIC BUILDING OF TYPE VB CONSTRUCTION. NEW MECHANICAL, ELECTRICAL AND PLUMBING WORK TO BE PERFORMED.

BUILDING WILL BE AN OFFICE OCCUPANCY WITH NO ANESTHESIA OR PATIENTS INCAPABLE OF SELF PRESERVATION. BUILDING WILL BE NON-SPRINKLED.

All work shall be prepared in accordance with all applicable National, State, & Local Codes & Regulations including the Americans with Disabilities Act. The Architect may authorize at any point minor changes in work not involving adjustments in contract sum via Architect's Supplemental Instructions (ASI) which are consistent with the intent of the Contract Documents.

are instruments of service solely for this project. The General Contractor shall review Plans, Elevations, & Details before determining the elevation of the finished floor above finished grade. Site conditions may require modifications to such design elements as the number of steps to grade , etc - coordinate w/ Architect. The General Contractor shall visit the site and surrounding areas to become familiar with the work required prior to any on-site construction or mobilization.

Contractor under these Construction Documents.

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construction. 10. 11.

The General Contractor shall review floor finishes. All finished floors shall be flush to adjacent floor 12. systems whether of similar or dissimilar materials. Coordinate location of utility meters with site plan. Minimize visual impact of meters by keeping them 13. as low as possible.

The General Contractor shall compare Architectural plans and sections with Structural / MEP Plans and Sections and report any discrepancies to the Architect prior to fabrication, erection or installation of any structural / MEP members. The Contractor is responsible for providing all special inspections as required by Chapter 17 of the International Building Code.

VICINITY MAP



PROJECT TEAM

OWNER

ALDRAE PROPERTIES, LLC CONTACT: ALEXIS GARRETT 194 HOSPITAL ROAD BLAIRSVILLE, GA 30512 (706) 745-8790

GENERAL CONTRACTOR

WINKLER & WINKLER CONSTRUCTION CONTACT: CHAD WINKLER 423 BOWLING GAP CIRCLE BLAIRSVILLE, GA 30512 706-835-1458 EMAIL: cwinkler@winklerandwinkler.com

ARCHITECT

CSC DESIGN, INC CONTACT: KEVIN WHIPPLE, RA 135 P. RICKMAN INDUSTRIAL DR. SUITE 100 CANTON, GA 30115 770-345-2579 EMAIL: KWHIPPLE@CSCDE.COM

HILLCREST CLINIC

located at

PARCEL B01 019 BLAIRSVILLE, GEORGIA 30512

GENERAL CONSTRUCTION NOTES

All Drawings, Specifications, & other documents prepared by the Architect & Architect's consultants

The Architect shall not be responsible for the construction means, methods, techniques, sequences, or procedures or safety regulations in connection with work. These shall be the sole responsibility of the

All existing conditions shall be field verified by the General Contractor prior to construction. All dimensions and elevations shall be checked by the General Contractor prior to construction. Any adjustments and / or corrections shall be marked and brought to the attention of the Architect prior to

The contractor is cautioned against scaling construction documents. If any discrepancies exist, the contractor shall contact the architect prior to proceeding with work.

The General Contractor shall assume responsibility to account for non-typical soils conditions including, but not limited to, the presence of clay or ground water.

Provide flashing at all windows and doors in exterior walls throughout. Provide all wall, base, cap, thru-wall, and counter flashing required to prevent entrance of moisture and water into building.

Codes In Effect

CODE ANALYSIS

International Building Code, 2018 Edition, with Georgia Amendments (2020) International Residential Code, 2018 Edition, with Georgia Amendments (2020) International Fire Code, 2018 Edition, with Georgia Amendments (2020) International Plumbing Code, 2018 Edition, with Georgia Amendments (2020) International Mechanical Code, 2018 Edition, with Georgia Amendments (2020) International Fuel Gas Code, 2018 Edition, with Georgia Amendments (2020) National Electrical Code, 2020 Edition (No Georgia Amendments) International Energy Conservation Code, 2015 Edition, with Georgia Supplements and Amendments (2020) 2018 NFPA 101 Life Safety Code 2010 ADA Standards

ut	hority Having Jurisdiction	Dekalb County, Georgia				
uil	lding Occupancy Classification (NFPA)	6.1.2 - Business, Clinic				
llo	wable Area (IBC Table 506.2)	9,000sf / story				
re	a Provided	5,346sf / story				
)cc	cupant Load (LSC Table 7.3.1.2)	72 Occupants (Refer to Life Sa	afety Occupant Load on Sheet LS-0.0)			
ype Of Construction (IBC 601)		VB Not Sprinkled				
	Allowable Height (IBC Table 504.3)	40'-0"				
	Height Provided	+/- 38'-0"				
	Allowable Stories (IBC Table 504.4)	2				
	Stories Provided	2				
ire	e Rating (IBC)	Walls & Partitions	Opening Protectives			
	Mixed Occup. Separation Rating (Table 508.4)	N/A	N/A			
	Fire Paritions (IBC 2018 - 708)	1HR	1HR			
	Bearing Walls (Exterior)	0	N/A			
	Bearing Walls (Interior)	0	N/A			
	Stair Wells	N/A	N/A			

0

0

0

0

Not Sprinkled

Max Distance Allowed: 75 feet

N/A

N/A

N/A

N/A

Roof Assembly Fire Protection System (LSC 2018)

Fire Extinguishers 10 lb ABC Surface Mounted

Means of Egress (LSC)

Structural Columns

Structural Beams

Floor / Ceiling Assembly

1				
		Exits (LSC 2018)	Required - 2 Per Suite	Provided - 3 (Suite #1) 1 (Suite #2 & Suite #3 per 38.2.4.4)
		Travel Distance (LSC 2018)	Maximum = 100'	97' - 1"
		Dead End Corridor (LSC 2018)	Maximum = 20'	None
		Units of Edress (LSC 2018 - Table 7.3.3.1)	$P_{0} = 15"$	Provided 129" (Suite #1) 22" (Suite #2 & Suite #2)

Units of Egress (LSC 2018 - Table 7.3.3.1) | Required: $72 \times 0.2 = 15^{\circ}$ | Provided - 128° (Suite #1) 32° (Suite #2 & Suite #3)

STRUCTURAL ENGINEER

WHITE ENGINEERING, LLC CONTACT: DAVID WHITE, P.E. 2436 MUIRFIELD WAY DULUTH, GA 30096 770-296-5182 EMAIL: davidalanwhite@bellsouth.net

M&P ENGINEER

S&S ENGINEERS, LLC CONTACT: LES SANDERS, PE 145 CHURCH STREET NE, STE. 240 MARIETTA, GA 30060 770-933-8842 EMAIL: LES@SANDSENGR.COM

ELECTRICAL ENGINEER

TL Engineering, LLC. Contact: Tim Lee, PE 5842 Norfolk Chase Road Peachtree Corners, GA 30092 678.439.8664 tim.lee@tlengineer.com

					
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SHEET	SHEET NAME	SSU			
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00 GENE					
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A-0.3	ADA DETAILS	•			
C-2	SITE LAYOUT & UTILITY PLAN	•			
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02 ARCH A-0 5	LIFE SAFETY PLAN - LEVEL 1	•			—
A-0.6	LIFE SAFETY PLAN - LEVEL 2	•			F
A-0.7	PARTITION TYPES	•			
A-U.8 A-1.1	FIRST LEVEL FLOOR PLAN	•			╞
A-1.2	SECOND LEVEL FLOOR PLAN	•			
A-1.3	ENLARGED RR PLANS & ADA ACCESSORIES MOUNTING	•			
A-2.1	REFLECTED CEILING PLAN- LEVEL 1	•			
A-2.2	REFELECTED CEILING PLAN- LEVEL 2	•			
A-3.0 A-3.1		•			-
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A-4.2	EXTERIOR ELEVATIONS	•			<u> </u>
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A-5.3	SECTIONS & DETAILS	•			
A-6.1		•			_
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S-2	GENERAL NOTES & TYPICAL DETAILS	•			
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<u>S-4</u> S-5	FOUNDATION PLAN	•			
S-6	2ND LEVEL FRAMING PLAN	•			
S-7 S-8	ROOF FRAMING PLAN	•			
S-9	SECTIONS	•			
04 145 0		. I	-• I	I	
04 MECH M-1.1	MECHANICAL FIRST LEVEL FLOOR PLAN	•			Γ
M-1.2	MECHANICAL SECOND LEVEL FLOOR PLAN	•			
M-1.3		•			\vdash
M-2.2	MECHANICAL SECOND LEVEL GAS PIPING PLAN	•			-
M-3.1	MECHANICAL DETAILS	•			
M-3.2 M-3.3	MECHANICAL SCHEDULES & NOTES	•			-
0.0					L
⊑-1.1 E-1.2	2ND FLOOR POWER PLAN	•			-
E-2.1	1ST FLOOR LIGHTING PLAN	•			
E-2.2	2ND FLOOR LIGHTING PLAN	•			
⊑-3.1 E-3.2	SCHEDULES AND RISER	•			\vdash
				1	L
06 PLUM	BING FIRST LEVEL WASTE AND VENT PLAN				
P-1.2	SECOND LEVEL WASTE AND VENT PLAN	•			
P-1.3	FIRST LEVEL DOMESTIC WATER PLAN	•			
P-1.4 P-2 1	SECOND LEVEL DOMESTIC WATER PLAN	•			<u> </u>
P-2.2	DOMESTIC WATER RISER DIAGRAM	•			+
P-3.1	NOTES, DETAILS AND SCHEDULES	•			

CSC

COVE	ER SHEET
A	-0.0
DATE:	10/06/2021



/	0			10			12
			ABBRI	EVIATIONS L	IST		
Δ			FR	FIRE RESISTIVE	F	PTD/R	PAPER TOWER DISP /
A A.B.	ANCHOR BOLT	А	F.R. F.S.	FULL SIZE	F	P.1.D./R.	RECEPT.
A.C.T.	ACOUSTICAL CEILING TILE	А	FIN.	FINISH	F	P.V.C.	POLYVINYL CHLORIDE
A.F.F.	ABOVE FINISH FLOOR	А	FIN. E.	FINISHED EDGE	F	PERF.	PERFORATED
ACOUST.		A	FIN. FLR.	FINISH FLOOR	F	PL. PLAM	PROPERTY LINE PLASTIC LAMINATE
ADJ. AGG.	AGGREGATE	A	FIN. SLAB FLASH	FINISH SLAB FLASHING	F	PLAS.	PLASTIC
ALT.	ALTERNATE	A	FLR.	FLOOR	F	PR.	PAIR
ALUM.	ALUMINUM	А	FLUOR.	FLUORESCENT	F	PROP.	PROPERTY
ANOD.	ANODIZED	A	FT.	FOOT/FEET	F -	PTN.	PARTITION
		A	FTG.		F	PVML. PWD	
ARCH.	ARCHITECTURAL	A	FURR.	FURRING	F	1112.	12111000
ASP.	ASPHALT	А	FUT.	FUTURE	F	Q	
AUTO.	AUTOMATIC	А				Q.T.	QUARRY TILE
AUX.	AUXILIARY	A	G		0	D	
в			G.B.	GALVANIZED IRON	G	R.	RISER
B.L.	BORROWED LITE	В	GA.	GAUGE	G	R.D.	ROOF DRAIN
B.S.	BOTH SIDES	В	GALV.	GALVANIZED	G	R.O.	ROUGH OPENING
B.U.R.	BUILT-UP ROOF	В	GEN.	GENERAL	G	R.O.W.	RIGHT OF WAY
BD.	BOARD	В	GL.	GLASS	G	RAD. REE	RADIUS
BIDG	BUILDING	B	GND. GR	GRADE	G	REG.	REGISTER
BLBG. BLK.	BLOCK	В	GYP. BD.	GYPSUM WALL BOARD	G	REINF.	REINFORCEMENT
BLKG.	BLOCKING	В				REQD.	REQUIRED
BM.	BEAM	В	Н			RESIL.	RESILIENT
BOT.	BOTTOM	В	H.	HIGH	H	REI.	
BR.	BRONZE	В	H.B.		Н	REV.	ROOF(ING)
BRG.	BEARING	B	H.C. H.M.	HOLLOW METAL	Н	RM.	ROOM
BRK.	BRICK	B	HDW.	HARDWARE	Н	RTN.	RETURN
BTWN.	BETWEEN	В	HDWD.	HARDWOOD	Н		
			HORIZ.	HORIZONTAL	Н	S	
С		0	HR.	HOUR	H	S.	SUUTH
		C	HI.	HEIGHT	Н	S.D.	SOAP DISPENSER
C.G.	CAST IRON	C	I			S.F.	SQUARE FOOT
C.I.P.	CAST IN PLACE	C	I.D.	INSIDE DIAMETER	I	S.N.D.	SANITARY NAPKIN
C.J.	CONTROL JOINT	С	I.P.	IRON PIPE	I		DISPENSER
C.M.U.	CONCRETE MASONRY UNIT	С	INFO.	INFORMATION	I	S.N.R.	SANITARY NAPKI RECEPTICI E
C.O.		C	INSUL.	INSULATION		S.S.	STAINLESS STEEL
		C	IN L. INIV			SAN.	SANITARY
CAB.	CABINET	C			1	SCHED.	SCHEDULE
CEM.	CEMENT	С	J			SEC.	SECTION
CHAM.	CHAMFER	С	J.V.	JOB VERIFY	J	SH. SHT	SHELF SHEET
CL.	CENTER LINE	С	JAN.	JANITOR	J	SIM.	SIMILAR
CLG.		C C	JST.		J	SPEC.	SPECIFICATION
CLR.	CLOSET	C	JST. BRG. JT	JOINT	J	SPL. BLK.	SPLASH BLOCK
COL.	COLUMN	C	011	00.111	U	SQ.	SQUARE
COMB.	COMBINATION	С	К			SIA.	STATION
COMP.	COMPOSITION	С	K.D.	KNOCK DOWN	K	STD. STI	STEFI
CON.	CONNECTION	C	K.O.	KNOCK OUT	K	STOR.	STORAGE
CONC.	CONCRETE	C	1			STRUCT.	STRUCTURAL
CONT.	CONTINUOUS	C	L.	LENGTH	L	SUSP.	SUSPENSION/SUSPENDED
CONTR.	CONTRACTOR	C	LAD.	LADDER	L	SYN.	SYNTHETIC
COR.	CORRIDOR	С	LAM.	LAMINATE	L	SYS.	SYSTEM
CTR.	CENTER	С	LAV.	LAVATORY	L	т	
D			LB.	POUND	L	T & G	TONGUE AND GROOVE
	DOUBLE ACTING	D	LKK. I T	LIGHT	L	T.	TREAD
D.C.J.	DRYWALL CONTROL JOINT	D	LVL.	LEVEL	L	T.O.C.	TOP OF CURB
D.F.	DRINKING FOUNTAIN	D	LVR.	LOUVER	L	I.U.M.	TOP OF MASONRY
D.S.	DOWN SPOUT	D	LW.	LIGHTWEIGHT	L	T.O.F. T.O.S.	TOP OF STEEL
D.V.		D	M			T.O.W.	TOP OF WALL
DEL. DEPT		D	MB	MARKER BOARD	М	T.PL.	TOP OF PLATE
DIA.	DIAMETER	D	M.C.J.	MASONRY CONTROL JOINT	M	T.S.	TUBULAR STEEL
DIAG.	DIAGONAL	D	M.O.	MASONRY OPENING	Μ	Ι.V. Τ/Β	
DIFF.	DIFFUSER	D	MACH.	MACHINE	М	TELE.	TELEPHONE
DIM.		D	MAS.	MASONRY	M	TEMP.	TEMPERED
DISP. DIV	DISPENSER DIVIDER/DIVISION	D	MAX	MATERIAL	M	TER.	TERRAZO
DN.	DOWN	D	MDF	MEDIUM DENSITY	M	THD.	THRESHOLD
DTL.	DETAIL	D		FIBERBOARD		IHK.	Ι ΗΙ <mark></mark> ΟΚ ΤΥΡΙ <u>Γ</u> ΔΙ
DWG.	DRAWING	D	MECH.		M	117.	
E			IVIEU. MEMR		IVI M	U	
E.	EAST	Е	MEZZ.	MEZZANINE	M	U.L.	
E.F.	EXHAUST FAN	Е	MFR.	MANUFACTURER	М		LABUKATUKIES
E.H.D.	ELECTRIC HAND DRYER	Е	MH.	MANHOLE	М	UNF.	UNFINISHED
E.I.F.S.	EXTERIOR INSULATION	E	MIN.			UR.	URINAL
F.I		Е	MISC		M	UTIL.	UTILITY
E.J.C.	EXPANSION JOINT COVER	E	MTD.	MOUNTED	Μ	.,	
E.P.	ELECTRIC PANEL	E	MTL.	METAL	М	V V O T	
E.S.	EACH SIDE	E	MUL.	MULLION	Μ	V.C.T. V F	VENTILATION FAN
E.W.		E	NI			V.I.F.	VERIFY IN FIELD
E.VV.C. EA.	ELECTRIC WATER COULER	E	IN Na	NORTH	N	V.T.R.	VENT THRU ROOF
EL.	ELEVATION	E	N.I.	NOT INCLUDED	N	V.W.C.	VINYL WALL COVERING
ELEC.	ELECTRICAL	E	N.I.C.	NOT IN CONTRACT	Ν	VERT.	
ELEV.	ELEVATOR	E	N.T.S.	NOT TO SCALE	Ν	VEST. VIN	VESTIDULE
EMER.		E	NO.		N		··-
ENGL. FNTR		L F	INOIVI.	NOWINAL	IN	W	
EQ.	EQUAL	– E	0			W.	WEST
EQPT.	EQUIPMENT	E	O.A. DUCT	OUTSIDE AIR DUCT	0	W.C.	
EXIST.	EXISTING	E	O.C.	ON CENTER	0	₩.H. ₩ ₽	
EXP.	EXPANSION	E	O.D.		0	W.R.	WATER RESISTIVE
EXT.	EXIERIOR	E	O.H.		U O	W.W.M.	WELDED WIRE MESH
F			OFF. OPNG	OPENING	0	W/	WITH
F.A.	FIRE ALARM	F	OPP.	OPPOSITE	0	W/O	WITH OUT
F.D.	FLOOR DRAIN	F	OZ.	OUNCE	0	WD.	WOUD
F.E.	FIRE EXTINGUISHER	F	_			WT	WEIGHT
F.E.B.	FIRE EXT. ON BRACKET	F	P		D	vv I.	
F.E.C.		F	P.C. Def		Г Р Ч		
F.H.C	FIRE HOSE CABINET	F	P.S.I.	POUNDS PER SOLIARE INCH	P		
F.I.	X-RAY FILM ILLUNINATOR	F	P.T.	PRESSURE TREATED	Р		
F.O.C.	FACE OF CONCRETE	F	P.T.D.	PAPER TOWEL DISPENSER	Р		
F.O.W.	FACE OF WALL	F					
	7 8	8	9	10		11	12











6	7	8	9	10	11	12





6	7	8	9	10	11	12

LIFE SAFETY P		DESIGN
FEC	FIRE EXTINGUISHER CABINET	INC. ARCHITECTS & ENGINEE
	DIRECTIONAL EXIT LIGHT	135 P. Rickman Industrial Dr. Suite 100, Canton, GA 30115 (770) 345-2579
EXIT	EXIT LIGHT	
0 DOOR EXIT CAPACITY 32" DOOR CLEAR WIDTH	DOOR CAPACITY TAG	THE OF CHERRY
	TRAVEL DISTANCE	
	1HR RATED WALL	10/07/2021
	WALL MOUNTED EMERGENCY LIGHT	TEGISTERED ARCHITEC
		JOB: 21_061
	JITE #2 568SF	
SUITE #2	□ □ 3,568SF / 150 = 24	
		COMMENTS
	SUITE #3 1,780SF	NUMBER NUMBER
SUITE #3	1,780SF / 150 = 12	REVISIO
		HILLCREST CLINIC PARCEL B01 019 BLAIRSVILLE, GEORGIA 3051 2
		LIFE SAFETY PLAN – LEVEL 2

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6	7	8	9	10	11	12



7/20/2021

BXUV.U305 UL Product iQ

BXUV.U305 UL Product iQ

BXUV.U305 UL Product iQ

SIAM GYPSUM INDUSTRY (SARABURI) CO ITD - Type FX-

THAI GYPSUM PRODUCTS PCL - Type X

UNITED STATES GYPSUM CO — Types SCX and SGX

USG BORAL DRYWALL SFZ LLC — Types SCX and SGX

USG MEXICO S A DE C V - Type SCX

3V. Gypsum Board* — (As an alternate to Item 3. For use with Item 5K) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the

BXUV, U305 UL Product iC

4. Steel Corner Fasteners — (Optional) — For use at wall corners. Channel shaped, 2 in. long by 1 in, high on the back side with two 1/8 in. wide deats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the gypsum board, no greater than 2 in. from corner of gypsum board, max spacing 16 in. OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. Batts and Blankets* — (Optional — Required when Item 6A is used (RC-1)) — Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be friction-fitted to completely fill the stud cavities.

