VERALL PLAN, FLOOR PLAN, ROOF PLAN, AND DETA ENERAL NOTES, ROOF FRAMING PLAN, SECTIONS AND DET WEST HARALSON ELEMENTARY SCHOOL SYMBOL LEGEND, GENERAL NOTES, PANELBOARD SCHE FLOOR PLANS - ELECTRICAL **GYMNASIUM MODIFICATION FACILITY CODE: 671-4050** 4552 OLD HWY 100, TALLAPOOSA, GA 30176 HARALSON COUNTY SCHOOLS **BUILDING CODE DATA** APPLICABLE CODES PROJECT SCOPE VICINITY MAP 2018 IBC with 2020 & 2022 Georgia Amendments OCCUPANCY CLASSIFICATION:
CONSTRUCTION TYPE:
SPRINKLERED:EXISTING EDUCATIONAL AND EXISTING ASSMEBLY
EXISTING
N/AOVERALL AREA:
NO. OF STORIES:8277 SFNO. OF STORIES:
ONE (NOT AFFECTED BY PROPOSED SCOPE) PROJECT SCOPE SHALL INCLUDE THE REPLACEMENT OF EXISTING HVAC SYSTEM WITH NEW HVAC SYSTEM FOR THE GYMNASIUM (BUILDING 2030) 2018 IPC with 2020 & 2022 Georgia Amendments BUILDING 2018 IMC with 2020 Georgia Amendments LOCATION — 2018 IFGC with 2020 & 2022 Georgia Amendments 2020 National Electric Code West Haralson Elementary School 2018 NFPA 101 Life Safety Code 2018 International Fire Code Georgia Accessibility Code 2010 ADA Standards for Accessible Design MECHANICAL 2004 ADAAG BAA MECHANICAL ENGINEERS, 2015 International Energy Conservation Code (IECC) with 2020 500 BISHOP ST., SUITE E-2 ATLANTA, GEORGIA 30318 & 2022 Supplements and Amendments (404) 355-0050 JAIUUAI

SHEET/SUITE/ROOM/DOOR REFERENCE	PROJECT PARTNERS
DISCIPLINE REFERENCE BUILDING NUMBER (1,2 OR 3) - AS NEEDED, IF NO NUMBER PRESENT SHEET APPLIES TO CAMPUS OR ALL BUILDINGS	OWNERARCHITECTHARALSON COUNTY SCHOOLSBREAUX & ASSOCIATES299 ROBERTSON AVENUEARCHITECTSTALLAPOOSA, GA 301765955 SHILOH ROAD EAST,(770) 547-2500SUITE 200
AREA REFERENCE AS NEEDED, IF NO LETTER PRESENT SHEET APPLIES TO WHOLE BUILDING LEVEL. OTHERWISE AREAS AS NOTED IN KEY PLAN. BUILDING NUMBER BUILDING NUMBER	CONTACT: DR. JERRY BELL ALPHARETTA, GEORGIA 30005 (678) 585-4508 ConstructionAdmin@BXArch.com <u>ENGINEERS</u>
(IF NEEDED, SEE ABOVE) DOOR LOCATION REFERENCE (BASED ON SUITE-ROOM NUMBERING - SEE ABOVE) DOOR NUMBERING - SEE ABOVE	STRUCTURALELECTRICALKEYSTONE STRUCTURALMATHIS CONSULTING ENGINEERSENGINEERING, P.C.244 0'DELL RD., SUITE 6531 ROSELANE ST., SUITE 150GRIFFIN, GEORGIA 30224MARIETTA, GEORGIA 30060(404) 237-8632(404) 483-6921(404) 237-8632

	DATE
	01/04/2023
	01/04/2023
	01/04/2023
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AM	01/04/2023
	01/04/2023

INDEX OF DRAWINGS

DRAWING NAME

K S S S S S S S S S S S S S S S S S S S	Breaux & Associates	5955 Shiloh Road East, Suite 200	Alpharetta, Georgia 30005 (678) 585-4508
NO DE	SCRIPTION		ATE
WEST HARALSON ELEMENTARY SCHOC GYMNASIUM MODIFICATION	4552 OLD HWY 100, TALLAPOOSA, GA 30176	(FACILITY CODE: 6/1-4050)	HARALSON COUNTY SCHOOLS
COVER			
DATE PROJECT NO.	3 0.	01/04 <i>/</i> 2 0	/2023 22130