CERTAINTEED CORP JOHNS MANVILLE

KNAUF INSULATION LLC

MANSON INSULATION INC

ROCKWOOL — Types Acoustical Fire Batts and Type AFB, min. density 1.69 pcf / 27.0 kg/m³

ROCKWOOL MALAYSIA SDN BHD - Type Acoustical Fire Batts

ROCK WOOL MANUFACTURING CO - Delta Board

INS773LD are to be used for dry application only

THERMAFIBER INC - Type SAFB, SAFB FF

5A. Fiber, Sprayed* - (Not Shown - Not for use with Item 6) - As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water o adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product. When Item 68 is used, Fiber, Sprayed shall be INS735, INS745, INS750LD, INS765LD or INS773LD. GREENFIBER L L C — INS735, INS745 and INS750LD for use with wet or dry application. INS515LD, INS541LD, INS735, INS765LD, and

5B. Fiber, Sprayed* — (Not Shown - Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instruct supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft. NU-WOOL CO INC - Cellulose Insulation

5C. Batts and Blankets* - Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, friction-fitted to fill interior of wall. https://iq.ulprospector.com/en/profile?e=14888

THERMAFIBER INC - Type SAFB, SAFB FF

5D. Glass Fiber Insulation - (As an alternate to Item 5C) - 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

BXUV.U305 UL Product iQ

5E. Batts and Blankets* ---- (Required for use with Wall and Partition Facings and Accessories, Item 3D) ---- Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturer

5F, Fiber, Spraved* — (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D) — As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ).

AMERICAN ROCKWOOL MANUFACTURING, LLC - Type Rockwool Premium Plus 5G. Fiber, Sprayed* - (Optional, Not Shown - Not for use with Items 6, 6A, 6B, 6C, or 6D), - As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed stud avity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP - Celbar-RL 5H. Foamed Plastic* --- (Optional -For use with Item 3R) --- Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. SES FOAM INC — Nexseal[™] 2.0 or Nexseal[™] 2.0 LE Spray Foam and Sucraseal Spray Foam.

51. Fiber, Sprayed* - (Not Shown - Not for use with Item 6) - As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the study. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft³ APPLEGATE HOLDINGS L L C - Applegate Advanced Stabilized Cellulose Insulation

5J. Foamed Plastic* — (Optional, Not Shown - For use with Item 3U) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. GACO WESTERN L L C - Types GacoEZSpray F4500, GacoProFill FR6500R, Gaco 052N, GacoOnePass F1850, GacoOnePass Low GWP F1880, and Gaco WallFoam 183M

5K. Foamed Plastic* — (Optional, Not Shown - For use with Item 3V) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. CARLISLE SPRAY FOAM INSULATION - Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HF

6. Steel Framing Members* - (Optional, Not Shown) - Furring channels and Steel Framing Members as described below a. Furring Channels - Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep. spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in, and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. Steel Framing Members* — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V dips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) dips for use with 2-23/32 in. wide furring PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75)

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BXUV.U305 UL Product iQ 7/20/2021 6A. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members on one side of studs as described below

a. Furring Channels - Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in, and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 3

b. Steel Framing Members* — Used to attach furring channels (Item 6Aa) to one side of studs only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are riction fitted into dips. KINETICS NOISE CONTROL INC - Type Isomax

6B. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels - Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in, and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on

each flange of the channel. Gypsum board attached to furring channels as described in Item 3. b. Steel Framing Members* - Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. PLITEQ INC — Type Genie Clip

6C. Steel Framing Members* - (Optional, Not Shown) - Furring channels and Steel Framing Members as described below: a. Furring Channels - Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 3.

b. Steel Framing Members* — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips. STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6D. Steel Framing Members* - (Optional, Not Shown) - Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 3

b. Steel Framing Members* — Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. REGUPOL AMERICA - Type SonusClip

6E. Steel Framing Members* ---- (Optional, Not Shown) ---- Resilient channels and Steel Framing Members as described below: a. Resilient Channels - Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in, from the center of the overlap. Gypsum board attached to resilient channels as described in Item 3.

b. Steel Framing Members* - Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw. KEENE BUILDING PRODUCTS CO INC - Type RC+ Assurance Clip

6F. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels --- Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to study. Channels secured to study as described in Item b. Ends of adjoining channels are overlapped 6 in, and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped

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7/20/2021 BXUV.U305 UL Product iQ 6 in, and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. Steel Framing Members* - Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. CLARKDIETRICH BUILDING SYSTEMS - Type ClarkDietrich Sound Clip

6G. Steel Framing Members* — (Optional, Not Shown) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 16 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions. PAC INTERNATIONAL L L C - Type RC-1 Boost

7. Furring Channel — Optional — Not Shown — For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 5C or 5D is required.

8. Caulking and Sealants — (Not Shown, Optional) — A bead of acoustical sealant applied around the partition perimeter for sound

9. STC Rating — The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except:

A. Item 2, above - Nailheads Shall be covered with joint compound.

B. Item 2, above - Joints As described, shall be covered with fiber tape and joint compound.

C. Item 5, above - Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.

D. Item 6, above - Steel Framing Members* Type RSIC-1 clips shall be used to attach gypsum board to studs on either side of the wall assembly.

E. Item 8, above - Caulking and Sealants (Not Shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.

F. Steel Corner Fasteners (Item 4), Fiber, Sprayed (Items SA and 5B) and Steel Framing Members (Item 6A), not evaluated as alternatives for obtaining STC rating.

10. Wall and Partition Facings and Accessories* - (Optional, Not Shown) - Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL sified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastene length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock QR-500 and QR-510

11. Cementitious Backer Units* — (Optional Item Not Shown — For Use On Face Of 1 Hr Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in, for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing. NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

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BXUV.U305 UL Product iC 12. Non-Bearing Wall Partition Intersection - (Optional) - Two nominal 2 by 4 in. studs or nominal 2 by 6 in. studs nailed together

with two 3 in. long 10d nails spaced a max. 16 in. OC. vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

13. Mesh Netting - (Not Shown) - Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row

14. Mineral and Fiber Board* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with 2 in. long Type W steel screws, spaced 12 in. OC. The required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. HOMASOTE CO - Homasote Type 440-32

14A. Mineral and Fiber Board* — (Optional, Not Shown) — For use with Items 14B-14E) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with minimum 1-3/8 in, long ring shanked nails or 1-1/4 in. long Type W steel screws, spaced 12 in, OC along board edges and 24 in. OC in field of board along intermediate framing. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. HOMASOTE CO - Homasote Type 440-32

14B. Glass Fiber Insulation — (For use with Item 14A) — 3-1/2 in, thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) categories for names of Classified companies.

14C. Batts and Blankets* — (As an alternate to Item 14B, For use with Item 14A), 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples placed 24 in. OC. THERMAFIBER INC - Type SAFB, SAFB FF

14D. Adhesive — (For use with Item 14A) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 14A).

14E. Gypsum Board* — (For use with Item 14A) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 14A) h vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 14A). Secured to outermost studs and bearing plates with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and nt compound. Screw heads covered with joint compound. Finish Rating 30 Min. AMERICAN GYPSUM CO - Type AG-C

CERTAINTEED GYPSUM INC - Type C

CGC INC - Types C, IP-X2, IPC-AR

CERTAINTEED GYPSUM INC — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C - Types 5, DAPC, TG-C

NATIONAL GYPSUM CO - Types FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type PG-C

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PANEL REY S A - Type PRC

UNITED STATES GYPSUM CO - Types C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC - Type C

THAI GYPSUM PRODUCTS PCL - Type C

USG MEXICO S A DE C V - Types C, IP-X2, IPC-AR

14F. Mineral and Fiber Board — (Optional, Not Shown) — For optional use as an additional layer on one side of wall - Nom 1/2 in. thick, 4 ft wide, square edge fiber boards applied vertically to studs on one side of the wall in between the wood studs and the UL ssified Gypsum Board (Item 3). Fiber boards installed with 1-1/4 in. long, Type W, bugle head, coarse thread gypsum board screws spaced 12 in. OC max, with the last screws spaced 2 in. and 6 in. from edge of board. Gypsum board (Item 3) installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or ntended as a substitute for the required layer(s) of UL Classified Gypsum Board. BLUE RIDGE FIBERBOARD INC - SoundStop

BXUV.U305 UL Product iQ

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

of a company's name or product in this database does not in itself assure that products so identified have been manufaction nder UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up ervice. Always look for the Mark on the product. UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, resembles, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL* must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following

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RCP NOTE SCHEDULE						
NO.	COMMENTS					
1	COORDINATE LIGHTING WITH X/RAY/CT EQUIPMENT REQUIREMENTS AND LOCATION. SEE X/RAY/CT DRAWINGS.					
1	EQUIPMENT REQUIREMENTS AND LOCATION. SEE X/RAY/CT DRAWINGS.					

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REFLECTED CEILING PLAN LEGEND

RECESSED DOWNLIGHT

STRIP LIGHTING FIXTURE

UNDERCABINET LIGHTING

DUST SOFFIT

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2' x 4' LAY-IN LIGHT FIXTURE

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EXTERIOR WALL SCONCE
HVAC RETURN
HVAC SUPPLY AIR DIFFUSER
EXHAUST FAN
EXTERIOR CANOPY LIGHT FIXTURE; SELECTED BY OWNER
X-RAY ON/ CT IN USE WARNING LIGHT

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DRAFT STOPPING GENERAL NOTES

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1. DRAFTSTOPPING MATERIAL SHALL BE NOT LESS THAN 1/2" GYP BOARD, 3/8" WOOD STRUCTURAL PANEL, 3/8" PARTICLE BOARD, 1" NOMINAL LUMBER, CEMENT FIBERBOARD, BATTSOR OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED.

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2. ATTIC DRAFTSTOPPING SHALL SUBDIVIDE ATTIC SPACES SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000SF. MAINTAIN ATTIC VENTILATION.

3. OPENINGS IN DRAFTSTOPPING PARTITIONS SHALL BE PROTECTED BY SELF-CLOSING DOORS WITH AUOTOMATIC LATCHES CONSTRUCTED AS REQUIRED FOR PARTITIONS.

4. EXTEND DRAFTSTOPPING FROM CEILING MEMBRANE (DRYWALL OR SUSPENDED CEILING) TO UNDERSIDE OF ROOF DECK.

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S					KEVIN B. WHIPPLE 10/07/2021 ALCONTROL ALC
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A8 A-5.3 1" = 1'-0"

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Name	Width	Height	Door Type	Frame Material	Door Material	Lookaat	Commonto
ANCE	6' - 0"	8' - 0"	4	Al	AI /GI	EGRESS	Comments
	3' - 0"	7' - 0"	1	HM	HM	STORAGE	1HR RATED DOOR
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
NOC	5' - 0"	7' - 0"		HM	SCWD		CASED OPENING
DOM	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PRIVACY	
JP	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
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ND	3' - 0"	7 - 0"	1	HM	SCWD	PASSAGE	
	4' - 0"	7' - 0"	1	HM	HM	PASSAGE	LEAD SHIELDED DOOR
KIT	6' - 0"	7' - 0"	2	HM	HM	EGRESS	LEAD SHIELDED DOOR
DL	3' - 8"	7' - 0"				PASSAGE	CASED OPENING
TROL	3' - 8"	7' - 0"				PASSAGE	CASED OPENING
	4' - 0"	7' - 0"	1	HM	HM	PASSAGE	LEAD SHIELDED DOOR
	3' - 0"	7' - 0"	1	HM	SCWD	PRIVACY	
	3' - 0"	7' - 0"	1	HM	HM	STORAGE	1HR RATED DOOR
	3' - 0"	7' - 0"	1	HM	HM	STORAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PRIVACY	
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	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
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	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PRIVACY	
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	3' - 0"	7' - 0"	1	HM	SCWD	STORAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PRIVACY	
FICE #2	3' - 0"	7' - 0"	1	HM	SCWD	OFFICE	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
UT	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
UT	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	HM	STORAGE	
_	3' - 0"	7' - 0"	1	HM	SCWD	STORAGE	
M	3' - 0"	7' - 0"	1	HM	SCWD	PUSH/PULL	
	3' - 0"	7' - 0"	1	HM	SCWD	OFFICE	
	3' - 0"	7' - 0"	1	HM	SCWD	LGRESS	
	3' - 0"	/ - 0"	1	HM	SCWD	EGRESS	
	3' - 0" 2' 0"	/ - U"	1	HM	SCWD	PASSAGE	
	ວ-0 ຊະດ"	7 - U 7' O"	1		SCWD		
	3' - 0"	7' - 0"	1	НМ	SCWD	OFFICE	
	3' - 0"	7' - 0"	1	HM	SCWD		
UT	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	STORAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
M	3' - 0"	7' - 0"	1	HM	SCWD	PUSH/PULL	
	3' - 0"	7' - 0"	1	НМ	SCWD	PASSAGE	
	3' - 0"	7' - 0"	1	HM	SCWD	PRIVACY	
	3' - 0"	7' - 0"	1	HM	SCWD	PASSAGE	
			HARDWARE N 1. HARDWARE 2. CYLINDER (I <mark>OTES:</mark> E TO BE LEVER A OPERATION BY L	CTUATED EVER	PER ANSI A1	17.1 KEY: SCWD - SOLID CORE WOOD DOOR HCWD - HOLLOW CORE WOOD DOOR

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	REGISTERED	O. RADINES
JC	OB:	21_061
D	RW:	PR
	DATE NUMBER COMMENTS	KBW
	HILLCREST CLINIC	PARCEL B01 019 BLAIRSVILLE, GEORGIA 30512
		R &

DATE: 10/06/2021

CSC

INC.

ARCHITECTS & ENGINEERS

KEVIN B. WHIPPLE

10/07/2021

135 P. Rickman Industrial Dr.

Suite 100, Canton, GA 30115

(770) 345-2579

DESIGN,

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3' - 9"

3' - 0"

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VE CIRC	RTICAL ULATION
A	-8.1
DATE:	10/06/2021