REFER MECHANICAL FOR ADDITION WORKS ON PLAN





REFER MECHANICAL FOR ADDITIONAL WORKS ON ROOF











NO	DRAWING NOTES
1	NEW STEEL TUBE COLUMNS ADDED TO SUPPORT ROOF TOP EQUIPMENT. REFER STRUCTURAL FOR FOUNDATION AND COLUMN DETAILS
2	REMOVE ALL EXISTING PLUMBING FIXTURES, PATCH ALL OPENING. FINISH TO MATCH EXISTING CONDITIONS.
3	REMOVE EXISTING INTAKE LOUVERS. PATCH OPENINGS TO MATCH EXISTING



GENERAL NOTES:

(THESE SPECIFICATIONS ARE IN ADDITION TO AND DO NOT EXCLUDE ANY FOUND IN THE GENERAL SPECIFICATIONS FOR THE PROJECT)

1. THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION: INCLUDING BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.

2. SHOP DRAWINGS FOR CONCRETE AND MASONRY REINFORCING, STRUCTURAL STEEL, JOIST, AND METAL FLOOR AND ROOF DECKING SUBMITTALS SHALL COMPLY WITH THE FOLLOWING:

A. CONTRACTOR SHALL FURNISH COMPLETE AND DETAILED SHOP DRAWINGS PREPARED UNDER SUPERVISION OF A REGISTERED STRUCTURAL ENGINEER. THESE DRAWINGS SHALL SHOW SIZES, LOCATION, TYPE AND EXTENT OF ALL MEMBERS, BOLTS AND WELDS B. INDICATE THE DATE OF THE STRUCTURAL DRAWINGS USED FOR SHOP DRAWING PREPARATION.

C. INDICATE WELDS BY STANDARD AWS SYMBOLS AND SHOW SIZE LENGTH AND TYPE OF EACH WELD.

D. PROVIDE SETTING DRAWINGS, TEMPLATES AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED BY OTHERS.

E. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS PRIOR TO SUBMITTAL FOR ENGINEERING REVIEW.

F. CONTRACTOR SHALL HAVE AN APPROVED SET OF STRUCTURAL STEEL SHOP DRAWINGS AND PROOF OF WELDER CERTIFICATION AT THE JOBSITE AT ALL TIMES. G. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

H. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR BUILDING LOCATION AND ORIENTATION. COORDINATE ALL DIMENSIONS WITH ARCH. DRAWINGS. DO NOT SCALE DRAWING.

I. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE AND SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.

3. DESIGN LOADS:

THE BUILDING STRUCTURE DESCRIBED IN THESE PLANS SHALL BE CONSTRUCTED IN COMPLIANCE WITH 2018 IBC WITH ALL GEORGIA AMENDMENTS.

A. GRAVITY LOADS DEAD LOADS: ROOF: 10.0 PSF

LIVE LOADS: ROOF: 20.0 PSF

B. SNOW LOADS: GROUND SNOW LOAD (Pg): 5 PSF BALANCED ROOF SNOW LOAD (Pf+RAIN): 10.5 PSF SNOW EXPOSURE FACTOR (Ce): .9 SNOW IMPORTANCE FACTOR (Is): 1.1

THERMAL FACTOR (Ct): 1.0 C. WIND LOADS ULTIMATE LOADS: BASIC WIND SPEED (3 SEC. GUST): 115 MPH RISK CATEGORY: III EXPOSURE CATEGORY: B

INTERNAL PRESSURE (GCpi): +/-0.18 SEE ASCE-7 FOR COMPONENT & CLADDING LOADS BASED ON TRIBUTARY AREAS FOR INDIVIDUAL ELEMENTS

D. SEISMIC DESIGN CRITERIA: SEISMIC IMPORTANCE FACTOR (Ie): 1.25 RISK CATEGORY: III MAPPED SPECTRAL RESPONSE ACCELERATIONS: Ss: 0.2184g S1: 0.0958g SITE CLASS: D

S(DS): 0.233g S(D1): 0.153g SITE COEFFICIENT Fa = 1.60 Fv = 2.40 SEISMIC DESIGN CATEGORY: C BASIC SEISMIC FORCE RESISTING SYSTEM: STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE SEISMIC RESPONSE COEFFICIENT (Cs): 0.0971 DESIGN RESPONSE MODIFICATION FACTOR (R): 3.0 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATION NOTES:

1. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 PSI U.N.O.. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED TO 6% +/- 11/2% 2. SEE ARCHITECTURAL DRAWINGS FOR SIDE WALK EXTENTS, PLANTER, AND PAVER LOCATIONS, CONCRETE PADS AND STAIRS, SEE ARCH. FOR DIMENSIONS AT INTERIOR MASONRY PARTITIONS, AND DETAILS.