ī	1	2	3	4	5	6
			WOOD TRUSSES			
			1. CODES: STRUCTURAL WOOD IS	5 TO BE DESIGNED, DETAILED, F	ABRICATED AND CONSTRUC	CTED IN ACCORDANC
Ľ			WITH: A. "NATIONAL DESIGN SPECIFICA"	TIONS FOR WOOD CONSTRUCTI	ON" BY NATIONAL FOREST F	PRODUCTS
			ASSOCIATION (NFPA). B. PRODUCT STANDARD PS20 "AM		TANDARD" BY NBS	
			C. PLYWOOD CONFORMING TO AF	PA GRADE.		
			D. METAL PLATE-CONNECTED WC PLATE CONNECTED WOOD TRUS	OOD TRUSS DESIGN CONFORMIN SES" BY TRUSS PLATE INSTITUT	IG TO "DESIGN SPECIFICATI E (TPI) AND TPI QUALITY CO	ONS FOR LIGHT MET NTROL MANUAL.
K			2. TRUSS MANUFACTURER SHALL	DESIGN FOR THE FOLLOWING	SUPERIMPOSED LOADS:	
				DEAD LOAD10 PSF		
			BOTTOM CHORD E	DEAD LOAD10 PSF		
			2. WOOD TRUSSES ALONG A VER	TICAL PLANE OF THE BUILDING	SHALL BE CONTINUOUS. TR	USSES MAY BE
J			SPLICED FOR SHIPPING PURPOSE	ES AND CONNECTED IN THE FIE	LD WITH METAL CONNECTO	R PLATES.
			3. SHOP DRAWINGS SHALL BE SU INCLUDING LATERAL BRACING DE	BMITTED TO THE ARCHITECT FO TAILS SHALL BE MADE AVAILAB	OR REVIEW. ALL TRUSS SHO GLE ON THE JOBSITE AND SH	P DRAWINGS ALL BEAR CLEAR
			INDICATION THAT THEY HAVE BEE	EN REVIEWED AND APPROVED E	3Y THE ARCHITECT.	
			4. TRUSSES SHALL BE DESIGNED	AND SEALED BY A PROFESSION		
			PLATES, HARDWARE FOR CONNE	CTION BETWEEN TRUSSES AND) BRACING. DESIGN SHALL C	ONSIDER DEAD
н			LOADS, LIVE LOADS, ALL SPECIAL PLANS, EQUIPMENT PIPES, ETC. V	. LOADS SUCH AS EXTRA LIVE L /ERIFY LOADS WITH EQUIPMEN ⁻	OADS, CONCENTRATED LOA T AND SUPPLIERS.	DS AS SHOWN ON TH
			5. MINIMUM TRUSS CHORDS SIZE	SHALL BE 2X4's.		
			6. DEFLECTIONS OF WOOD TRUS	SES SHALL BE LIMITED TO L/360	FOR LIVE LOADS AND L/240	FOR COMBINED DEA
			AND LIVE LOADS.			
G			6. PRE-ENGINEERED METAL PLAT	E CONNECTED WOOD TRUSSES	SHALL BE BRACED IN ACCO	ORDANCE WITH TRUS
			INSPECTION AND SHALL BEAR CL	EAR INDICATION THAT THEY HA	VE BEEN REVIEWED AND AF	PROVED BY THE
			PROJECT STRUCTURAL ENGINEE	R OF RECORD.		
F			8. ERECTION BRACING SHALL BE SAFE CONDITION UNTIL PERMANE	INSTALLED AS NECESSARY TO ENT TRUSS BRACING AND BRID	HOLD THE TRUSSES TRUE A GING CAN BE INSTALLED. AL	ND PLUMB AND IN L ERECTION AND
			PERMANENT BRACING SHALL BE	INSTALLED AND ALL COMPONE	NTS PERMANENTLY FASTEN	
			BY THE TRUSS MANUFACTURER.	SUBMIT TEMPORARY BRACING	LOCATIONS TO ENGINEER F	OR REVIEW ON SHO
			BRACING WOOD TRUSSES COMM	EFABRICATED WOOD TRUSSES / ENTARY (BWT-76) OF HFT-80, AS	ARE TO BE INSTALLED IN AC 3 PUBLISHED BY THE TRUSS	PLATE INSTITUTE.
E			PLYWOOD WALL	SHEATHING		
			$1.\frac{5}{8}$ " APA-CDX PLYWOOD RATED S	HEATHING $\frac{32}{16}$ FOR ALL DIAPHRA	.GMS.	
			2. MINIMUM SIZE OF CONNECTION	N SHALL BE 10d NAILS TO WOOD	Ι.	
			3. MAXIMUM SPACING OF FASTEN	IERS SHALL BE 6" O.C. AT EDGE	S & 12" O.C. AT INTERMEDIA	TE SUPPORTS.
D			4. PROVIDE 2X6 BLOCKING AT PLY	YWOOD JOINTS FOR 6" NAIL SPA	ACING.	
			PLYWOOD ROOF	SHEATHING		
			1. $\frac{5}{8}$ " APA RATED PLYWOOD SHEAT	THING ³² EXPOSURE 1.		
			2. LONG SIDE OF PLYWOOD PANE	EL SHALL BE PERPENDICULAR T		END JOINT OF THE
			SHALL BE CONTINUOUS OVER TW	O OR MORE SPANS.		LE JUINTOJ. PANLES
C			3. MINIMUM SIZE OF CONNECTION	N SHALL BE 8d NAILS TO WOOD.	MAXIMUM SPACING OF CON	NECTION SHALL BE
			AT PERIMETER, 6" AT ENDS OF PA	ANEL, AND 12" AT INTERMEDIATE	E SUPPORT.	
			4. SUITABLE EDGE SUPPORT SHA BY USE OF PANEL CLIPS OR LUME	LL BE PROVIDED AS RECOMME BER BLOCKING BETWEEN JOIST	NDED BY THE AMERICAN PL'	YWOOD ASSOCIATIO OCCUR OVER
			FRAMING. PLYWOOD PANELS SHA	ALL BE BLOCKED WITH 2X6 AT P	ERIMETER OF ROOF	
В						
А						
		1	1			1
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	-		NOTES					GENERAL NOTE	
ANCE	:	2. THE DESIGN SOIL BEAR	ING CAPACITY IS	2,000 PSF.				OTHER STANDARD SPECIFICAT	TIONS OR CO
		3. ALL FOUNDATIONS SHAI GEOTECHNICAL ENGINEEF	LL BE INSTALLED I R IN THE PROJECT	JNDER THE GUIDAI STATE. THE GEOT	NCE OF A REGISTERED PROFESSIO ECHNICAL ENGINEER SHALL GIVE (2. DRAWINGS SHOW TYPICAL A PROVIDE DETAILS SIMILAR TO	AND CERTAIN THOSE SHOW
1ETAL	 	DOCUMENTS. DESIGN PRO THE FIELD DIFFERENT TO	DFESSIONAL IS NO THOSE ASSUMED	T RESPONSIBLE FOR DESIGN	DR SUBSURFACE CONDITIONS ENC	OUNTERED IN		3. VERIFY ALL EXISTING CONDI STARTING WORK. NOTIFY STRI	TIONS, DIME UCTURAL EN
		4. ALL EXCAVATIONS AND GEOTECHNICAL ENGINEEF	GRADES PREPARI R TO VERIFY THE [ED FOR BEARING S DESIGN ASSUMPTIC	HALL BE INSPECTED BY A QUALIFIE ONS AND REPORT NONCONFORMIN	ED G CONDITIONS.		4. NOTIFY THE STRUCTURAL E CONTRADICTORY TO THOSE S	NGINEER IN \ HOWN ON TH
		5. STRUCTURAL FILL SHAL PRIOR TO PLACEMENT. ST PLACED IN LIFTS OF THICK LEAST 95% OF ITS STANDA	L CONTAIN NO OR RUCTURAL FILL U (NESS DETERMINE ARD PROCTOR MA	RGANIC MATERIAL A NDER SLABS AND \ ED BY THE INDEPEN XIMUM DRY DENSI	AND BE APPROVED BY A GROTECHN WITHIN 10'-0" OF THE BUILDING FOO NDENT TESTING AGENCY AND COMI TY IN ACCORDANCE WITH ASTM D69	NICAL ENGINEER DTPRINT SHALL BE PACTED TO AT 98. THE TOP 12"		5. THE CONTRACTOR IS SOLEL SHORING, TEMPORARY SUPPC COMPLETE.	Y RESPONSI ORTS, ETC. TH
		SUB-BASE UNDER SLABS (MAXIMUM DRY DENSITY. A AN INDEPENDENT TESTIN(ON GRADE SHALL LL BACKFILL, COM G LABORATORY.	BE COMPACTED TO	O AT LEAST 98% OF ITS STANDARD I OOF ROLLING OPERATIONS SHALL B	PROCTOR BE OBSERVED BY		6. THE GENERAL CONTRACTOR DRAWINGS FOR MECHANICAL I REQUIREMENTS OF SUCH ITEN	r Shall ver Equipment, IS.
THE DR		6. PRIOR TO COMMENCING ARCHITECT/STRUCTURAL LOWERED WHERE REQUIF	ANY FOUNDATIO ENGINEER SHALL RED TO AVOID UTII	N WORK, COORDIN BE NOTIFIED AND LITIES.	IATE WORK WITH ANY EXISTING UTI APPROVAL OBTAINED BEFORE FOO	ILITIES. DTINGS ARE TO BE		7. THE GENERAL CONTRACTOR PROCEDURES IN ORDER TO CO	R SHALL BE R OMPLY WITH
N THE	-	7. FOUNDATION CONDITIO GEOTECHNICAL REPORT S	NS NOTED DURING	G CONSTRUCTION	WHICH DIFFER FROM THOSE DESCI ECT, STRUCTURAL ENGINEER, AND	RIBED IN THE) GEOTECHNICAL		8. COORDINATE STRUCTURAL PLUMBING AND CIVIL. NOTIFY S	CONTRACT D STRUCTURAL
DEAD		ENGINEER BEFORE FURTH RESPONSIBLE FOR DIFFEF JNREPORTED CONDITION	IER CONSTRUCTIO RENTIAL SETTLEM S.	ON IS ATTEMPTED. ENT, SLAB CRACKI	STRUCTURAL ENGINEER SHALL NO NG, OR OTHER FUTURE DEFECTS R	OT BE ESULTING FROM		9. COORDINATE AND VERIFY FI MECHANICAL, PLUMBING AND I PADS, ETC. NOT SHOWN ON TH ELECTRICAL DRAWINGS.	LOOR AND RO ELECTRICAL IE STRUCTUR
RUSS		8. FROST DEPTH FOR THIS OF 12" ABOVE BOTTOM OF 9. COORDINATE TOP OF FO	PROJECT IS 12" E FOUNDATIONS.	BELOW GRADE. FIN	ISHED GRADE SHALL BE MAINTAINE	ED A MINIMUM OF		10. THE CONTRACTOR IS RESP ARCHITECTURAL DRAWINGS. N DRAWINGS OR ANY WORK FOR	ONSIBLE FOI NOTIFY STRU R DIMENSION
	I							11. DO NOT SCALE FOR DIMEN	
١		WITHOUT REVIEW AND AP	PROVAL BY THE S HERE INSTALLED I	TRUCTURAL ENGI	NEER OF RECORD. PIPING MAY PAS ITH "TYPICAL PIPE UNDER FOOTING	SS BELOW G" DETAIL.		12. NO PROVISIONS HAVE BEET	
	_	CAST-IN-PLA	CE REINF	ORCED C	ONCRETE				
NED HOP		1. ALL CONCRETE WORK S STRUCTURAL CONCRETE"	HALL BE IN ACCO AND ACI 301 "STA	RDANCE WITH ACI	318-14, "BUILDING CODE REQUIREN TIONS FOR STRUCTURAL CONCRET	/ENTS FOR "E".		13. THE GENERAL CONTRACTC REGULATIONS.	R HAS SOLE
Ξ.	:	2. PORTLAND CEMENT SH			ASTM C150.			14. REVIEW OF SUBMITTALS OF CONTRACTOR OF THE SOLE RI BEFORE SUBMITTING TO THE F	R SHOP DRAV ESPONSIBILI ⁻ DESIGN PROF
	Ĭ	FOLLOWS: ALL CONCE	RETE = 4,000 PSI			STRENGTHAS		ERRORS AND OMISSIONS ASSO MEMBER SIZES, DETAILS, AND	DCIATED WIT
		4. CONCRETE PROTECTIO CONCRETE FORMED C INTERIOR S	N FOR REINFORCI E CAST AGAINST E ONCRETE EXPOSI SLABS = $\frac{3}{4}$ " CLEARA	NG STEEL SHALL C ARTH = 3" CLEARAI ED TO EARTH OR W ANCE.	ONFORM TO THE FOLLOWING MINII NCE /EATHER = 2" CLEARANCE	MUM VALUES:		15. STRUCTURAL DESIGN PROF CURTAIN WALL/WINDOW WALL THE STRUCTURAL DOCUMENT BY OTHER PORTIONS OF THE	FESSIONAL IS SYSTEMS, C S. SUCH SYS CONTRACT E
		5. TEST CYLINDERS SHALL SHALL BE FORWARDED TO REVIEW BY INSPECTORS.	. BE TAKEN AS A R) THE ARCHITECT	REPRESENTATIVE S AND ENGINEER. TE	AMPLE OF THE CONCRETE PLACED). TEST RESULTS ON SITE FOR		DESIGN CRITER 1. BUILDING CODES AND STAN a. 2018 INTERNATIONAL BUILDI b. ASCE 7-16 "MINIMUM DESIGN	CARDS. NG CODE (IB
= _S		6. CONCRETE SHALL REA APPLIED. CONCRETE STRE	CH 75% OF THE TO ENGTH SHALL BE V	OTAL COMPRESSIV	E STRENGTH BEFORE CONSTRUCT DAY CYLINDER BREAK.	ION LOADS ARE		c. ACI 318-14, "BUILDING CODE d. AISC 15TH EDITION, "SPECIF 2. DESIGN ROOF DEAD LOAD	REQUIREME
35 6"		7. NO WATER SHALL BE AD	DED TO THE CON	CRETE AT THE JOE				 a. 20 PSF 3. DESIGN ROOF LIVE LOAD a. 20 PSE 	
		WILD STEEL REINFORCE WELDED WIRE REINFORCI WITH ASW D1.4.	NG WHICH SHALL	CONFORM TO ASTM A	M A706, GRADE 60 AND WELDED IN	ACCORDANCE		 4. DESIGN FLOOR LIVE LOAD a. 100 PSF SLAB-ON-GRADE 	
HON		9. MILD STEEL REINFORCE PRACTICE FOR PLACING R STANDARD PRACTICE FOF	EMENT SHALL BE F EINFORCING BAR R DETAILING REINF	PLACED AND SECU S" AND DETAILED II FORCED CONCRET	RED IN ACCORDANCE WITH CRSI "R N ACCORDANCE WITH ACI 315 "MAN E STRUCTURES".	ECOMMENDED IUEL OF		 b. 50 PSF OFFICE/EXAM 2nd c. 80 PSF CORRIDORS ABO 5. DESIGN SNOW LOAD a. GROUND SNOW LOAD, P 	FLOOR LOAI /E THE FIRST g=5 PSF
		10. WELDED WIRE FABRIC SHEETS NOT IN ROLLS.	SHALL CONFORM	TO ASTM A184. ALI	. WELDED FABRIC SHALL BE PROVII	DED IN FLAT		 a. ULTIMATE DESIGN WIND S b. NOMINAL DESIGN WIND S c. RISK CATEGORY	SPEED, Vult PEED Vasd
		11. REINFORCEMENT BARS SHALL BE LAP SPLICED TV	S SHALL BE LAP SF VO FULL PANELS A	PLICED CLASS B AN AND TIED ON EACH	ID CONFORM TO ACI 318. WELDED \ SIDE.	WIRE FABRIC		d. WIND EXPOSURE CATEGO e. IMPORTANCE FACTOR, IW	DRY
	-	12. LONGITUDINAL CORNE TYPICAL CMU DETAILS FO	R BARS SHALL BE R ADDITIONAL INF	PLACED AT ALL CO ORMATION.	ORNERS AND INTERSECTIONS OF FO	DOTINGS. SEE		I. DUILUING ENGLUSUKE IY	r E
-	Ι		I						
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GENERAL NOTES 1. ALL CONSTRUCTION SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2018 EDITION. REFERENCE TO OTHER STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE LATEST BUILDING CODE ADOPTED EDITION OR THE LATEST PUBLISHED EDITION	CSC DESIGN, INC. ARCHITECTS & ENGINEERS 135 P. Rickman Industrial Dr. Suite 100, Canton, GA 30115 (770) 245-2570
2. DRAWINGS SHOW TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN.	EORG
3. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AFFECTING NEW CONSTRUCTION BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCY.	NO. 25156 PROFESSIONAL
4. NOTIFY THE STRUCTURAL ENGINEER IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.	TAID A. WHITE
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. THE STRUCTURAL ELEMENTS ARE NOT STABLE UNTIL THE STRUCTURE IS COMPLETE.	JOB: 21_061 DRW: DAW
6. THE GENERAL CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.	CHK: DAW
7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS.	
8. COORDINATE STRUCTURAL CONTRACT DOCUMENTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL. NOTIFY STRUCTURAL ENGINEER OF ANY CONFLICT.	
9. COORDINATE AND VERIFY FLOOR AND ROOF OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. FOR ADDITIONAL OPENINGS, INSERTS, SLEEVES, CURBS, PADS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.	WENTS
10. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DIMENSIONS SHOWN ON THE STRUCTURAL AND ARCHITECTURAL DRAWINGS. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCY BEFORE STARTING SHOP DRAWINGS OR ANY WORK. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.	IS NUMBER COM
11. DO NOT SCALE FOR DIMENSIONS NOT SHOWN ON THE DRAWINGS. SEND WRITTEN REQUEST FOR INFORMATION TO THE ARCHITECT FOR DIMENSIONS NOT PROVIDED.	DATE
12. NO PROVISIONS HAVE BEEN MADE IN THE DESIGN FOR THE SUPPORT OF A CONCENTRATED LOAD FROM PLUMBING, MECHANICAL OR HVAC UNITS EXCEPT AS SHOWN ON THE DRAWINGS.	
13. THE GENERAL CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE OSHA REGULATIONS.	
14. REVIEW OF SUBMITTALS OR SHOP DRAWING BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.	
15. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.	T CLIN
DESIGN CRITERIA	
1. BUILDING CODES AND STANDARDS.	R
a. 2018 INTERNATIONAL BUILDING CODE (IBC) WITH 2020 ED. GEORGIA AMENDMENTS. b. ASCE 7-16, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"	
C. ACI 318-14, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"	
a. AISC 191H EDITION, "SPECIFICATIONS FORSTRUCTURAL STEEL BUILDINGS" 2. DESIGN ROOF DEAD LOAD	
a. 20 PSF	
a. 20 PSF	
4. DESIGN FLOOR LIVE LOAD a 100 PSE SLAB-ON-GRADE	
b. 50 PSF OFFICE/EXAM 2nd FLOOR LOAD	
c. 80 PSF CORRIDORS ABOVE THE FIRST FLOOR 5 DESIGN SNOW LOAD	
a. GROUND SNOW LOAD, Pg=5 PSF	
6. DESIGN WIND LOADS: a UI TIMATE DESIGN WIND SPEED, Vult	
b. NOMINAL DESIGN WIND SPEED Vasd89 MPH	
C. RISK CATEGORY	GENERAL
	NOTES

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e. IMPORTANCE FACTOR, Iw-----1.00 f. BUILDING ENCLOSURE TYPE-----ENCLOSED

WHITE ENGINEERING, LLC

S-1

DATE: 9/29/2021

STRUCTURAL ENGINEERS 2436 MUIRFIELD WAY DULUTH, GEORGIA 30096

PHONE (770) 290-3182	
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6	7	8	9	10	11	12
		WOOD FRAMING	(CONTINUED)			M
10		PERFORMANCE:				1. (FO ST
NG,						2.1
s NOW		ALIGNMENT UNTIL ALL ROOF TRUS PLACE. BRACING RECOMMENDATIO GUIDELINES.	SES, WALL TRUSSES, GIRDER	S, ROOF DECKS, FLOOR DEC JNCIL OF AMERICA. REFER 1	CKS AND WALLS ARE IN FO MINIMUM BRACING	TO
		B. INSTALL ALL FRAMING PLUMB	, LEVEL AND TRUE.			3. (ST
		C. INSTALL FRAMING ANCHORS	AS RECOMMENDED BY MANUF	ACTURER.		SH 4 (
USS		D. TRUSSES SHALL BE INSTALLE	D LEVEL, PLUMB, TRUE, AND S	SLOPED AS INDICATED AND S	SPACED IN CLIPS TO WITHSTAND	RE
		UPLIFT FORCES. ALL PERMANENT FABRICATORS DETAILS.	BRACING ELEMENTS SHALL BE	E INSTALLED ACCORDING TO) THE TRUSS	5. '
SHALL		E. PROVIDE STUDS OR BLOCKIN ACCESSORIES, TOILET PARTITION	G FOR ALL ACCESSORIES ATT, S, SHELVING, AND COUNTERS.	ACHED TO WALLS SUCH AS I	LADDER, TOILET	FO AT
		2. NAILING SCHEDULE FOR PLYWO	OD:			6. F INC
ERS SI.		A. WALL AND ROOF SHEATHING STRUCTURAL DRAWINGS.	- NAILING SHALL BE ACCORDIN	IG TO SHEATHING NAILING S	SCHEDULE, REFER TO	7. F MA
ILN		B. PANEL END JOINTS TO OCCUP	r over framing. Allow <u>1</u> 1" Si	PACING AT PANEL ENDS AND	$D_{8}^{\frac{1}{8}}$ " AT PANEL EDGES.	8
		C. POWER NAILING SHALL USE T BELOW THE SURFACE OF THE PLY	THE SAME NAIL SIZE AS SPECIF	IED. THE NAIL HEADS SHALL	NOT BE DRIVEN	9. (
		3. NAILING SCHEDULE FOR FOR FR	AMING:			10.
HOWN		A. ALL FRAMING SHALL BE NAILE AND/OR NATIONAL BUILDING CODE	ED WITH MINIMUM CONNECTION ES AND/OR AS INDICATED ON T	NS MEETING THE REQUIREM THE STRUCTURAL FRAMING I	IENTS OF LOCAL DRAWINGS AND	11. 12.
		NOTES.				13.
		MEMBERS.	ILUT WATEN, GAS, AND ELEUT			14. OT
						OP
						IBC FASTENI
				1. BAND JOIST 2. JOIST TO B	INECTION <u>T TO SILL OR TOP PLATE, TO</u> AND JOIST, FACE NAIL	E NAIL
ED.				3. JOIST TO S 4. BRIDGING 1 5. LEDGER ST	ILL OR GIRDER, TOE NAIL TO JOIST, TOE NAIL EACH EN TRIP	D
RIOR				6. 1x6 OR LES 7. OVER 1x6 S 8. 2" SUBELOO	S SUBFLOOR TO EA. JOIST, F SUBFLOOR TO EA. JOIST, FAC OR TO JOIST/GIRDER BLIND	ACE NAIL E NAIL & FACE NAII
				9. SOLE PLAT 10. TOP OR SO 11. STUD TO S	E TO JOIST OR BLOCKING, FA	
				12. DOUBLED 13. DOUBLED 14. TOP PLAT	STUDS, FACE NAIL TOP PLATES, FACE NAIL	
ODE.				14. TOP PLAT 15. CONTINUC 16. CEILING JO	DUS HEADER, TWO PIECES DISTS TO PLATE, TOE NAIL	
				17. CONTINUE 18. CEILING JO 19. CEILING JO	OUS HEADER TO STUD, TOET OISTS, LAPS OVER PARTITIO OISTS TO PARALLEL RAFTER	NAIL NS, FACE NAIL S, FACE NAIL
				20. RAFTER 10 21. 1" BRACE 22. 1x8 OR LE	O PLATE, TOE NAIL TO EA. STUD & PLATE, FACE SS SHEATHING TO EA. BEAR	NAIL ING, FACE NAIL
				23. OVER 1x8 24. BUILT-UP (25. BUILT-UP (SHEATHING TO EA. BEARING CORNER STUDS GIRDERS/BEAMS, OF THREE	J, FACE NAIL
				26. 2" PLANKS 27. STUDS TO	SOLE PLATE, END NAIL	
		1/8"	AB-SEE PLAN WF-SEE PLAN			
		SAW-CUT WITHIN 12 HOURS				
SLEEVE NICAI						
	TY	PICAL SAW-CU	T			
- ($\left(\begin{array}{c}2\\S-2\end{array}\right) \frac{JO}{SCALE}$	INT DETAIL (FJ :: 3/4" = 1'-0"	ON PLAN)	$\left(\begin{array}{c}3\\S-2\end{array}\right)$		
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MASONRY NOTES

1. CONCRETE MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", ACI 530/ ASCE 5/ TMS 402 AND THE "SPECIFICATIONS FOR MASONRY STRUCTURES", ACI 530.1/ ASCE 6/ TMS 602.

2. CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH, fm-1500 PSI, CORRESPONDING TO UNIT STRENGTH OF 1,900 PSI ON NET CROSS-SECTION AREA OF CMU DETERMINED IN ACCORDANCE WITH ASTM C140.

3. GROUT FOR REINFORCED MASONRY SHALL BE IN ACCORDANCE WITH ASTM C476 WITH MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. AGGREGATES FOR GROUT SHALL CONFORM TO ASTM C404. THE AMOUNT OF WATER SHALL BE SUFFICIENT TO OBTAIN A SLUMP OF 8 TO 11 INCHES.

4. GROUTED CELLS WITH REINFORCEMENT SHALL BE PROVIDED AT EACH SIDE OF ALL OPENINGS EQUAL TO THE REINFORCEMENT DISPLACED. MINIMUM REINFORCEMENT SHALL BE 1-#5 MINIMUM AT EACH SIDE OF OPENINGS, EACH SIDE OF CONTROL JOINTS.

5. VERTICAL REINFORCEMENT SHALL BE PLACED IN GROUTED CELLS. IT SHALL BE DOWELED INTO THE FOUNDATION AND EXTEND TO THE BOND BEAM AT THE TOP OF EACH WALL. PROVIDE A MINIMUM 2"X2" OPENING AT THE U BLOCK FOR THE VERTICAL BAR.

6. PROVIDE TYPE 'S' MORTAR IN ACCORDANCE WITH ASTM C270. MORTAR BED JOINTS SHALL NOT EXCEED 5/8 INCHES.

7. PROVIDE HOLLOW, LOAD-BEARING CONCRETE MASONRY UNITS (CMU) CONFORMING TO ASTM C90, WITH A MAXIMUM DENSITY OF 105 PCF.

8. TRUSS AND LADDER REINFORCEMENT SHALL BE ZINC COATED AND COMPLY WITH ASTM A82.

9. COORDINATE EMBEDDED ITEMS REQUIRED FOR ARCHITECTURAL, STRUCTURAL, AND MECHANICAL ELEMENTS.

10. CONCRETE MASONRY WALLS SHALL BE TEMPORARILY BRACED DURING CONSTRUCTION.

11. NO CONDUIT AND/OR PIPE IS PERMITTED WITHIN REINFORCED GROUTED MASONRY.

12. MILD STEEL REINFORCEMENT SHALL CONFORM TO ASTM A615 WITH A MINIMUM YIELD OF 60 KSI.

13. MASONRY UNITS SHALL BE PLACED IN RUNNING BOND.

14. JOINT REINFORCING SHALL BE LADDER TYPE, 9 GAUGE SPACED VERTICALLY AT 16" UNLESS NOTED OTHERWISE. PROVIDE JOINT REINFORCING AT 8" MASONRY BELOW GRADE, 2 ROWS AT 8" TOP AND BOTTOM OF OPENINGS, (EXTEND 24" EACH SIDE) AND 2 ROWS AT 8" AT BOND BEAMS.

STENING SCHEDULE (115 MPH)	
FASTENER	NUMBER OR SPACING
8d	6" O.C.
16d COMMON	3
8d COMMON	3
8d COMMON	2
16d COMMON	3 @EA. JOIST
8d COMMON	2
8d COMMON	3
16d COMMON	2
16d COMMON	16" O.C.
16d COMMON	2
8d COMMON	4
10d COMMON	24" O.C.
10d COMMON	16" O.C.
	(2)16d/(3)10d COMMON
16d COMMON	16" O.C. ALONG EDGE
8d COMMON	3
8d COMMON	3
	(3)16d/(4)10d COMMON
	(3)16d/(4)10d COMMON
8d COMMON	3
8d COMMON	2
L 8d COMMON	2
8d COMMON	3
16d COMMON	24" O.C.
20d COMMON	32" O.C. @TOP & BOT. &
	STAGGERED 2 ENDS &
	@EA. SPLICE
16d COMMON	2 EA. BEARING
16d COMMON	2 EA. END

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FПU	INE(770) 290-3182
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(1	MECHANICAL	ATTIC	PLAN
M	-1.3	SCALE: 1/4"=1'0"		

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F	1		2		3		4		5		6			7		8		9		10		11		12	
					GAS	s furi	NACE UI	NIT SCHE	EDULE											(CEILING	EXH	aust f	AN S	SCHEDUL
.	MARK	BOD	BOD		ESP	CEM	HEATING CAP.	EFFICIENCY	VOLT/PH	мса	MOCP	0.A.	SMOKE	_	NOTES	MARK	MAKE	MODEL	CF	M POWE	R ESF	S	ONES	TYPE	LO
L		MAKE	MODEL	TONS	(in.WC)		(MBH)	AFUE %				REQ	DETECTO	۲ ۲ ۲		EF-A	GREENHECK	SP-B110	7	5 80W	0.5"		2.0	CEILING	RESTROO
	GF-1.1		59SC5B	3	0.5"	1200	80/75	96.5	120/1	13.4	15	150	YES		1,2,3	NOTES:) BE INTERLOCKED) TO LIGHT SW	TCH OR O)N SEPARATE SV	WITCH ADJACE	NT TO LIGI	HT SWITCH FO	R OPERA	
	GF-1.2 GF-1.3		59SC5B	3.5	0.5	1400	80/75	96.5	120/1	16.7	20	200	YES		1,2,3										
	GF-1.4	CARRIER	59SC5B	2	0.5"	800	60/58	96	120/1	12.9	15	100	YES		1,2,3				DESI	IGN CON		5			
к	GF-2.1	CARRIER	59SC5B	2.5	0.5"	1000	60/58	96.3	120/1	12.9	15	100	YES		1,2,3	1. DESIG	N BASED ON OU B°F DRY BULB,	UTSIDE AMBII 73.4°F WET	NT ASHR BULB – S	CONDITION	IS FOR ATLA IRAE 0.4%)	NTA, GA:			
	GF-2.2	CARRIER	59SC5B	2.5	0.5"	1000	60/58	96.3	120/1	12.9	15	100	YES		1,2,3	18°I	F DRY BULB - PR CONDITIONS /	WINTER (ASH ARE DESIGNE	IRAE 99.6 D FOR:	6%) NDV DUUD (1					
	GF-2.3	CARRIER	59SC5B	2	0.5"	800	60/58	96	120/1	12.9	15	100	YES		1,2,3		ICE – SUMMER ICE – WINTER (ILATIONS BASED	(COOLING) (HEATING) –	- 72 F D 70°F DR` A FOUND	Y BULB / 5 Y BULB in ashraf f	ANDBOOK C	E HUMIDI	MENITALS FO		
	GF-2.4	CARRIER	59SC5B	2	0.5"	800	60/58	96	120/1	12.9	15	100	YES		1,2,3	4. SYSTE	TING AND COOL M DESIGN IS B	ING LOAD AF	PLICATION	NS S SHOWN IN ⁻	THESE CONS		N DOCUMEN	TS.	LSIDENTIAL
	GF-2.5		59SC5B	3	0.5"	1200	80/75	96.5	120/1	13.4	15	150	YES		1,2,3	ALL 5. HVAC	VENTILATION CO DESIGN AND EO	DDE REQUIRE QUIPMENT SE	MENTS AI LECTION	RE TO BE ME IS BASED ON	T UPON OC THE 2015	CUPANCY INTERNAT	HVAC DESI	GN. CODE	E, 2018
J	GF = 2.6 NOTES:		595C2B	2	0.5	800	60/58	96	120/1	12.9	15	100	YES		1,2,3		ERNATIONAL MEC	HANICAL COI)E AND 2	2018 INTERNA	TIONAL FUEL	GAS CC	DE.		
	1. PROVIE 2. PROVIE 3. PROVIE)E EVAPORATOR C)E PVC CONCENTF)E 7-DAY PROGR/	COOLING COIL TO RIC VENT TERMIN AMMABLE THERMO	MATCH EFFICIEN IAL KIT AND APP OSTAT.	NCY OF CON ROPRIATE R	DENSING UNI DOF FLASHIN	IT AND TO FIT G. KITS TO PR	FURNACE OPENII OVIDE BOTH CON	NG MBUSTION AND EX	HAUST AIR.							OUTD	oor aif	r ven	ITILATION	N RATE	CALC	CULATIC	NS	
]	USING IMC 20	015 403.3			1	1	1	1	1
				HE.	AT PU	MP CC)NDENSI	NG UNIT	SCHEDU	JLE						-	FORMULA: Vbz=	=RpPz+RaAz		UNIT	Rp (cfm/per)	Pz	Ra (cfm/sq.ft)	Az (sq.ft.)	Vbz (CFM)
	MARK	MAKE	MODEL	TONNAGE	HEATIN	G @ 47°F)OR (BTU)	COP @	47° S	SEER \	/OLT/PH		МСА	МОСР	N	OTES	Vbz – Bred Rp – Outd	othing Zone (Req'o	d air) in CFM Per Person		GF-1.1 GF-1.2	5	11	0.06	1,532 945	147 92
н	HP_1 1	CARRIER	25HCE436	3				L 12	4 SEER 2	08/230/3		11 7	20		1	Pz – Zone	Population			GF-1.3	5	13	0.06	1,846	176
	HP-1.2	CARRIER	25HCE436				3.64	L 12	4 SEER 2	208/230/3		11.7	20		1	Ra — Outd Az — Zone	oor Airflow Rate P Floor Area (sq.ft.	Per Unit Area .)		GF-1.4 GF-2.1	5	4 5	0.06	562 702	54 68
	HP-1.3	CARRIER	25HCE442	3.5	4	.2,000	3.62	2 14	4 SEER 2	208/230/1		24	40		1					GF-2.2	5	6	0.06	782	77
	HP-1.4	CARRIER	25HCE424	2	2	2,200	3.84	+ 14	4 SEER 2	208/230/1		14.2	25		1	-				GF-2.3 GF-2.4	5	8 5	0.06	1,084 746	106 70
	HP-2.1	CARRIER	25HCE430	2.5	2	8,600	3.62	2 14	4 SEER 2	208/230/1		18.3	30		1	-				GF-2.5	5	8	0.06	1,105	107
G	HP-2.2	CARRIER	25HCE430	2.5	2	8,600	3.62	2 14	4 SEER 2	208/230/1		18.3	30		1	-				GF-2.6	5	4	0.06	560	54
	HP-2.3	CARRIER	25HCE424	2	2	2,200	3.84	+ 1 ²	4 SEER 2	208/230/1		14.2	25		1			TYPICAL	AIR	DISTRIB	JTION S	SCHEI	DULE		
	HP-2.4	CARRIER	25HCE424	2	2	2,200	3.84	۲ <u>۲</u>	4 SEER 2	208/230/1		14.2	25		1			TVD				-	MODEL		
	HP-2.5	CARRIER	25HCE436	3	3	3,800	3.64	۲ <i>ـ</i> ـــــــــــــــــــــــــــــــــــ	4 SEER 2	208/230/3		11.7	20		1							-	MODEL		
	HP-2.6	CARRIER	25HCE424	2	2	2,200	3.84	L 14	4 SEER 2	208/230/1		14.2	25		1		24	1X24 SUPP 24X12 FG0	_Y LAY— CRATE	-IN RFTURN			1MS 50F		2
F	NOTES: 1. ALL UI	NITS TO BE EQUIF	PPED WITH LONG	LINE ACCESSOR	RY KIT FOR	R-410A REF	RIGERANT. SIZE	REFRIGERANT L	INES AS NECESSA	ARY PER API	PLICAT	TION GUIDEL	NE AS REC	OMMENDED	D BY	ACCESSO	RIES:								
																2. INSU	ILATED BACK ILATED BOX, F	ROUND DUG	T TRANS	SITION					
				MULTI-Z	ONE [DUCTLE	ISS HEA	AT PUMP	UNIT SC	CHEDUI	LE .														
								COOLING BT	HEATING	BTU								NEN N	DIES BASIC MAT	FRIALS AND	_				
	MARK	MAKE		MODEL	TYPE	SEER	TONNAGE	TOTAL	(47°F	- CI)	FM	VOLI/PH	MCA	MOCP	NOTES		OMPONENTS OF TH CHEDULES.	E BASIS OF D	ESIGN MO	DEL IN THE					
E	DHP-1	MITSUBISH	HI MXZ-	-3B24NA-1	3-PORT	_	2	22,000	25,000) .	_	208/1	18	20	1,2	1. EXHAUS	ST FAN APPROVED	EQUALS:							
					CEILING											GREENI 2. SPLIT-	IECK, PENNBARRY, SYSTEM UNIT APPR	, COOK, SOLAF ROVED EQUALS	AND PAL	AU					
	DAHU-1A	MITSUBISH	HI SLZ	Z-KA12NA	RECESSED	_	1	11,100	13,600) 3	90	208/1	1	-	3	3. MINI SF	R, TRANE, LENNOX PLIT—SYSTEM UNIT ISHI, LG, DAIKIN, S	APPROVED EQ SANYO, TRANE,	UALS: CARRIER						
				7 1/44 0 1 14	CEILING		1	11 100	17 600			208 /1	1		7	4. CEILING GREEN	EXHAUST FAN AF HECK, BROAN, PEN	PROVED EQUA	_S:						
	DAHU-TE	MITSUBISE	11 SL2	Z—KATZNA	RECESSED	_	I	11,100	13,600		90	2087 1		_	3	6. THERMO	NAILOR, KREUGER, DSTAT TO BE EQUA	METAL-AIRE	ELL 8000	SERIES WITH					
D	NOTES: 1. PROVIE	DE WIRED WALL M	OUNT 7-DAY PR	ROGRAMMABLE TH	IERMOSTAT.												E SENSOR CAPABIL	ITIES							
	2. INSTAL 3. INDOOF	L LINESETS VIA M R UNIT POWERED	FROM OUTDOOR	UNIT.																					
			(70NF		<u>есс пе</u>			СНЕПІ]									
				JINULL-				ντι υ υνιγ																	
	MARK	MAKE	N	NODEL	TYPE	SEER	TONNAGE	COOLING BT			FM	VOLT/PH	MCA	MOCP	NOTES										
С									(47°F)						-									
	DAHU-2	MITSUBISH	MSZ-	-FE12NA-8 /	WALL MOUNT	23	1	12,000	13,600) 4	10	208/1		_	1,2,3										
	DHP-2		MUZ	Z-FE12NA1	MOONT								12	15		-									
	1. PROVIE 2. INSTAL	DE WIRED WALL M L LINESETS VIA M	OUNT 7–DAY PR IANUFACTURER'S	ROGRAMMABLE TH	IERMOSTAT.																				
	3. INDOOF	R UNIT POWERED	FROM OUTDOOR	UNIT.																					
в																									
A																									
	1		2		3		1		E		6			7		0		0		10		11		10	

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13		14		15	
HEDULE					<u>Ses</u>
LOCATION	VOLT/PH	WEIGHT (Ibs)	QTY.	NOTES	14
RESTROOMS/JANITORS	115/1	10	6	1	
N DURING OCCUPIED HOURS					

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HILLCREST CLINIC	BLAIRSVILLE, GEORGIA 30512
MECHA SCHED NOTES	NICAL ULES &
М— З	3.2

1	1	2	3	4	5	6
					UNDERGR	ound piping
L					POLYETHYLENE (PE) F 1. PE FITTINGS: ASTM BUTT-FUSION TYP 2. PE TRANSITION FI COMPLYING WITH	PIPE: ASTM D 2513, SDR 1 A D 2683, SOCKET-FUSION E WITH DIMENSIONS MATCHI TTINGS: FACTORY-FABRICATE ASTM D 2513, SDR 11; AN
K					GRADE B. 3. ANODELESS SERVI 3.1. UNDERGROUNE SDR 11 INLET 3.2. CASING: STEEL	CE-LINE RISERS: FACTORY O PORTION: PE PIPE COMPL - - - PIPE COMPLYING WITH AS
					3.3. ABOVEGROUNE 3.4. OUTLET SHALL CONNECTION. 3.5. TRACER WIRE 3.6. ULTRAVIOLET S	, BLACK STEEL, TIPE E OK PROTECTIVE COATING COVERI PORTION: PE TRANSITION BE THREADED OR FLANGE CONNECTION. SHIELD.
J					4. TRANSITION SERVI 4.1. UNDERGROUNE SDR 11 INLET ASTM A 53/A	PIPE. CE-LINE RISERS: FACTORY O PORTION: PE PIPE COMPL CONNECTED TO STEEL PIP 53M, SCHEDULE 40, TYPE
					 4.2. OUTLET SHALL CONNECTION. 4.3. BRIDGING SLE 4.4. FACTORY-CON 4.5. TRACER WIRE 4.6. ULTRAVIOLET 	EVE OVER MECHANICAL COU NECTED ANODE. CONNECTION.
Н					4.7. STAKE SUPPO OR CARRIER F 5. PLASTIC MECHANIC PIPE, STEEL PIPE 5.1. FIBER-REINFO	RTS WITH FACTORY FINISH ⁻ PIPE. CAL COUPLINGS: CAPABLE O TO PE PIPE, OR STEEL PII RCED PLASTIC BODY. F
					5.3. BUNA-NITRILE 5.4. ACETAL COLLE 5.5. STAINLESS-ST 6. STEEL MECHANICA TO PE PIPE, STEE 6.1. STAINLESS-ST	SEALS. TS. EEL BOLTS, NUTS, AND WAS L COUPLINGS: CAPABLE OF EL PIPE TO PE PIPE, OR S FEL OR STEEL FLANGES AN
G					6.2. BUNA–NITRILE 6.3. STAINLESS–ST 6.4. FACTORY–INST UNDERGROUNE	SEALS. EEL OR STEEL BOLTS, WASI ALLED ANODE FOR STEEL—E).
				PI	PIPING S PING MATERIAL	SUPPORT SPAC Maximum horizont spacing (feet)
F					NUM PIPE AND TUBING BRASS PIPE	10
				BRASS TUE	AND SMALLER BING, 1 1/4 INCH DIAMETER AND LARGER	6
				COPPER COPPER OF	CAST-IRON PIPE OR COPPER-ALLOY PIPE R COPPER-ALLOY TUBING, 1	5 12
E				1/4 INCH COPPER O 1/2 INC	H DIAMETER AND SMALLER R COPPER-ALLOY TUBING 1 H DIAMETER AND LARGER	10
					E OR TUBING, 1 INCH AND SMALLER PEX TUBING	3 2 2/3 (32 INCHES)
D				STEEL	STEEL TUBING	8
С						
D						
D						
A						
	1	2	3	4	5	6