3. COORDINATE FINISHED FLOOR ELEVATIONS (F.F.E.) WITH ARCH. AND CIVIL DRAWINGS.

4. REFERENCE F.F.E = (SEE CIVIL)

5. ALL FOOTINGS HAVE BEEN DESIGNED BASED UPON ANASSUMED SOIL BEARING PRESSURE OF 2000 PSF.

6. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER OR TESTING AGENCY PRIOR TO PLACING ANY FOUNDATION CONCRETE. CONTACT STRUCTURAL ENGINEER IF THE ALLOWABLE SOIL BEARING PRESSURE IS LESS THAN 2500 PSF.

7. ALL EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 1' - 4" BELOW F.F.E. OR THE ADJACENT EXTERIOR FINISH GRADE, UNLESS NOTED OTHERWISE.

8. TOP OF INTERIOR FOOTINGS SHALL BE A MINIMUM OF 0 - 8" BELOW F.F.E. COORDINATE TOP OF FOOTING ELEV. W/ PLUMBING AND LOWER FOOTING IF NECESSARY 9. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING OR NEW UTILITIES. LOWER

FOUNDATION AS REQUIRED TO AVOID INTERFERENCE WITH UTILITIES, EXCEPT WHERE ZERO LOT LINE FOOTINGS ARE LOCATED PARALLEL TO ADJACENT BUILDINGS. REFER TO THE FOUNDATION PLAN FOR FOOTING STEPS AT ADJACENT BUILDINGS - CONTACT ARCH./STRUCTURAL ENGINEER IF A CONFLICT OCCURS.

10. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2" INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTING AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS. 11. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONTIOR CUT AND FILL OPERATIONS AND PERFORM FIELD

DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.

CONCRETE SLAB NOTES:

1. FLOOR SLABS ON GRADE SHALL BE 4" THICK 3000 PSI MINIMUM COMPRESSIVE STRENGTH NORMAL WEIGHT CONCRETE. REINFORCED w/ 6X6-W1.4/W1.4 (10GA) WWF UNLESS NOTED OTHERWISE. LOCATE SINGE LAYER OF WWF AT MID DEPTH OF SLAB. PROVIDE 15 MIL (MIN) POLYOLEFIN VAPOR BARRIER WITH JOINTS LAPPED 6" AND TAPED UNDER ALL INTERIOR SLABS. 2. PROVIDE A 4" THICK #57 STONE DRAINAGE FILL BELOW ALL INTERIOR SLABS ON GRADE UNLESS NOTED OR DETAILED

OTHERWISE. 3. WHERE CONTROL/CONSTRUCTION JOINTS ARE NOT INDICATED, PROVIDE CONTROL/CONSTRUCTION JOINTS AT 12'-0" O.C. IN

EACH DIRECTION. THE LENGTH OF ANY PANEL SHALL NOT EXCEED 1.5 TIMES THE WIDTH. CONSTRUCTION JOINTS ADJACENT TO INTERIOR WALLS SHALL BE DOWELED WITH 3/4" DIAMETER SMOOTH RODS AT 24" O.C. LOCATED AT MID DEPTH OF SLAB. 4. CONDUITS AND PIPES EMBEDDED IN SLABS ON GRADE:

SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE-THIRD THE OVERALL THICKNESS OF THE SLAB. THEY SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER. A MINIMUM SLAB THICKNESS OF 2/3 THE SLAB THICKNESS MUST BE MAINTAINED OVER THE EMBEDDED CONDUITS OR PIPES.

5. COORDINATE THE EXACT LOCATION AND EXTENTS OF ALL FLOOR SLOPES, RECESSED AREAS, DRAIN AND TRENCH LOCATIONS WITH OWNER, ARCHITECTURAL AND PLUMBING DRAWINGS.