	7		8		9
PIPING S	PECIFICA	TION		MECH	IANICAL F
2513, SDR 11. DCKET-FUSION TYP NSIONS MATCHING DRY-FABRICATED F 5, SDR 11; AND S EK STEEL, SCHEDU ERS: FACTORY FAB E PIPE COMPLYING LYING WITH ASTM EL, TYPE E OR S, DATING COVERING.[E TRANSITION FITT ED OR FLANGED O CTORY FINISH TO 1 ERS: FACTORY FAB E PIPE COMPLYING TO STEEL PIPE C OULE 40, TYPE E O DATING FOR ABOVE ED OR FLANGED O CLE 40, TYPE E O DATING FOR ABOVE ED OR FLANGED O CCHANICAL COUPLIN DE. CTORY FINISH TO 1 COR STEEL PIPE O COR S	PE OR ASTM D 3 PE PIPE. ITTINGS WITH PE TEEL PIPE COMP LE 40, TYPE E 0 RICATED AND LEA G WITH ASTM D 2 A 53/A 53M, GRADE B, WITH ING. R SUITABLE FOR MATCH STEEL PIP RICATED AND LEA G WITH ASTM D 2 COMPLYING WITH OR S, GRADE B, EGROUND OUTLET. R SUITABLE FOR NG. MATCH STEEL PIPE OINING PE PIPE TO STEEL PIPE. NING PLAIN-END PIPE TO STEEL UBE WITH EPOXY S, AND NUTS. Y COUPLINGS INS	2261, PIPE LYING DR S, AK TESTED. 2513, WELDED PE CASING K TESTED. 2513, WITH WELDED PE CASING TO PE PE PIPE PIPE. FINISH. STALLED	GEN 1. ALL NOT FROM JOIS MECI SHAI 2. ALL INST 3. DIEL META 4. ALL NO 5. ALL 6. ALL MAY WELI 7. ALL 8. REFF 8.1. 9. CON 9.1. 10. GAS 10.1. 11. IDEN 11.1. 12. PIPE 12.1.	ERAL PIPING PIPING SHOU REST PIPING M ROOF JOIS T. PIPING SHI HANICAL CODE L BE NEAT A PIPING SHALL RUCTIONS. ECTRIC UNION ALS. STEEL PIPING LESS THAN 2 VALVES TO E SCH. 40 BLA BE THREADE DED. STAINLESS S RIGERANT PIPI SHALL BE AC SUCTION PIPIT INSULATION O OUTDOOR PIPI THAN 2 LAYE DENSATE PIPI SHALL BE AC SUCTION PIPIT INSULATION O OUTDOOR PIPI THAN 2 LAYE ON THE ROOF PIPING. IN A PLENUM SPAC INSULATION AI WITHIN A RET MANUFACTURE OF THE SYSTI PIPING MUST THAN 15°F BE 55°F. PIPING TO BE SCH. TIFICATION: PROVIDE PLAS NUMBER ON A IDENTIFICATION WITH SERVICE COLORS MATC SHOULD BE F SHOW APPROI TESTING: COPPER AND TEST. HOLD F	NOTES: NOTES:
T SPACIN horizontal	IG maximum vi	ERTICAL	12.2.	WITHOUT LOSS ONE HOUR W APPROVAL OF HYDROSTATIC PVC PIPE (NO HYDROSTATIC	S OF PRESSURE. H ITHOUT SIGNIFICAN ENGINEER, AIR TE TESTING IN FREEZ DN-DRAIN): 100 TESTS FOR A MINI
NG (FEET) 10	SPACING (15	(FEET)	10.7	LUSS OF PRE HOUR WITHOU OF ARCHITECT TESTING IN FI	SSURE. HOLD AIF IT SIGNIFICANT LOS , AIR TESTING MAY REEZING WEATHER
10 6	10 10		12.3.	A MINIMUM O REFRIGERATIOI HOLD NITROGI	AIR PIPE: 120 P F ONE HOUR WITH N/GAS COPPER PII EN TESTS FOR A N
10	10		13. RETE	LOSS OF PRE ESTING: RETE RECTION OF I	SSURE. ST PIPING FAILING DEFECTIVE WORK.
5	15		SHAL 14. MEC	L APPLY. HANICAL PIPIN LOWNER'S CO	NG CONTRACTOR TO
12	10		CON COO	TRACTOR AND	ALL OTHER TRADI
6	10				

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- 15. GAS PIPING SYSTEM IS DESIGNED FOR LOW PRESSURE (LESS THAN 2 PSIG) PROPANE 7"-11" WC . PROVIDE A GAS REGULATOR BEFORE ENTRANCE TO THE BUILDING OR AT PROPANE TANK TO REDUCE GAS
- SIZED PER 2018 IFGC 402.4. INSTALLED BY OTHERS.
 - STANDARD WEIGHT MALLEABLE IRON SCREWED (SEE NOTE 3), SCHEDULE 40 PIPE MEETING REQUIREMENTS OF ASTM A 234. 18. GAS PIPING 3"Ø AND LARGER AND ANY CONCEALED PIPING SHALL BE
 - BUTT WELDED. CONCEALED PIPING IS CONSIDERED PIPING IN A CHASE, SHAFT. SOFFIT OR RETURN AIR PLENUM. 19. GAS PIPING SYSTEM SHALL BE TESTED AS FOLLOWS: TESTS SHOULD
 - INCLUDE COMPRESSED AIR, CARBON DIOXIDE OR NITROGEN GAS. PRESSURE TESTS SHALL BE CONDUCTED ON THE DOWNSTREAM SIDE OF THE METER AFTER THE PIPING IS FULLY INSTALLED WITH TEST PORTS. THE PIPING SHALL BE PRESSURIZED TO A MINIMUM PRESSURE OF 20 PSIG AND HELD FOR A PERIOD OF NOT LESS THAN ONE(1) HOUR WITH THE COMPRESSOR DISCONNECTED. TEST EACH JOINT WITH A SOAPY WATER SOLUTION FOR LEAKS DURING PRESSURE TEST. IF ANY JOINT FAILS THE LEAK TEST THE JOINT SHALL BE CORRECTED, AND COMPLETE NEW TEST SHOULD BE MADE.
 - 20. PROVIDE DRIP LEGS WITH SCREW FIT BOTTOMS AT A MINIMUM 3" ABOVE FINISHED GRADE OR ROOF.
 - APPLIANCE OR EQUIPMENT AND AT EACH PRESSURE REGULATOR VALVE. ON LINES SERVING GAS FIRED EQUIPMENT, INSTALL GAS COCKS ADJACENT TO EQUIPMENT CABINET AND EASILY ACCESSIBLE.
 - DROP SERVING EACH GAS-FIRED EQUIPMENT UNIT. USE FITTING FOR ANY CHANGES OF DIRECTION IN PIPE AND FOR BRANCH RUNOUTS.
 - THE FOLLOWING LOCATIONS: DOWNSTREAM OF APPLIANCE SHUT-OFF VALVES. METER LOCATIONS AND IMMEDIATELY DOWNSTREAM OF THE BUILDING SHUT-OFF VALVE.
 - 24. LABEL ALL GAS PIPE AT NO MORE THAN 50' INTERVALS WITH BLACK AND YELLOW LABELS STATING "NATURAL GAS" ALONG WITH THE PRESSURE. EXAMPLE: "NATURAL GAS 5 PSIG"
 - 25. SUPPORT GAS PIPING ON ROOF (IF SHOWN) WITH GAS PIPE STANDS EQUAL TO COOPER B-LINE RUBBER BASE ROOFTOP SUPPORT. SPACE ON 10 FOOT CENTERS. SECURE PIPE WITH PIPE CLAMPS.
 - 26. ALL GAS PIPE OUTSIDE SHALL BE PAINTED WITH NO LESS THAN 2-COATS OF RUST-O-LEUM TYPE PAINT; COLOR AS APPROVED BY OWNER.
 - 27. GAS PIPE TO RUN UNDER ROOF (IF SHOWN) AND PENETRATE ROOF AT UNITS. SUPPORT GAS PIPE ON JOISTS WITH U-CLAMP OR CLEVIS HANGAR. PIPE SUPPORT ON 10 FOOT CENTERS AND EVERY CHANGE IN DIRECTION.

		HVAC	SPE
	<u>CONSTRUCTIO</u>	N NOTES:	
1.	THE CONTRAC INCLUDE ALL SYSTEM INCLU	TOR SHALL LABOR, MAT JDING ALL N	PROVIDE ERIALS, NECESSA
2.	CALLED OUT. ALL WORK SH CODES, LAWS	IALL BE PEI AND ORDIN	RFORMEE
3.	POLICE, FIRE AND PROVIDE THE CONTRAC BEFORE PURC	OR OTHER COOPERATI TOR SHALL HASING EQU	DEPARTN ON IN T VERIFY JIPMENT.
4. 5.	ENGINEER BEF INSTALL ALL E ASSUME FULL	FORE PURCH EQUIPMENT RESPONSIE	HASING E AND MA ⁻ BILITY FC
6.	THE CONTRAC	TOR SHALL	ACCEPT REQUIRE
7.	AND SPECIFIC THE DIMENSIC FIELD MEASUF	ATION SECT INS AND CO RED AND/OF	IONS. DUNTS P R TAKEN
8.	TAKE NECESS THE CONTRAC WITH ALL DET DIMENSIONS.	ARY MEASU TOR SHALL AILS OF TH CLEARANCES	SHALL REMENTS VISIT TH E WORK S AND E
9. 10.	PURCHASED V DISPOSE OF A ALL MATERIAL SHALL BE RE	VILL FIT INT ALL WASTE S SHALL BE MOVED FRO	O THE A MATERIAL E NEW, (M JOB S
11. 12.	DO NOT LOAD	STRUCTUR	ES WITH
13. 14.	CONTRACT DO THE CONTRAC	CUMENTS A T OPERATIO	ND THE SII
	BLOCKED MEA UTILITIES, EXC AND PERSONS REPLACE THE	NS OF ENT ESSIVE AND 5. REMOVE DAMAGE AT	RANCE A OFFENS SUCH CO OWN C
	DUCTWORK		
15. 16.	ALL DUCT DIN THE CONTRAC INSTALLING DU	IENSIONS S TOR SHALL JCTWORK OI	HOWN A REVIEW R EQUIP
17.	ALL DUCTWOR GAUGES TO C	OTIONS. K SHALL BI ONFORM TC	E FABRIO SMACN
18.	TYPES WILL E ALL LOW PRE WITH SPIN-IN	E NOTED O SSURE FLEX FITTINGS A	N THE F KIBLE DU ND MAN
19.	LOW PRESSUR FOLLOWS:	RE FLEX DU	CT SHAL
		0 - 100 101 - 200	0 0
20		201 – 30 301 – 50 SEALED DUC	О О т.
20	D.1. SUPPLY D DUCT INSI	UCTWORK S JLATION WIT	SHALL BE
21. 21 22.	<u>EXHAUST DUC</u> 1.1. EXHAUST <u>OUTDOOR AIR</u>	L DUCT THRO <u>DUCT</u>	UGH A (
22 23.	2.1. OUTDOOR FIBERGLAS ALL 90° ELBC	AIR DUCTW S DUCT INS WS SHALL	ORK SHA SULATION BE PROV
24. 25	ALL JOINTS A SEALER, UL L PROVIDE AIR	ND SEAMS ISTED 181A	IN ALL S OR 18 S AS REI
26.	SPIN-IN FITTI DUCTWORK. N	NGS OR STI O SCOOPS	CK ON ARE ALL
_	GENERAL HVA	<u>C NOTES:</u>	
27. 27 27	<u>CONTROLS</u> 7.1. INSTALL A 7.2. DUCT-MOI	LL ROOM TI JNTED SMO	HERMOST KE DETF
	DETECTOR THE BUILI THE DUCT	SHALL BE DING FIRE A BY THE M	WIRED 1 LARM CO ECHANIC

THE BUILDING FIRE ALARM
THE DUCT BY THE MECHA
PROVIDE A REMOTE TEST
DETECTORS WHEN A FIRE
27.3. UNLESS NOTED OTHERWISE
TRANSFORMERS, CONTROLS
SYSTEMS SHALL BE FURNI
27.4. ADDRESSABLE SMOKE DETI
INSTALLED BY MECHANICAL
27.5. ALL REQUIRED HVAC CONT
BE INCLUDED AS PART OF
28. <u>AIR_BALANCE</u>
28.1. BALANCE ALL AIR SYSTEMS
DRAWINGS OR SPECIFIED U
CONTRACTOR.
<u>FILTERS</u>
28.1. MECHANICAL CONTRACTOR
SYSTEMS AT TIME OF OWN
29. FIRE STOPPING
29.1. ALL PIPE AND DUCT PENE
FIRE-STOPPED AS REQUIR
BARRIER PRODUCTS SHALL
PANEL ES 195 WRAP/STR
FOR DARTICULAR ADDUCAT
20.2 INSTALL FIRE DAMPERS IN
ADOUTEOTUDAL DRAWINGS
ARCHITECTURAL DRAWINGS
29.3. SLEEVE ALL PVC PIPE CEI
FOR CONCENTRIC FLUE RC
30. PROVIDE PLASTIC AND PERMAN
MECHANICAL EQUIPMENT. TAG
MECHANICALLY FASTENED TO
31. MAINTAIN A MINIMUM OF 10' (
OUTLETS.
32. GAS PIPING TO BE SCH. 40.
33. PROVIDE ACCESS PANELS IN N
ADEQUATE ROOM FOR MAINTEN
DOORS IN CEILING/WALLS SHA
INSTALLED ON SUDDLY DUCT
TICHT FIT

PIPING NOTES

D FROM STRUCTURAL MEMBERS. DO OR SUSPENDED GRID. PIPING HUNG JRED AT THE TOP CHORD OF THE TED IN INTERVALS AS LISTED IN THE EVERY CHANGE IN DIRECTION. PIPING

10

- TO EQUIPMENT PER MANUFACTURER'S
- SED TO CONNECT ALL DISSIMILAR
- OUTDOORS SHALL BE PAINTED WITH -O-LEUM TYPE PAINT.
- VALVES UNLESS OTHERWISE NOTED. 2.5" NOMINAL SIZE AND SMALLER LARGER MUST BE FLANGED OR
- WELDED.
- STEMS WITH BRAZED JOINTS AND FITTINGS. JLATED WITH 34" CLOSED CELL DDE, WHICHEVER IS GREATER. ALL ON SHALL BE COATED WITH NO LESS STOMERIC COATING EQUAL TO HENRY ER PIPING SHOULD NOT BE IN DIRECT TO PREVENT WEAR FROM PIPE
- MAY BE SCH. 40 PVC. CONDENSATE NCEALED AREA OR RETURN AIR OR COPPER TYPE M WITH MEETS REQUIREMENTS FOR INSULATION PIPING SHALL BE TRAPPED PER 5 DEPENDING ON STATIC PRESSURE TO THE NEAREST DRAIN. CONDENSATE CONDENSATE TEMPERATURE IS MORE AIR TEMPERATURE OR LESS THAN
- ON STEEL. SEE GAS PIPING NOTES.
- ENT NAMEPLATES WITH THE UNIT EQUIPMENT. PROVIDE PIPE NG DIRECTION OF FLOW ARROWS AND ABELS SHALL HAVE BACKGROUND C SERVICE DESIGNATION. LABELS SIDE AND OUTSIDE OF BUILDING TO YPE AND FLOW DIRECTION.
- TER PIPING: 150 PSIG HYDROSTATIC FOR A MINIMUM OF EIGHT HOURS HOLD AIR TESTS FOR A MINIMUM OF LOSS OF PRESSURE. WITH ESTING MAY BE SUBSTITUTED FOR ING WEATHER.
- PSIG HYDROSTATIC TEST. HOLD IMUM OF EIGHT HOURS WITHOUT R TESTS FOR A MINIMUM OF ONE SS OF PRESSURE. WITH APPROVAL Y BE SUBSTITUTED FOR HYDROSTATIC OR AS REQUESTED.
- SIG AIR TEST. HOLD AIR TESTS FOR HOUT LOSS OF PRESSURE. IPE: 450 PSIG NITROGEN TEST.
- MINIMUM OF ONE HOUR WITHOUT INITIAL TESTS FOLLOWING
- REQUIREMENTS OF INITIAL TESTS
- TO WORK CLOSELY AND SEAMLESSLY TOR, OWNER'S WATER CHEMICALS DES AS IT RELATES TO THE EMS.

<u>GAS PIPING NOTES:</u>

- PRESSURE TO MANUFACTURER'S REQUIREMENTS. GAS PIPING HAS BEEN
- 16. PROPANE TANK AND UNDERGROUND PIPING TO BE DESIGNED AND
- 17. GAS PIPING AND FITTING BLACK CARBON STEEL, BUTT WELDED OR

- 21. PROVIDE CUT-OFF VALVES IN GAS PIPING AT EACH GAS CONSUMING
- 22. INSTALL 6" LONG MINIMUM DIRT LEG, WITH PIPE CAP, ON VERTICAL GAS

12

11

16

AS&S ENGINEERS

5 CHURCH ST. NE - SUITE 240

ECIFICATIONS AND NOTES

E A COMPLETE HVAC SYSTEM AS SHOWN SCHEMATICALLY TO TOOLS AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL ARY COMPONENTS CUSTOMARILY INCLUDED IF NOT SPECIFICALLY

ED IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL PROVIDE ACCESS TO OWNER'S AUTHORIZED PERSONS AND THE TMENTS HAVING LEGAL JURISDICTION TO THE SITE AT ALL TIMES THEIR WORK. ALL ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWINGS

PRESENT ANY CONFLICTS TO THE GENERAL CONTRACTOR AND FOUIPMENT.

ATERIALS PER MANUFACTURER'S RECOMMENDATIONS. OR PROTECTION AND SAFEKEEPING OF PRODUCTS AND

THE PROJECT SITE IN "AS IS" CONDITION. CONTRACTOR SHALL ED MODIFICATIONS IN ACCORDANCE WITH APPLICABLE PLANS

PROVIDED ON THE DRAWINGS AND IN THE SPECIFICATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE EXACTLY AS BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SITE, AND COUNTS PRIOR TO PROCEEDING WITH THE WORK. THE JOB SITE AND THOROUGHLY FAMILIARIZE THEMSELVES AND THE EXISTING CONDITIONS AND SHALL VERIFY EXISTING CONDITIONS AND BE ASSURED THAT THE EQUIPMENT AVAILABLE SPACE.

ALS IMMEDIATELY AND KEEP PREMISES CLEAN AT ALL TIMES. CLEAN, AND WITHOUT DEFECTS. ANY DEFECTIVE MATERIALS SITE.

WEIGHT THAT WILL ENDANGER STRUCTURE. BER SURROUNDING PREMISES WITH MATERIALS OR EQUIPMENT. TE TO AREAS PERMITTED BY LAW ORDINANCES, PERMITS,

OWNER ULD NOT CAUSE ANY HINDRANCE, NUISANCE, LACK OF SAFETY, AND EXIT, DAMAGE TO PROPERTY AND PERSON, DISRUPTION OF ISIVE NOISE AND DUST TO ANY OF THE ADJOINING PROPERTIES CONDITION FORTHWITH, SHOULD THEY OCCUR AND REPAIR OR COST TO THE APPROVAL OF THE ENGINEER.

ARE INSIDE CLEAR (UNLESS OTHERWISE NOTED). STRUCTURAL DRAWINGS BEFORE FABRICATING OR PMENT TO AVOID ANY CONFLICTS. FIELD FABRICATE DUCTWORK

ICATED OF GALVANIZED STEEL OF THICKNESS AND NA DUCT CONSTRUCTION STANDARDS. OTHER DUCT MATERIAL

PLANS DUCT SHALL BE CONNECTED TO LOW PRESSURE DUCT NUAL DAMPERS.

ALL BE A MAXIMUM OF 5 FEET LONG AND SHALL BE SIZED AS FLEXDUCT DIAMETER

E EXTERNALLY INSULATED WITH 2" THICK R-6 FIBERGLASS INUM FOIL BACKING.

CONDITIONED SPACE DOES NOT NEED TO BE INSULATED.

HALL BE EXTERNALLY INSULATED WITH 2" THICK R-6N WITH ALUMINUM FOIL BACKING.

OVIDED WITH SINGLE WALL TURNING VANES. SHEETMETAL DUCT WORK SHALL BE SEALED WITH DUCT 81B FOR TAPES AND MASTICS. DO NOT USE DUCT TAPE. EQUIRED FOR AIR BALANCING.

FITTINGS WITH DAMPERS SHALL BE APPLIED TO ALL SUPPLY LOWED IN FITTINGS.

STATS 48" AFF.

ECTORS SHALL BE PROVIDED AS SCHEDULED. EACH SMOKE TO STOP THE FAN UPON DETECTION OF SMOKE, AND SIGNAL CONTROL PANEL. THE SMOKE DETECTOR SHALL BE MOUNTED IN CAL CONTRACTOR, AND WIRED BY THE FIRE ALARM CONTRACTOR. SWITCH AT THE UNIT THERMOSTAT FOR UNITS WITH DUCT SMOKE ALARM SYSTEM IS NOT PRESENT. E; STARTERS, DUCT, NON-ADDRESSABLE SMOKE DETECTORS,

AND CONTROLLED WIRING REQUIRED FOR ALL MECHANICAL SHED AND INSTALLED BY MECHANICAL CONTRACTORS.

ECTORS SHOULD BE PROVIDED BY FIRE ALARM CONTRACTOR AND CONTRACTOR. FROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL MECHANICAL WORK.

TO PRODUCE THE VOLUMES AND QUANTITIES SHOWN ON JSING NEBB OR AABC CERTIFIED TEST AND BALANCE

TO PROVIDE (1) SET OF CLEAN NEW FILTERS FOR ALL HVAC NER TRAINING OR CO.

TRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE RED TO RESTORE ASSEMBLY TO THE ORIGINAL INTEGRITY. FIRE BE MANUFACTURED BY 3M CO.CP 25 CAULK, CS195 COMPOSITE RIP, OR PSS 7900 SERIES SYSTEM AS RECOMMENDED BY MFG. FION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE

ALL DUCTS PASSING THROUGH FIRE RATED WALLS. REFER TO FOR ALL FIRE WALLS. LING/FLOOR PENETRATIONS WITH STEEL SLEEVES AS NECESSARY

DUTING. NENT NAMEPLATES WITH THE UNIT/TAG NUMBER ON ALL

SHOULD BE IN CONTRAST TO THE BACKGROUND AND SHOULD BE THE EQUIPMENT, NOT VIA ADHESIVE ONLY. CLEARANCE BETWEEN ANY OUTDOOR AIR INTAKES AND EXHAUST

BLACK CARBON STEEL. SEE GAS PIPING NOTES. NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW NANCE OF EQUIPMENT AND BALANCING OF SYSTEM. ACCESS ALL BE A MINIMUM OF 12X12, HINGED, AND FIRE RATED TO DUCT ACCESS DOORS SHALL BE DOUBLE WALL INSULATED IF ON SUPPLY DUCT, AND PROVIDED WITH THUMB LATCHES AND GASKET WITH AIR

HILLCREST CLINIC	BLAIRSVILLE, GEORGIA 30512
MECHA SCHED NOTES	NICAL ULES &

M-3.3 DATE: 10/06/2021

\frown		ELECTRICAL ADDREVIATIONS		L GENERAL NOTES				
	CONDUIT AND WIRE. CONCEALED IN CEILING, CAVITY, OR WALL IN FINISHED AREAS. EXPOSED IN UNFINISHED AREAS.	AFF ABOVE FINISHED FLOOR TO CENTER OF DEVICE	1. ALL WORK SHALI THE NFPA 70, NA	BE IN ACCORDANCE WITH ALL BUILDI IONAL ELECTRICAL CODE (NEC) IN EF	NG CODES, REGULATIONS, ORDINANCES, LAWS, AND FECT.			
/ - \	CONDUIT AND WIRE. CONCEALED IN SLAB OR UNDERGROUND.	AFG ABOVE FINISHED GRADE TO CENTER OF DEVICE	2. ALL WORK SHALL	BE PERFORMED IN A NEAT AND FIRST	-CLASS WORKMANLIKE MANNER.			
LA-12	CIRCUIT HOMERUN TO DESIGNATED PANEL AND CIRCUIT NUMBER.	AIC AMPERE INTERRUPTING CAPACITY	3. BEFORE SUBMIT CONTRACTOR. A	ING BID, THE SITE SHALL BE VISITED A IY CONFLICTS THAT WILL PREVENT TH	AND EXISTING CONDITIONS EXAMINED BY THE HE WORK FROM BEING COMPLETED ACCORDING TO THE			A COMcheck
	SHORT TICK LINE INDICATE PHASE CONDUCTOR(S). LONG TICK LINE INDICATES NEUTRAL CONDUCTOR(S), HALF-ARROW TICK LINE INDICATES GROUND CONDUCTOR(S), ADDITIONAL	AL ALUMINUM	ABSENCE OF KN	CIFICATIONS AND DRAWINGS SHALL BE WLEDGE OF THE WORK OR SITE.	E REPORTED. NO ALLOWANCE WILL BE GRANTED FOR		٦,	
#10	GROUND CONDUCTOR (NOT SHOWN) SHALL BE PROVIDED IN PVC CONDUIT. PHASE AND NEUTRAL WIRE SIZE IS #12 UNLESS NOTED OTHERWISE AS SHOWN, GROUND AND CONDUIT	ARCH ARCHITECTURAL	4. BEFORE BEGINNI	NG WORK, SECURE ALL NECESSARY F	ERMITS OR CLEARANCES FROM THE AUTHORITIES			
	SIZED PER NEC.	BLDG BUILDING		CESSARY FOR COMPLETE ELECTRICA		_		
。 一	CONDUIT UP/DOWN.	C/L CENTERLINE	5. ALL EQUIPMENT, DEFECT, AND OP	ERATING PROPERLY PRIOR TO FINAL [RK SHALL BE THOROUGHLY TESTED, FREE FROM DELIVERY TO THE OWNER. ALL WORK SHALL BE		Proje	ect Information
Ţ	GROUND.	CATV CABLE TELEVISION	6. ELECTRICAL DRA	R ONE YEAR AFTER FINAL DELIVERY. WINGS ARE DIAGRAMMATIC, INDICATII	NG THE GENERAL ARRANGEMENT AND LOCATION OF	_	Projec	t Title:
	TELEPHONE CONDUIT HOMERUN TO TELEPHONE CABINET (IF PRESENT) OR TELEPHONE SERVICE DEMARCATION POINT.	CBB CABLE TELEVISION BACKBOARD	ELECTRICAL WOR	K ONLY. COORDINATE ACTUAL LOCAT THER TRADE'S WORK.	IONS AND DIMENSIONS OF WORK WITH ACTUAL		Projec	а туре.
F\\#\	MOTORS: FRACTIONAL HORSEPOWER OR HORSEPOWER AS SHOWN.	CKT CIRCUIT	7. COORDINATE WI	H UTILITY COMPANIES ANY RESPECTI S. AND ANY SPECIAL REQUIREMENTS	VE UTILITY WORK. COORDINATE LOCATION, (E.G. VOLTAGE, PHASE, REQUIRED CONDUIT SIZES,		Const BLA	ruction Site: IRSVILLE, GA
A	UTILITY COMPANY METER.		NUMBER OF CON	DUITS, EXTRA DISCONNECTING MEAN	S, TELEPHONE CABINET SIZE, ETC.)	_		
	DISCONNECT SWITCHES: NON-FUSED AND FUSED. DISCONNECTS ARE 30/2/NF/1/240V UNO.	COND CONDUIT	8. "UL" LABELED AN UNLESS NOTED () LISTED DEVICES SHALL BE USED WH THERWISE.	IERE REQUIRED BY CODE. DEVICES SHALL BE NEW			
	RATING.	CT CURRENT TRANSFORMER	9. COORDINATE ALI	ELECTRICAL CHARACTERISTICS OF A LIERS. (E.G. MECHANICAL, PLUMBING	LL EQUIPMENT WITH RESPECTIVE TRADES AND , FIRE PROTECTION, KITCHEN, DENTAL, MEDICAL,		Allov	ved Interior Lighting Power A
	PANELBOARD: SURFACE MOUNTED AND FLUSH MOUNTED.	CTRLS CONTROLS	ELEVATOR, OWN	R PROVIDED EQUIPMENT, ETC.)		_		Area Ca
	3/4" FIRE-RATED PLYWOOD TELEPHONE BACKBOARD WITH #6 GROUND CONDUCTOR TO	D DEDICATED	SWITCHBOARDS	SHALL BE PROVIDED. CIRCUIT IDENTIF	ICATION SHALL INCLUDE SPARES, SPACES, AND		1-Hea	Ith Care-Clinic
	BUILDING STEEL. SWITCHES 20A 120/277V WALL MOUNTED 44" AFE UNO ⁻	DN DOWN	11. ALL ELECTRICAL	JISHABLE FROM OTHERS. EQUIPMENT SHALL BE IDENTIFIED WIT	H PERMANENT LABELS. EXTERIOR LABELS SHALL BE	_		and laterian Linkting Davis
\$ \$ 2 \$ 3 \$ 4	SINGLE POLE, 2-POLE, 3-WAY, AND 4-WAY.	DWG DRAWING				_	Prop	osed interior Lighting Power
\$o \$ v \$ m \$ ĸ	SWITCHES, 20A, 120/277V, WALL MOUNTED 44" AFF UNO: OCCUPANCY SENSOR, VACANCY SENSOR, MOTOR RATED, AND KEYED.	E EXISTING DEVICE	13. ALL CONDUCTOR	S SHALL BE COPPER WITH THHN/THW	N INSULATION UNLESS OTHERWISE NOTED. MINIMUM	_		Fixture ID : Description /
ф	DIMMER SWITCH, 2000W, 120/277V, 44" AFF UNO.	F FUSED	WIRE SIZE SHALL	BE #14 AWG FOR 15A CIRCUITS IN DW HER AREAS.	ELLING UNITS ONLY. MINIMUM WIRE SIZE SHALL BE #12		<u>1-Hea</u>	alth Care-Clinic
	OCCUPANCY SENSOR, VACANCY SENSOR, DAYLIGHT SENSOR 120/277V, CEILING MOUNTED.	FA FIRE ALARM	14. PROVIDE A DEDIC	ATED NEUTRAL FOR EACH NEW CIRCU		1	2x4 2x4	LED: B: Other: Downlight: C: Other:
<u>₩</u>	DUPLEX RECEPTACLE, 15A 125V, WALL MOUNTED 18"AFF UNO.	FAAP FIRE ALARM ANNUNCIATOR PANEL	15. BRANCH CIRCUIT	NG SHALL BE THHN COPPER IN FMT R	ACEWAY UNLESS OTHERWISE NOTED.	-	4' L 2' I	ED Strip: D: Other: JC LED: F: Other:
_¥	QUADRUPLEX RECEPTACLE, 20A 125V, WALL MOUNTED 18"AFF UNO	FACP FIRE ALARM CONTROL PANEL	16. TYPE MC CABLE	AY BE USED IN LIEU OF EMT FOR BRA	NCH CIRCUITS IN WALLS AND ABOVE CEILINGS WHERE	1	4' E	ELEVATORP PIT: PIT: Other:
л Ф	SPECIAL RECEPTACLE, COORDINATE WITH EQUIPMENT, WALL MOUNTED 18"AFF UNO.	GFCI/GFI GROUND FAULT CIRCUIT INTERRUPTER	ALLOWED BY THI 17. RACEWAYS SHAI		/ER POSSIBLE.	-	Inter	ior Lighting PASSES: Design
	LOW VOLTAGE OUTLETS, WALL MOUNTED 18"AFF UNO:	GFPE GROUND FAULT PROTECTION OF EQUIPMENT	18. NUMBER OF WIR	, WIRE SIZE, AND CONDUIT SIZE MAY	NOT BE SHOWN FOR ALL CIRCUITS, ONLY SHOWN	1	Inter	ior Lighting Compliance Stat
		H HOSPITAL GRADE DEVICE	19. PROVIDE AN ADD	TIONAL EQUIPMENT GROUNDING CON	IDUCTOR WHEN PVC CONDUIT IS USED.	-	<i>Comp</i> speci	bliance Statement: The proposed if fications, and other calculations su
<u></u>		HOA HAND-OFF-AUTOMATIC	20. PROVIDE EXPANS	ION JOINTS IN ALL RACEWAYS/CONDU	ITS AT LOCATIONS WHERE RACEWAYS/CONDUITS	1	desig mand	ned to meet the 90.1 (2013) Stand latory requirements listed in the Ir
<u> </u>		HP HORSEPOWER	CROSS BUILDING 1/4" INCH OR GRE	EXPANSION JOINTS. PROVIDE EXPAN	SION JOINTS WHERE EXPANSION IS ANTICIPATED TO BE		Name	TIMOTHY S. LEE, P.E.
<u> </u>	DUPLEX RECEPTACI E: 15A 125V CEILING MOUNTED	HS HALF SWITCHED	21. ALL CONDUCTOF	S SHALL BE SIZED TO MEET THE VOLT	AGE DROP REQUIREMENTS OF THE NEC AND ENERGY		INDITIE	
•	DEDICATED DUPLEX RECEPTACLE, 20A 125V, CEILING MOUNTED.	IG ISOLATED GROUND	22. PROVIDE FIRE ST	OPPING AT ALL PENETRATIONS THRO	JGH RATED WALLS, FLOORS, AND CEILINGS TO	1		
#	QUADRUPLEX RECEPTACLE, 15A 125V, CEILING MOUNTED.	KW KILOVOL I-AMPERE	23. ALL BACK-TO-BA	CHING. CK ELECTRICAL BOXES IN FIRE RATED	WALLS SHALL HAVE A MINIMUM HORIZONTAL	-		
٥	SPECIAL RECEPTACLE, COORDINATE WITH EQUIPMENT, CEILING MOUNTED.	MCB MAIN CIRCUIT BREAKER	SEPARATION OF OF SEPARATION	24". UL LISTED WALL OPENING PROTEC REQUIREMENTS.	CTIVE MATERIALS (PUTTY PADS) MAY BE USED IN LIEU			
$\nabla \blacksquare \blacksquare$	LOW VOLTAGE OUTLETS, CEILING MOUNTED: DATA, TELEPHONE, AND COMBINATION TELEPHONE/DATA OUTLET.	MECH MECHANICAL	24. ALL CEILING MOL	NTED LIGHTING FIXTURES SHALL BE I	NDIVIDUALLY SUPPORTED FROM THE STRUCTURAL	1		
0	POWER JUNCTION BOX, CEILING MOUNTED.		25. DRY-TYPE TRANS	FORMERS SHALL BE RATED WITH CLA	SS 155 OR HIGHER INSULATION SYSTEMS AND	\dashv		
J	LOW VOLTAGE JUNCTION BOX, CEILING MOUNTED.	MTR MOTOR	26. ALL WEATHERD		YENINGS. EXTRA DUTY TYPF	-	Projec Data 1	filename: \\amy\Work Red\TLENG
	DUPLEX RECEPTACLE IN FLUSH FLOOR BOX, 15A 125V.	N NEW DEVICE	27. VERIFY ALL DEVI	CE COLOR/FINISH WITH ARCHITECT, IN	TERIOR DESIGNER, OR OWNER. UNLESS OTHERWISE	-		
	DEDIGATED DUPLEX RECEPTACLE IN FLUSH FLOOR BOX, 20A 125V.	NEC NATIONAL ELECTRICAL CODE			E DEVICES IN COLOR: WHITE.	-		
	SPECIAL RECEPTACE IN FLUSH FLOOP BOX, COOPDINATE WITH FOUR MENT	NF NONFUSED		ROL PANELS, METER SOCKET ENCLO	SURES, AND MOTOR CONTROL CENTERS) SHALL BE			
	FLUSH FLOOR BOXES:	NRC NEAREST RECEPTACLE CIRCUIT		DN-DWELLING UNIT SERVICE EQUIPME	ENT RATED 1200 AMPS OR MORE SHALL HAVE A			
	DATA, TELEPHONE, AND COMBINATION TELEPHONE/DATA OUTLET.	NTS NOT TO SCALE		IRRENT PROTECTIVE DEVICES, AND 3	CLEARING TIME OF SERVICE OVERCURRENT CURRENT AT THE SERVICE FOUNDMENT			
		PIV POST INDICATOR VALVE						
		RTU ROOFTOP UNIT	1					
	TV JUNCTION BOX. FLOOR MOUNTED.							
	TV JUNCTION BOX, FLOOR MOUNTED. 2-CHANNEL POWER AND TELE/DATA POWER POLE.	SPD SURGE PROTECTION DEVICE		IXTURE SCHEDULE				1
	TV JUNCTION BOX, FLOOR MOUNTED. 2-CHANNEL POWER AND TELE/DATA POWER POLE. SECURITY CAMERA.	SPD SURGE PROTECTION DEVICE TBB TELEPHONE BACKBOARD	LIGHT F	IXTURE SCHEDULE		LAMPING	WATTS/VOLTS	
	TV JUNCTION BOX, FLOOR MOUNTED. 2-CHANNEL POWER AND TELE/DATA POWER POLE. SECURITY CAMERA. POWER PLUGMOLD. 2-CHANNEL IF TELE/DATA IS REQUIRED.	SPDSURGE PROTECTION DEVICETBBTELEPHONE BACKBOARDTELETELEPHONETLTWISTLOCK	LIGHT F DESIGNATION	IXTURE SCHEDULE DESCRIPTION 2'X4' RECESSED LAY-IN LIGHT FIXTUR	E	LAMPING	WATTS/VOLTS 50W 1201/ 2771/	
□ □ □ § § \$ \$	TV JUNCTION BOX, FLOOR MOUNTED. 2-CHANNEL POWER AND TELE/DATA POWER POLE. SECURITY CAMERA. POWER PLUGMOLD. 2-CHANNEL IF TELE/DATA IS REQUIRED. SPEAKERS: WALL MOUNTED AND CEILING MOUNETD.	SPDSURGE PROTECTION DEVICETBBTELEPHONE BACKBOARDTELETELEPHONETLTWISTLOCKTRTAMPER-RESISTANT	LIGHT F	IXTURE SCHEDULE DESCRIPTION 2'x4' RECESSED LAY-IN LIGHT FIXTUR	RE		WATTS/VOLTS 50W 120V-277V 40W	
□ □ □ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	TV JUNCTION BOX, FLOOR MOUNTED. 2-CHANNEL POWER AND TELE/DATA POWER POLE. SECURITY CAMERA. POWER PLUGMOLD. 2-CHANNEL IF TELE/DATA IS REQUIRED. SPEAKERS: WALL MOUNTED AND CEILING MOUNETD. CARD READER, WALL MOUNTED 44"AFF UNO.	SPDSURGE PROTECTION DEVICETBBTELEPHONE BACKBOARDTELETELEPHONETLTWISTLOCKTRTAMPER-RESISTANTUHUNIT HEATER	LIGHT F DESIGNATION A B	IXTURE SCHEDULE DESCRIPTION 2'x4' RECESSED LAY-IN LIGHT FIXTUF 2'x2' RECESSED LAY-IN LIGHT FIXTUF	RE	LAMPING LED LED	WATTS/VOLTS 50W 120V-277V 40W 120V-277V 25W	
□ □ □ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	TV JUNCTION BOX, FLOOR MOUNTED. 2-CHANNEL POWER AND TELE/DATA POWER POLE. SECURITY CAMERA. POWER PLUGMOLD. 2-CHANNEL IF TELE/DATA IS REQUIRED. SPEAKERS: WALL MOUNTED AND CEILING MOUNETD. CARD READER, WALL MOUNTED 44"AFF UNO. DOOR MAGLOCK. PROVIDE 120V POWER AS NECESSARY. CONNECT TO NEAREST RECEPTACLE CIRCUIT.	SPDSURGE PROTECTION DEVICETBBTELEPHONE BACKBOARDTELETELEPHONETLTWISTLOCKTRTAMPER-RESISTANTUHUNIT HEATERUNOUNLESS NOTED OTHERWISE	LIGHT F DESIGNATION A B C	IXTURE SCHEDULE DESCRIPTION 2'x4' RECESSED LAY-IN LIGHT FIXTUF 2'x2' RECESSED LAY-IN LIGHT FIXTUF 6" DOWNLIGHT, RECESSED	RE	LAMPING LED LED LED	WATTS/VOLTS 50W 120V-277V 40W 120V-277V 25W 120V-277V	
■ ■ ■ © © © ¶ ■	TV JUNCTION BOX, FLOOR MOUNTED.2-CHANNEL POWER AND TELE/DATA POWER POLE.SECURITY CAMERA.POWER PLUGMOLD. 2-CHANNEL IF TELE/DATA IS REQUIRED.SPEAKERS: WALL MOUNTED AND CEILING MOUNETD.CARD READER, WALL MOUNTED 44"AFF UNO.DOOR MAGLOCK. PROVIDE 120V POWER AS NECESSARY. CONNECT TO NEAREST RECEPTACLE CIRCUIT.PUSH BUTTON, WALL MOUNTED 44"AFF UNO.	SPDSURGE PROTECTION DEVICETBBTELEPHONE BACKBOARDTELETELEPHONETLTWISTLOCKTRTAMPER-RESISTANTUHUNIT HEATERUNOUNLESS NOTED OTHERWISEWHWATER HEATERWPWEATHERPROOF	LIGHT F DESIGNATION A B C D	IXTURE SCHEDULE DESCRIPTION 2'x4' RECESSED LAY-IN LIGHT FIXTUF 2'x2' RECESSED LAY-IN LIGHT FIXTUF 6" DOWNLIGHT, RECESSED 4' STRIP	E	LAMPING LED LED LED	WATTS/VOLTS 50W 120V-277V 40W 120V-277V 25W 120V-277V 40W 120V-277V 40W	
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	TV JUNCTION BOX, FLOOR MOUNTED. 2-CHANNEL POWER AND TELE/DATA POWER POLE. SECURITY CAMERA. POWER PLUGMOLD. 2-CHANNEL IF TELE/DATA IS REQUIRED. SPEAKERS: WALL MOUNTED AND CEILING MOUNETD. CARD READER, WALL MOUNTED 44"AFF UNO. DOOR MAGLOCK. PROVIDE 120V POWER AS NECESSARY. CONNECT TO NEAREST RECEPTACLE CIRCUIT. PUSH BUTTON, WALL MOUNTED 44"AFF UNO. DOORBELL, WALL MOUNTED 44"AFF UNO. DOORBELL, WALL MOUNTED 44"AFF UNO. DOORBELL, WALL MOUNTED 44"AFF UNO AND DOORBELL CHIME, WALL MOUNTED 80"AFF UNO. X-RAY OUTLET. SEE X-RAY MANUFACTURER'S TEMPLATE. PAN X-RAY OUTLET. SEE X-RAY MANUFACTURER'S TEMPLATE. CONTROL PANEL. PROVIDE 2 GANG BOX FOR RAMVAC EQUIPMENT. INSTALL WIRING TO EQUIPMENT ROOM PER MANUFACTURER'S SPECIFICATIONS. PROVIDE THREE STRANDED #18 WRES FROM EACH SWITCH TO EACH PIECE OF EQUIPMENT, FOR A TOTAL OF FOUR RUNS FROM MASTER CONTROL TO THE EQUIPMENT ROOM. WALL MOUNTED N20 AND 02 SECURITY SYSTEM. CABLE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICIAN. N20 AND 02 ALARM MANIFOLD. NURSE CALL BUTTON. PULL CORD SHALL BE PERMITTED IN INPATIENT TOILET, BATH, SHOWER. NURSE CALL STATION. CODE BLUE BUTTON. FIRE ALARM PULL STATION, 44" AFF UNO AND HORN/STROBE, 80" AFF MIN., 96" AFF MAX. FIRE ALARM PULL STATION, 44" AFF UNO AND HORN/STROBE, 80" AFF MIN., 96" AFF MAX. FIRE ALARM HORN, 80" AFF MIN., 96" AFF MAX. FIRE ALARM STROBE, 80" AFF MIN., 96" AFF MAX. FIRE ALARM HORN, 80" AFF MIN., 96" AFF MAX. FIRE ALARM HORN, 80" AFF MIN., 96" AFF MAX. FIRE ALARM STROBE, 80" AFF MIN., 96" AFF MAX. FIRE ALARM STROBE, 80" AFF MIN., 96" AFF MAX. FIRE ALARM HORN, 80" AFF MIN., 96" AFF MAX. FIRE ALARM STROBE, 80" AFF MIN., 96" AFF MAX.	SPD SURGE PROTECTION DEVICE TBB TELEPHONE BACKBOARD TELE TELEPHONE TL TWISTLOCK TR TAMPER-RESISTANT UH UNIT HEATER UNO UNLESS NOTED OTHERWISE WH WATER HEATER WP WEATHERPROOF FIRE ALARM PERMIT DRAWINGS SHALL BE ENGINEERED AND PROVIDED BY THE FIRE ALARM SUBCONTRACTOR AS REQUIRED BY CODE. THE DEVICES AND LOCATIONS ON THE FIRE ALARM NUNGS SHALL TAKE PRECEDENCE OVER FIRE ALARM DEVICES AND LOCATIONS SHOWN ON THE ELECTRICAL DRAWINGS.	LIGHT F DESIGNATION A B C D F PIT XC XE XW OA OB NOTES: 1. COORDINAT 2. PROVIDE AL 3. LIGHT FIXTU 4. LIGHT FIXTURI	IXTURE SCHEDULE	E	LAMPING LED LED LED LED LED LED LED LED LED LED	WATTS/VOLTS 50W 120V-277V 40W 120V-277V 25W 120V-277V 40W 120V-277V 40W 120V-277V 40W 120V-277V 5W 120V-277V 25W 120V-277V	
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MECHANICAL EQUIPMENT SCHEDULE					
			DISCONNECT/		
EQUIPMENT	CIRCUIT	FEEDER	DISCONNECT MEANS	NOTES	
GF-1.1	LA-30	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-1.2	LA-32	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-1.3	LA-34	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-1.4	LA-36	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-2.1	LB-18	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-2.2	LB-20	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-2.3	LB-22	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-2.4	LB-24	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-2.5	LC-10	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
GF-2.6	LC-12	2#12 + 1#12G - 1/2"C.	MTR RTD SWITCH	1	
HP-1.1	LA-2	3#12 + 1#12G - 1/2"C.	30/3/F20A/3R/240V	1	
HP-1.2	LA-8	3#12 + 1#12G - 1/2"C.	30/3/F20A/3R/240V	1	
HP-1.3	LA-14	2#8 + 1#10G - 1/2"C.	60/2/F40A/3R/240V	1	
HP-1.4	LA-18	2#10 + 1#10G - 1/2"C.	30/2/F25A/3R/240V	1	
HP-2.1	LB-2	2#10 + 1#10G - 1/2"C.	30/2/F30A/3R/240V	1	
HP-2.2	LB-6	2#10 + 1#10G - 1/2"C.	30/2/F30A/3R/240V	1	
HP-2.3	LB-10	2#10 + 1#10G - 1/2"C.	30/2/F25A/3R/240V	1	
HP-2.4	LB-14	2#10 + 1#10G - 1/2"C.	30/2/F25A/3R/240V	1	
HP-2.5	LC-2	3#12 + 1#12G - 1/2"C.	30/3/F20A/3R/240V	1	
HP-2.6	LC-6	2#10 + 1#10G - 1/2"C.	30/2/F25A/3R/240V	1	
DHP-1	LA-22	3#12 + 1#12G - 1/2"C.	30/2/F20A/3R/240V	1,2	
DAHU-1A	LA-22	3#12 + 1#12G - 1/2"C.	30/2/240V	1,2	
DAHU-1B	LA-22	3#12 + 1#12G - 1/2"C.	30/2/240V	1,2	
DAHU-2	HP-10	3#12 + 1#12G - 1/2"C.	30/2/240V	1,2	
DHP-2	HP-10	3#12 + 1#12G - 1/2"C.	30/2/F15A/3R/240V	1,2	
SEE DRAWING	S FOR ADD	ITIONAL ITEM (FRACTIONAL	MOTORS, WALL HEATERS,	ETC).	
NOTES:					
1. COORDINAT	E LOCATION	AND INSTALLATION REQUI	REMENTS OF EQUIPMENT P	RIOR TO	
ROUGH IN.					
2. INDOOR UNI	T FED BY O	UTDOOR UNIT POWER SUPP	PLY. PROVIDE CONTROL WI	RE AS	
REQUIRED.					