REINFORCED CONCRETE NOTES:

EACH CORNER.

1. STRUCTURAL MEMBERS OF REINFORCED CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI318.

2, ALL CONCRETE SHALL HAVE A SLUMP OF 4" (+/-1") AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI U.N.O., CONCRETE EXPOSED TO FREEZE-THAW SHALL BE AIR ENTRAINED TO 6% AIR CONTENT +/- 1 1/2%.

3. ALL STEEL REINFORCEMENT SHALL BE ASTM 615-GRADE 60. ALL WELDED STEEL REINFORCEMENT SHALL BE ASTM A706-GRADE 60. WELDED WIRE REINFORCEMENT SHALL BE ASTM A 185, PLAIN, FABRICATED FROM AS DRAWN STEEL WIRE INTO FLAT SHEETS. 4. UNLESS NOTED OTHERWISE, CAST IN PLACE CONCRETE WALLS AND FLOORS SHALL HAVE THE FOLLOWING STEEL ADDED AROUND ALL OPENINGS: 2-#5 (LENGTH OF OPENING + 48") ALONG EACH SIDE OF OPENING AND TWO (2)-#5X5'-0" DIAGONALLY AT

5. ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE AT JOB SITE.

6. ALL LAP SPLICE LENGTHS SHALL BE AS SHOWN IN TABLE ON THIS SHEET.

7. MINIMUM CONCRETE COVER FOR REINFORCING STEEL: (UNO) A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

B. CONCRETE EXPOSED TO EARTH AND WEATHER: #5 REBAR AND SMALLER: 2"

#6 REBAR AND LARGER: 2" C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:

SLABS, WALLS, AND JOISTS: #14 OR #18 BARS: 1 1/2"

#11 BARS AND SMALLER: 2" BEAMS AND COLUMNS: 2"

8. CONTRACTOR SHALL COORDINATE DIMENSIONS OF EMBEDDED STEEL ITEMS FOR EQUIPMENT AND OTHER ITEMS.

	Structural Footir	ng Schedule
Mark	DIMENSIONS L X W X THICKNESS	Reinforcing
F3	3'-0"x3'-0"x12"	(3) #5's EACH WAY

STEEL NOTES: 1. STRUCTURAL STEEL

WIDE FLANGE BEAMS: A992 STRUCTURAL STEEL PIPE: A53 GRADE B

B. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-10) USING LOAD AND RESISTANCE FACTOR DESIGN.

C. PROVIDE 1" (MINIMUM) NON-SHRINK 5000 PSI GROUT UNDER ALL BASE PLATES. D. SHOP OR FIELD SPLICES BETWEEN SUPPORTS THAT ARE NOT REQUIRED BY DESIGN WILL NOT BE ALLOWED. ANY MEMBERS CONTAINING

2. STEEL CONNECTIONS: A. WHERE BEAM REACTIONS OR DETAILS ARE NOT SHOWN IN THE CONSTRUCTION DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR ONE-HALF THE MAXIMUM (SIMPLE SPAN) UNIFORM LOAD WHICH THE MEMBER WILL SUPPORT FOR THE SPAN SHOWN ON THE DRAWINGS.

CAPACITY OF THE DIAGONAL MEMBER.

3. WELDS:

AVAILABLE AT THE JOB SITE.

THE DRAWINGS.

DEFORMED ANCHORS IS NOT ALLOWED. ERECTION TO SATISFY OSHA REQUIREMENTS.

SPECIAL INSPECTION NOTES:

REQUIREMENTS.

INSPECTOR WHEN WORK IS READY TO BE INSPECTED.

FOR BY THE CONTRACTOR.

WORK IS TO BE PERFORMED.

THE PROJECT ENGINEER CAN OBSERVE THE WORK :

INSULATION OR ROOFING

CONTRACTORS EXPENSE.

THE CONTRACTOR.