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ARCHITECTS & ENGINEERS

DATE: 10/06/21

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1 2	3	4 5 6		7 8	9 10	11	12	13 14	15
		3Ø PANELBOARD - LC			30 PANELBOARD - LA			30 PANELBOARD - HA	
	MAIN: 100A MLO FED BY: DC	SERVICE: 208Y/120V, 3P, 4W MOUNTING: SURFACE ENCLOSURE MIN. BREAKER A.I.C.: 10000		FED BY: DA FED BY: DA CIRCUIT DESCRIPTION	R A.I.C.: 10000		FED BY: T1 MIN. BREA CKT AMP/	KER A.I.C.: 22000	
	# POLE CIF 1 20/1 LIGHTING	CONNECTED LOAD CIRCUIT DESCRIPTION KVA PH KVA 0.99 A 1.90 HP-2.5	POLE # 20/2 2	# POLE Oncontribution 1 20/1 LIGHTING 3 20/1 LIGHTING	KVA PH KVA 1.19 A 1.41 1.66 B 1.41	POLE # 2 20/3 4	# POLE	KVA PH KVA Oricon DEx 8.31 A 31.18 MRI	
	3 20/1 LIGHTING 5 20/1 TBB 7 20/1 RECEPTS	B 1.19 B 1.90 0.50 C 1.90 HP-2.6 6 1.26 A 1.90	25/2 6 8	5 20/1 LIGHTING 7 20/1 TBB	1.64 C 1.41 0.50 A 1.41	6 8	5 7	8.31 C 31.18 A 18.01	
	9 20/1 RECEPTS 11 20/1* FRIDGE	S 1.26 B 1.61 GF-2.5 1.00 C 1.55 GF-2.6	15/1 10 15/1 12	9 20/1 RECEPTS 11 20/1 RECEPTS 13 20/1 RECEPTS	1.08 B 1.41 HP-1.2 1.08 C 1.41 1.08 A 2.50 UP 4.0	20/3 10 12 12	9 11 13	C 18.01 X-RAY	1
	13 20/1 RECEPT I 15 20/1 RECEPT I 17 20/1 RECEPTS	BREAK 1.00 A 0.63 WH-3, RECIRC BREAK 1.00 B B B S 0.90 C C C	<u> </u>	15 20/1 RECEPTS 3 17 20/1 RECEPTS 4 10 20/1 RECEPTS	1.26 B 2.50 HP-1.3 1.26 C 1.48 HP-1.4	40/2 16 25/2 18	15 17	B C	
	19 20/1 RECEPTS 21 20/1 RECEPTS 22 20/1 RECEPTS	6 1.08 A 6 1.08 B 0 0.00 C	20	19 20/1 RECEPTS 2 21 20/1 RECEPTS 2 23 20/1 RECEPTS	1.08 A 1.48 0.90 B 1.87 1.26 C 1.87 DHP-1, DAHU-1/	A, DAHU-1B 20/2 22 24	19 21 23	B SPD	
	23 20/1 RECEPTS 25 20/1 RECEPTS 27 20/1 SPARE	0.90 C S 1.08 A B B B	24 26 28	+ 25 20/1* FRIDGE 2 27 20/1 RECEPT BREAK 8 20 20/1 RECEPT BREAK	1.00 A 1.00 B	26 28	LIGHTING: RECEPTAG A/C: HEATING: MISS NON CONT.: 172.51	DLES: 1Ø MOTORS: WATER HEATER:	3Ø MOTORS: MISC CONT.:
	29 20/1 SPARE 31 20/1 SPARE 32 20/1 SPARE		30	29 20/1 RECEPT BREAK 2 31 20/1 RECEPTS 33 20/1 RECEPTS	1.00 C 1.61 GF-1.1 1.08 A 1.61 GF-1.2 1.08 B 2.00 GF-1.3	15/1 30 15/1 32 20/1 34	TOTAL CONNECTED LOAD (A: 57.50, B: 57.5 TOTAL CONNECTED AMPS (A: 207.60, B: 20	0, C: 57.50): 172.51 KVA TOTAL DEMAND L 7.60, C: 207.60): 207.50 A TOTAL DEMAND A	OAD: 172.51 KVA
	35 37 37		36 38	35 20/1 RECEPTS 37 20/1 RECEPTS 30 20/1 RECEPTS	1.08 C 1.55 GF-1.4 0.72 A	15/1 36 38	NOTES: *SERVICE ENTRANCE RATED.		
	39 41 LIGHTING: 1.73	B SPD C C RECEPTACLES: 7.56 1Ø MOTORS: 0.60 3Ø MOTORS	30/3 40) 33 20/1 RECEPTS 2 41 20/1 ULTRASOUND 43 20/1 RECEPTS	1.00 C 1.08 A	40 42 44		30 PANEL BOARD - HP	
	A/C: 10.77 MISC NON-CONT.: 3.00	HEATING: WATER HEATER: 0.48 MISC CONT. KITCHEN: DWELLING: GUEST:	0.50	45 20/1 RECEPTS 47 20/1 WH-1, RECIRC 49 20/1 WH-2 RECIRC	1.08 B 0.63 C 0.63 A	46 48 50	MAIN: 200A MCB SERVICE: FED BY: WW MIN. BREA	208Y/120V, 3P, 4W MOUNTING: SURFACE KER A.I.C.: 35000	ENCLOSURE: NEMA
	TOTAL CONNECTED LOAL TOTAL CONNECTED AMPS NOTES:	S (A: 82.05, B: 66.97, C: 56.26): 68.38 A TOTAL DEMAND AMPS: 70.23 A	<u>A</u>	- 51 20/1 WARNING LIGHT CONTROLLER 53 20/1 WARNING LIGHT CONTROLLER	R 0.50 B R 0.50 C	52 54	CKT AMP/ # POLE CIRCUIT DESCRIPTIO	N CONNECTED LOAD CIRCUIT DE:	SCRIPTION F
	*PROVIDE GFI CB. CKT #:	: 11		55 20/1 SPARE 57 20/1 SPARE 59 20/1 SPARE	A B C	56 58 60	3 20/1 LIGHTING ECEDET 5 20/1 LIGHTING EXTERIOR	0.06 B 8.98 ELEVATOR 0.25 C 8.98	2
		30 FALLET ANALYSIS		61 20/1 SPARE 63 20/1 SPARE	A B	62 64	7 20/1 RECEPTS EXTERIOR 9 20/1* FACP 11 20/1 RECEPTS	0.36 A *SHUNT TRIP* 0.50 B 1.25 DAHU-2, DHP-2	V
POINT A: SWITCHBOARD WW		POINT A: UTILITY CO. PAD MOUNTED TRANSFORMER T1		65 67 69	A B SPD	66 68 30/3 70	13 20/1 RECEPT MACHINE ROOM 15 20/1 ELEVATOR PIT	0.18 A 0.24 B	
A TO B DISTANCE (FT): 3 ISCa (AMPS): 31900		A TO B DISTANCE (FT): 50 ISCa (AMPS): 20047		71 LIGHTING: 4.33 AIG: 20.20	ES: 16.02 1Ø MOTORS: 0.45	3Ø MOTORS:	17 20/1 SUMP PUMP 19 20/1* ELEVATOR CAB 21 20/1 SPARE	0.15 C	
# OF SETS: 1 C VALUE: 12862		# OF SETS: 1 C VALUE: 16813 VOLTAGE L-L: 480		MISC NON-CONT.: 5.00 KITCHEN: TOTAL CONNECTED LOAD (A: 16.75, B: 18.64,	DWELLING: C: 18.76): 54.14 KVA TOTAL DEMAND	GUEST: D LOAD: 52.41 KVA	23 20/1 SPARE LIGHTING: 1.06 RECEPTAG	C C C C C C C C C C C C C C C C C C C	3Ø MOTORS: 26.95
$f=(\sqrt{3} \text{ x DISTANCE x ISCa})/(C VALUE x # of SETS x VOLTAGE L-L)$ f=(1.732 x 3 x 31900)/12862 x 1 x 208) = 0.0620)	f=(√3 x DISTANCE x ISCa)/(C VALUE x # of SETS x VOLTAGE L-L) f=(1.732 x 50 x 20047)/16813 x 1 x 480) = 0.2151		TOTAL CONNECTED AMPS (A: 139.55, B: 155.3 NOTES:	1, C: 156.33): 150.29 A TOTAL DEMAND) AMPS: 145.49 A	A/C: 2.50 HEATING: MISC NON-CONT.: KITCHEN: TOTAL CONNECTED LOAD (A: 10.18, B: 11.0	WATER HEATER: DWELLING: 03. C: 11.17): 32.38 KVA	
M=1/(1+f)= 0.94 ISCb= ISCa x M= 30039		M=1/(1+f)= 0.82 ISCb= ISCa x M= 16498					TOTAL CONNECTED AMPS (A: 84.86, B: 91.8 NOTES:	8, C: 93.09): 89.87 A TOTAL DEMAND A	MPS: 109.65 A
				MAIN: 200A MLO SERVICE: 20 FED BY: DB MIN. BREAK	BY/120V, 3P, 4W MOUNTING: SURFACE	ENCLOSURE: NEMA 1	*PROVIDE LOCK ON DEVICE. CKT #: 9,19 *PROVIDE SHUNT TRIP CB. TRIP VIA ELEVA	TOR CTRLS. CKT #: 2	
		30 EALII T ANAL VSIS		CKT AMP/ # POLE CIRCUIT DESCRIPTION	CONNECTED LOAD KVA PH KVA CIRCUIT	DESCRIPTION AMP/ CKT POLE #		N	
POINT A: SWITCHBOARD WW		POINT A: SWITCHBOARD WW		1 20/1 LIGHTING 3 20/1 LIGHTING 5 20/1 LIGHTING	1.26 A 1.90 HP-2.1 0.60 B 1.90 HP-2.2 1.20 C 1.90 HP-2.2	30/2 <u>2</u> 30/2 <u>4</u>		LIGHTI	LOAD TYPE L
A TO B DISTANCE (FT): 3 ISCa (AMPS): 31900		A TO B DISTANCE (FT): 3 ISCa (AMPS): 31900		7 20/1 TBB 9 20/1 RECEPTS 11 20/1* FPIDCE	0.50 A 1.90 HP-2.2 0.72 B 1.48 HP-2.3	25/2 8 25/2 10	-	RECEPT 1Ø MOT	TACLES TORS
# OF SETS: 1 C VALUE: 4678		# OF SETS: 1 C VALUE: 12862		13 20/1 PRIDGE 13 20/1 RECEPT BREAK 15 20/1 RECEPT BREAK	1.00 A 1.48 1.00 B 1.48 HP-2.4	25/2 12 16		A/C HEATIN	NG
$f=(\sqrt{3 \times DISTANCE \times ISCa})/(C \ VALUE \times \# \text{ of SETS } \times \text{VOLTAGE L-L})$ $f=(1.732 \times 3 \times 31900)/4678 \times 1 \times 208) = 0.1704$		f=(\dl x DISTANCE x ISCa)/(C VALUE x # of SETS x VOLTAGE L-L) f=(1.732 x 3 x 31900)/12862 x 1 x 208) = 0.0620		17 20/1 RECEPTS 19 20/1 RECEPTS 21 20/1 RECEPTS	1.08 C 1.55 GF-2.1 1.08 A 1.55 GF-2.2 1.26 B 1.55 GF-2.3	15/1 18 15/1 20 15/1 22	-	WATER MISC C	≷ HEATER >ONTINUOUS YONLCONTINUOUS
M=1/(1+f)= 0.85 ISCb= ISCa x M= 27257		M=1/(1+f)= 0.94 ISCb= ISCa x M= 30039 LET-THRU CURRENT OF 200A RK1 FUSE AT 35000A =6000		23 20/1 RECEPTS 25 20/1 RECEPTS	1.20 D 1.60 GF-2.0 1.08 C 1.55 GF-2.4 1.08 A 0.63 WH-5, RECIRC	10/1 22 15/1 24 20/1 26		KITCHE	EN LING
				27 20/1 RECEPTS 29 20/1 RECEPTS 31 20/1 RECEPTS	0.90 B 0.63 WH-4, RECIRC 0.90 C 1.08 A	20/1 28 30 32		GUEST	LOAD
				33 20/1 RECEPTS 35 20/1 RECEPTS 37 20/1 SPAPE	1.08 B 0.90 C	34 36		\bigwedge	
				37 20/1 SPARE 39 20/1 SPARE 41 20/1 SPARE	B SPD	30/3 40 42			
				LIGHTING: 2.75 RECEPTACL A/C: 19.71 HEATING: MISC NON-CONT : 3.00 KITCHEN:	ES: 11.16 1Ø MOTORS: 0.60 WATER HEATER: 0.96	3Ø MOTORS: MISC CONT.: 0.50			
				TOTAL CONNECTED LOAD (A: 13.46, B: 12.59, TOTAL CONNECTED AMPS (A: 112.18, B: 104.4	C: 12.63): 38.68 KVA TOTAL DEMANE 92, C: 105.26): 107.37 A TOTAL DEMANE	D LOAD: 38.99 KVA D AMPS: 108.22 A			LC
				NOTES: *PROVIDE GFI CB. CKT #: 11			-		100A MLO 208Y/120V
		BUILDING.							50, 400
		#3/0							SPD
								4#3 + 1#8G - 1 1/4"C.	
		#3/0 BOND ALL SERVICE ENTRANCE CONDUITS PER NEC 250.66 AND					100/3/F100A/3R 240V	2ND FL(.00R 4#250(AL)
	TWO 3/ GROUND ROE	/4"x10' DS, 10' PART.						200/3/F200A/3R 240V	- 4#250(AL) + 1#4(AL)
						24.	FACED NORTH.		
	U.L. APPROVED	JUMPER				<u>HA</u> 250A MCB 480X/277// LIGH	TIMECLOCK. 4 POLE EXTERIOR TING CONTACTOR.		3/F200A/3R V 200
	CLAMPS, TYPICAL OF 3.	WATER WATER			TIFY UTILITY COMPANY AT LOAD INCLUDES CT ANNER SENSITIVE TO	3Ø, 4W	NEMA 3R		3
		METER LEAST 2" AND BE IN DIRECT CONTACT WITH THE EARTH (NO INSULATION, VAPOR BARRIERS, FILMS OR SIMILAR ITEMS SEPARATING THE CONCRETE FROM THE EARTH.)		VOI	TAGE TRANSIENTS.	NEMA 3R S.E. RATED SPD	4#3 + 1#8G - 1 1/4"C.	4#250(AL) + 1#	<i>‡</i> 2(AL)G - 2 1/2"C.
		2 SERVICE GROUNDING DETAIL		UTILITY COMPANY MOUNTED TRANSFORMEF	PAD UTILITY COMPANY PAD MOUNTED TRANSFORMER				
		E-3.2 SCALE: NTS		480Y/277V 3Ø, 4W	3Ø, 4W			OUND, SEE EXTERIOR 1ST FL	OOR
								DING DETAIL.	
						4#350(AL) - 3"C.	~2 SETS OF 4#500(AL) - 3"C. + (1)3"C. SP.		
							(E-3.2 SCALE: NTS	
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ENGINEERING 5842 Norfolk Chase Rd. Peachtree Corners, GA 30092 Ph. 678-439-8664 tim.lee@tlengineer.com JOB #21182

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DATE: 10/06/21

CSC DESIGN,

INC.

 $\underline{\text{ARCHITECTS}}$ & <u>ENGINEERS</u>

135 P. Rickman Industrial Dr.

Suite 100, Canton, GA 30115 (770) 345-2579

3Ø F	PANE	LBC	DARD	- HP			
SERVICE: 208Y/120	OV, 3P, 4	W	MOUNTI	NG: SURFACE	ENCLOSURE: NE	MA 3R	
IN. BREAKER A.I.	C.: 3500	0					
SCRIPTION	CONNE	ECTE	d load		SCRIPTION	AMP/	CKT
SCRIPTION	KVA	PH	KVA		SCRIPTION	POLE	#
	0.66	А	8.98				2
CHRM	0.06	В	8.98	ELEVATOR		200/3*	4
OR	0.25	С	8.98				6
OR	0.36	Α		*SHUNT TRIP*			8
	0.50	В	1.25			15/2	10
	0.54	С	1.25	DANU-2, DHF-2		10/2	12
EROOM	0.18	Α					14
	0.24	B					16
	0.15	С					18
		A					20
		В					22
		С			-		24
RECEPTACLES: 1.2	23	2	1Ø MOT	ORS: 0.15	3Ø MOTORS: 26.	95	30
EATING:			WATER	HEATER:	MISC CONT .: 0.5	0	
KITCHEN:			DWELLI	NG:	GUEST:		
18, B: 11.03, C: 11.	17): 32.3	38 KV	Ά	TOTAL DEMAND L	OAD: 39.50 KVA		
86, B: 91.88, C: 93.	.09): 89.8	87 A		TOTAL DEMAND A	MPS: 109.65 A		

NEW LOAD STUDY					
LOAD TYPE	LOAD (KVA)				
LIGHTING	9.86				
RECEPTACLES	35.97				
1Ø MOTORS	1.80				
3Ø MOTORS	26.95				
A/C	59.86				
HEATING	0.00				
WATER HEATER	2.40				
MISC CONTINUOUS	2.00				
MISC NON-CONTINUOUS	183.51				
KITCHEN	0.00				
DWELLING	0.00				
GUEST	0.00				
TOTAL LOAD	322.35				

KS

LS/KS

CSC DESIGN,

INC.

EGISTERA

No: <u>PE038561</u>

10/06/21

CLINIC

HILLCREST

0512

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LS/KS

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				S&S ENGINEERS PROFESSIONAL CONSULTING BNGINEERS 145 CHURCH ST. NE - SUITE 240 MAREETA, GA 300000 770093844/2	CSC DESIGN, INC.
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					DATE: 10/06/2021

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	ALE DISCUSSION No: PE PROFES	TEREO 038561 SSIONAL	
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						PLUMB	ING	FIXTURE SCH	HEDULE 1
L	NAME	ITEM		MANUFACTUR	ER & MODEL NU	MBER			FITTINGS
	P-1	WATER CLOSET (AD	) )	KOHLER	WELLWORTH	K-25077	TRIP	LEVER TO BE ON TH	E "WIDE" SIDE C
	P-2 P-3	SINGLE SINK - EXA			I RAD2222	-2861 65	FAUCE	T: FIKAY IK406GN0	5T6 (WRISTBLAD
	P-4	SINGLE SINK - BRE		ELKAY	LRAD2522-	65	FAUCE	T: DELTA 100-DST,	DELTA RP54519
	P-5	SINGLE SINK – TRE	ATMENT RM	ELKAY	LRAD2222-	65	FAUCE	T: DELTA LK406GN0	5T6 (WRISTBLAD
к	P-6	MOP SINK		FIAT	MSB2424		SEE N		
	P-7	ICE MAKER SUPPLY	,	GUY GRAY	BIM875		WITH S	SHUT-OFF VALVE AN	D WATTS SD-2
	FD-1	FLOOR DRAIN		JAY R. SMITH	2005		_		
	CD-2	WALL CLEANDUT		JAY R. SMITH	9775		_		
	CD-3	CLEANDUT PLUG		-	_		_		
	CD-4	CLEANDUT, EXTER	IOR	SIOUX CHIEF	834-4PNR		-		
	HB-1	WALL HYDRANT, N	DN-FREEZE	JAY R. SMITH	5509QT		NDN-	FREEZE, INTEGRAL	VACUUM BREAK
	1 EQU 2 ALL 3 FAL	 AL MANUFACTURERS PORCELAIN FIXTURE JCET: FIAT 830 AA,	S ACCEPTED. S ARE TO BE HDSE & BRA	WHITE AND ARE TO CKET: FIAT 832 A4	BE PROVIDED E A, MOP BRACKE	Y THE SAM	IE MAN 9 CC,	IUFACTURER. STAINLESS STEEL	WALL GUARD: F
Н			WATER	HEATER SC	HEDULE				7
						DTII MITNI	/MAV	ΝΠΤΕΩ	
	WH-1	SUITE 100	RINNAI			15.000/19	9.000	245	-
	WH-2	SUITE 100	RINNAI	CU199iP	TANKLESS	15,000/19	9,000	245	-
	WH-3	SUITE 200	RINNAI	CU199iP	TANKLESS	15,000/19	9,000	245	
G	WH-4	SUITE 200	RINNAI	CU199iP	TANKLESS	15,000/19	9,000	245	_
	WH-5	SUITE 300	RINNAI	CU199iP	TANKLESS	15,000/19	9,000	(2)(3)(5)	_
F	<ul> <li>IN-LI</li> <li>PROV</li> <li>INSTA</li> </ul>	NE CIRCULATOR EQU IDE TRW02STIP MANI	AL TO GRUNDI FOLD RACK W RER'S RECOMM	FOS 26–99 ITH THERMACIRC360 IENDATION	FOR SUITE 100	AND SUITE	200	WATER HEATERS.	
E				N	Π		– PRC	OVIDE A SECTION	
_		INS PIF FO AN	SULATION PE	HANGER			OF STR INSI ROU ANE GAL GAL	HIGH COMPRESSION RENGTH INSULATION EACH HANGER POIN ULATION MAY BE HA JND OR FULL ROUND D EXTENDING 2" BEY LV. SHIELD EACH WA LVANIZED IRON EET SHIELD	r. LF OND Y.
D							- CLE SIN	EVIS HANGER FOR GLE PIPE RUNS	
		<b>4</b> P-3.1	WATER NO SCALE	<u>R PIPING</u>	HANG	ERS	DE [.]	TAIL	
C  	SLO SLO		FLOOR DRA	NIN - - -		δ			FLO
A	B F		RAIN D	ETAIL	/	2	FL	OOR CLE	

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SCHEDULE ①	
FITTINGS	REMARKS
ON THE "WIDE" SIDE OF THE TOILET	ADA, OPEN FRONT SEAT, LESS COVER
0T1150, ZURN ZW3870XLT MIXING VALVE	INSULATE EXPOSED PIPING UNDER LAV.
406GN05T6 (WRISTBLADE HANDLES)	INSULATE EXPOSED PIPING UNDER LAV.
D-DST, DELTA RP54519 AERATOR	INSULATE EXPOSED PIPING UNDER SINK
406GN05T6 (WRISTBLADE HANDLES)	INSULATE EXPOSED PIPING UNDER SINK
LVE AND WATTS SD-2 BACKFLOW PREVENTER	
	-
	-
	-
	-
	-
EGRAL VACUUM BREAKER, RECESSED LOCKING BOX	-

STEEL WALL GUARD: FIAT MSG 2424

# GENERAL PLUMBING NOTES AND SPECIFICA

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- 1. FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES.
- 2. FURNISH AND INSTALL ALL SYSTEMS OF SOIL, WASTE, AND VENT PIPING. HOT WATER PIPING, COLD WATER PIPING AND DRAINAGE PIPING INCLUDING ALL FITTINGS, VALVES, ETC. AS REQUIRED.
- 3. FURNISH AND INSTALL ALL PLUMBING FIXTURES AND EQUIPMENT AS SHOWN ON THE DRAWINGS.
- 4. ALL PLUMBING WORK SHALL BE DONE UNDER THE SUPERVISION OF BY LICENSED AND QUALIFIED PLUMBERS PER ALL LOCAL, STATE, AN NATIONAL CODES AND TO THE COMPLETE SATISFACTION OF THE LOC PLUMBING INSPECTOR.
- 5. ALL MATERIALS SHALL BE NEW, CLEAN, AND WITHOUT DEFECTS. AN DEFECTIVE MATERIALS SHALL BE REMOVED FROM JOB SITE.
- 6. ALL HOT AND COLD WATER PIPING SHALL BE COPPER TYPE "L" WITH SOLDERED JOINTS.
- 7. ALL HOT AND COLD WATER PIPING SHALL BE INSULATED WITH 1" TH FIBERGLASS PIPE INSULATION.
- 8. SANITARY, WASTE AND VENT PIPING BURIED WITHIN 5 FEET OF BUILDING SHALL BE ASTM D2665-81 PVC SCH. 40 PIPE. PROVIDE F RATED PIPE FOR WASTE AND VENT PIPING IN THE RETURN AIR PLEN
- 9. CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUME CODE REQUIREMENTS AT EACH CHANGE IN DIRECTION. CLEANOUTS SHALL BE PLACED IN READILY ACCESSIBLE LOCATIONS.
- 10. INSTALL AN ISOLATION VALVE FOR EACH FIXTURE CONNECTED.
- 11. UPON COMPLETION OF THE WORK, TEST ALL PIPING SYSTEM AS FOLLOWS:
  - A. DRAINAGE SYSTEMS INCLUDING SANITARY SEWERS, ROOF DRAINAGE, AND SANITARY VENTS: PLUG LOW POINTS OF SYS AND FILL WITH WATER TO UPPERMOST OUTLET OR TO 12 FEET HIGH, WHICHEVER IS LOWER. LET SYSTEM STAND FULL OF WA WITH NO INDICATIONS OF LEAKS.
  - DOMESTIC HOT AND COLD WATER: 150 PSIG HYDROSTATIC TE B. HOLD HYDROSTATIC TESTS FOR A MINIMUM OF EIGHT HOURS WITHOUT LOSS OF PRESSURE. HOLD AIR TESTS FOR A MINIMU OF ONE HOUR WITHOUT SIGNIFICANT LOSS OF PRESSURE. WIT APPROVAL OF ARCHITECT, AIR TESTING MAY BE SUBSTITUTED HYDROSTATIC TESTING IN FREEZING WEATHER.
- 12. RETESTING: RETEST PIPING FAILING INITIAL TESTS FOLLOWING CORRECTION OF DEFECTIVE WORK. REQUIREMENTS OF INITIAL TESTS SHALL APPLY.
- 13. BACK FLOW PREVENTER TO BE EQUAL TO WATTS SERIES 007.
- 14. WATER PRESSURE REDUCING VALVE TO BE EQUAL TO WATTS LF223-(SET AT 50 PSIG).
- 15. ALL FLOOR DRAINS ON THE SANITARY SYSTEM ARE TO HAVE SURE SURE SEAL #22X009 TRAP SEAL ONE WAY VALVES OR EQUAL.
- 16. INSTALL WATER HAMMER ARRESTORS AT ALL QUICK CLOSING VALVES. SIZE AND LOCATE PER MANUFACTURER'S RECOMMENDATION.

HYDRO-PNEUMATIC SHOCK

![](_page_52_Figure_35.jpeg)

I	10	11	15	16		
	13	14				CSC
TIONS				S&S ENGINEE PROFESSIONAL CONSULTING ENGINES 145 CHURCH ST. NE - SUITE 24 MARIETTA, GA 30060 770953.8842	RS ARCHITECTS	DESIGN NC. $\underbrace{\text{Engineers}}$
		GENERAL C	ONSTRUCTION NO	DTES	135 P. Rickman I Suite 100, Canto (770) 345-2579	industrial Dr. n, GA 30115
	1.	REPLACE OR REPAIR AI DURING CONSTRUCTION	NY EXISTING EQUIPMENT DIS TO ITS ORIGINAL CONDITION	TURBED OR DAMAGED I.	AND E CIST	E S
	2.	DISPOSE OF ALL WASTE CLEAN AT ALL TIMES.	E MATERIALS IMMEDIATELY A	ND KEEP PREMISES		<u>38561</u> 5ΙΟΝΑΙ ★
AND	3.	THE CONTRACTOR SHAL	L ACCEPT THE PROJECT SI	TE IN "AS IS"		2
CAL		FOR THE EXISTING WOR SHALL INCLUDE COSTS REPLACEMENTS IN ACC SPECIFICATION SECTION	K TO BE REUSED OR ALTER OF ALL REQUIRED MODIFICA ORDANCE WITH APPLICABLE S.	RED. CONTRACTOR TIONS OR PLANS AND	M SAU	EEE STAN
	4.	THE DIMENSIONS AND C	COUNTS PROVIDED IN THE D	RAWINGS AND	10/06	3/21
нск		BE THE CONTRACTOR'S NECESSARY MEASUREM ALL THE JOB CONDITIO	RESPONSIBILITY TO INSPEC ENTS, COUNTS AND FAMILIA NS PRIOR TO PROCEEDING V	T THE SITE, TAKE RIZE HIMSELF WITH WITH THE WORK.	JOB: DRW:	21_061 KS
	5.	CONFINE OPERATIONS A ORDINANCES, PERMITS,	T THE SITE TO AREAS PER CONTRACT DOCUMENTS AND	MITTED BY LAW, D THE OWNER.		
VUM.	6.	DO NOT UNREASONABL' EQUIPMENT.	Y ENCUMBER PREMISES WITH	I MATERIALS OR		
BING	7.	DO NOT LOAD STRUCTU STRUCTURE. ASSUME SAFEKEEPING OF PRODU	IRES WITH WEIGHT THAT WIL FULL RESPONSIBILITY FOR P JCTS AND EQUIPMENT STOR	L ENDANGER ROTECTION AND ED ON PREMISES.		
	8.	MAINTAIN THE PREMISES	S IN CLEAN AND SAFE CON	DITION AT ALL TIMES.		
	9.	THE CONTRACT OPERAT NUISANCE, LACK OF SA DAMAGE TO PROPERTY	TONS SHOULD NOT CAUSE AN FETY, BLOCKED MEANS OF AND PERSON, DISRUPTION	ANY HINDRANCE, ENTRANCE AND EXIT, OF UTILITIES,		
STEM F ATER		PROPERTIES AND PERSO SHOULD THEY OCCUR A COST TO THE APPROVA	ONS. REMOVE SUCH CONDI AND REPAIR OR REPLACE TH AL OF THE ENGINEER.	TION FORTHWITH, HE DAMAGE AT OWN		
ST	10.	PROVIDE ACCESS TO O	WNER'S AUTHORIZED PERSO	NS AND THE POLICE,		
JM TH		AT ALL TIMES AND PRO	OVIDE COOPERATION IN THEI	R WORK.	COMME	
FOR	L				ABER	
					NUN	
		PLUMBING L	_EGEND			
		SANITA	RY WASTE PIPING			
_s		SANITAF	RY VENT PIPING			
		DOMEST	TC COLD WATER			

DOMESTIC HOT WATER

CLEANOUT

FLOOR DRAIN

HOT WATER CIRCULATION

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SCHEDULES

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DATE: 10/06/2021

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