RE TENS	INFORC
BAR SIZE	f'c=300
#3	25
#4	33
#5	41
#6	49
#7	72

STEEL ST THICK ON BEAM WE	IFF. PLATE 1/2" EACH SIDE OF B	_
	STEEL B	EAM

(SEE PLAN)

STEEL COLUMN	
(SEE PLAN)	

NOT	ES:			
1.	* [DESIGN	NATES	THAT
T	hiCKI	NESS N	MINUS	1/16"
C	OLUN	INS W	ITH W/	ALL TH
M	IATCH	I COLL	JMN W	ALL T

3	BEAM O
S1.1	3/4" = 1'

A. SHALL CONFORM TO THE LATEST STANDARDS OF ASTM:

1. NON COMPOSITE BEAMS: BEAM-TO-BEAM OR BEAM-TO-COLUMN CONNECTION TO DEVELOP THE REACTION OF CONNECTED BEAM. OBTAIN END REACTION FROM ALLOWABLE UNIFORM LOAD TABLES IN PART 2 OF THE AISC MANUAL OF STEEL CONSTRUCTION.

VERTICAL COMPONENTS OF FORCES IN BRACE MEMBERS FRAMING INTO BEAM.

LENGTHS OF WELDS SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING: (1) DESIGN CONNECTIONS OF DIAGONAL MEMBERS TO DEVELOP THE LOADS SHOWN ON THE BRACE DETAILS. (2) WHERE FORCES ARE NOT INDICATED ON THE DETAILS, DESIGN CONNECTIONS OF DIAGONAL MEMBERS TO DEVELOP THE FULL TENSILE

TENSIONS, SHEARS, AND MOMENTS CAUSED BY CONCENTRIC AND ECCENTRIC FORCES. (4) ALL BRACE CONNECTIONS SHALL USE WELDS OR FULLY TENSIONED A325 CLASS A SLIP CRITICAL BOLTS.

THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS. CONNECTIONS ARE BEARING TYPE.

A. PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL

B. ALL WELDING SHALL CONFORM TO THE LATEST "STRUCTURAL WELDING CODE" BY THE AMERICAN WELDING SOCIETY. ALL WORK SHALL BE PERFORMED BY CERTIFIED WELDERS EXPERIENCED IN THE TYPE OF CONSTRUCTION INVOLVED. PROOF OF WELDER CERTIFICATION SHALL BE

C. DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER ELEMENT JOINED, ON ALL SHOP AND FIELD WELDS, UNLESS NOTED OTHERWISE ON

D. ALL WELDS ARE CONTINUOUS FOR THE FULL LENGTH OF THE CONNECTION UNLESS NOTED OTHERWISE ON DRAWINGS.

E. HEADED STUDS (SHEAR AND ANCHOR) AND DEFORMED ANCHORS PROVIDE HEADED STUDS (SHEAR AND ANCHOR) MADE OF MATERIAL CONFORMING TO ASTM A108.

(2) WELD STUDS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. MANUAL ARC (STICK) WELDING OF HEADED STUDS AND/OR

4. COLUMN BASEPLATES THAT DO NOT HAVE THREE ANCHORS SHALL BE ADEQUATELY BRACED OR SUPPORTED BY OTHER MEANS DURING

A. THE SPECIAL INSPECTOR SHALL BE ENGAGED BY THE OWNER. SPECIAL INSPECTOR SHALL BE FULLY QUALIFIED, APPROVED

B. THE SPECIAL INSPECTOR SHALL PROVIDE VERIFICATION OF CONSTRUCTION QUALITY CONTROL INSPECTIONS AND TESTING. THE SPECIAL INSPECTOR SHALL CERTIFY THAT ALL WORK REQUIRING INSPECTION IS PERFORMED IN COMPLIANCE WITH ALL

C. SPECIAL INSPECTIONS ARE REQUIRED FOR THE ITEMS NOTED IN THE STATEMENT OF SPECIAL INSPECTIONS AND THE 2012 IBC

CONTRACTOR REMOVING OTHER WORK TO ALLOW INSPECTION. THIS WORK WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE. FAILURE TO HAVE REQUIRED ITEMS INSPECTED IS REASON FOR REJECTION OF THE WORK.

E. PREMATURE NOTIFICATION FOR INSPECTIONS WILL RESULT IN ADDITIONAL INSPECTION WITH ALL EXPENSES AND FEES PAID

THE SPECIAL INSPECTOR IS RESPONSIBLE FOR CONTINUOUS AND PERIODIC INSPECTION OF ALL WORK AS REQUIRED IN THE STATEMENT OF SPECIAL INSPECTIONS. THE STRUCTURAL ENGINEER OF RECORD OBSERVATION IS IN ADDITION TO THE SPECIAL INSPECTION AND DOES NOT SERVE AS THE SPECIAL INSPECTION FOR THE ITEMS NOTED. THE STRUCTURAL ENGINEER OF RECORD WILL OBSERVE THE INITIAL AREAS WHERE THE WORK NOTED IN THE FOLLOWING LIST IS BEING PERFORMED. CORRECTIONS TO THE WORK PERFORMED IN THE INITIAL AREAS NOTED BY THE ENGINEER OF RECORD SHALL BE FOLLOWED IN SUBSEQUENT AREAS WHERE SIMILAR

1. CONTRACTOR SHALL NOTIFY THE ARCHITECT FIVE WORKING DAYS PRIOR TO THE FOLLOWING CONSTRUCTION MILESTONES SO A. SPREAD FOOTING FOUNDATIONS, EACH TYPE OF RETAINING WALL FOUNDATIONS - AFTER FOUNDATION REINFORCING IS PLACED AND PRIOR TO PLACING CONCRETE FOR THE FOUNDATIONS. C. FIRST SLAB ON GRADE PLACEMENT - AFTER SLAB REINFORCING IS PLACED AND BEFORE PLACING SLAB ON GRADE. D. REINFORCED MASONRY WALLS - AFTER WALLS AND REINFORCING ARE INSTALLED AND PRIOR TO GROUTING. E. STEEL STRUCTURE - AFTER FLOOR AND ROOF FRAMING AND ROOF DECK IS FULLY INSTALLED AND PRIOR TO INSTALLING F. FLOOR SLAB ON METAL DECK PLACEMENT - AFTER SLAB REINFORCING IS PLACED AND BEFORE PLACING SLAB. 2. FAILURE TO NOTIFY THE STRUCTURAL ENGINEER PRIOR TO ANY CONSTRUCTION MILESTONE OBSERVATION MAY RESULT IN THE

3. PREMATURE NOTIFICATION FOR SITE VISIT WILL RESULT IN ADDITIONAL OBSERVATION WITH ALL EXPENSES AND FEES PAID FOR BY









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OA CFI	M SHALL	BE 410.													2. E 3. F	EEXHAU PROVIDE	JST AIR; R=RETURN AIR; FULL-FACE DEVICES ONLY	; PANEL-MOUN
															4. A	ALL DEVI	CES SHALL BE FACTORY P OSED BLADE DAMPERS SH/	AINTED POWDEI
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	3/4	SEER SEN 24.6 6.7	TOT DB 9.0 80	WB 67	MBH 10.9	HSPF 12.8	сгм 235	HIG	H SIDEWALL	INDOOR MSZ-GLO	1 OL 09NA MUZ:	JTDOOR -GL09NA						
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12.									<u>PIPIN</u>	. ¤[= ⊆ ∡			JLATION (AS					
		UNION											OIRED)				INSULATED (1-1/2" RIGID FIBERGLASS) SIDE ENTRY F	R00F
GIL		GAS (COCK							N.	Ŵ						BOX PERMANENTLY ATTACK ROOF CURB. SIZE AS REQU	ied to Jired
	↓ " [™] ,	łą ∕	ス									14 0	GAUGE SHIELD				WELDED WITH FULL MITERE	JRE -
IUM			GAS M	AIN					NOTES:	D /							TREATED WOOD NAILER ST	RIP
IG	2		ON ROO	DF					 VAPOR DETAIL 	BARRIER T	o be con or pipes :	INUOUS A) FROM WALLS.				12" HIGH INSULATED	/
TICAL/									·									$\overline{\underline{}}$
<u>NN. T</u>	<u>) G</u>	<u>as un</u>	<u>IT</u>				<u> </u>	NSUL	ATED	PIPI	NG PF	ROTEC	TION DE	TAILS				
							1	NU SCALE	<u>.</u>								SIDE FN	TRY RC

		PACKAGED		CTRIC RO	OFTOF		SCHED	ULE		DIFFUSERS,	REGIS
	MARK	NOM. MBH	E.A.T. SEER/E		CFM	E.S.P.	MINIMUM OCCUPIED	BASIS OF DESIGN	MARK	NECK SIZE	HEAVY-DU
	RTU-1	25 266.9 207.5	ber wer	мвн МВН 320.0 259.0	10,000	IN.WC. 1.0	1,250	YSJ300 (2)(3)(4)	R-1	SIZE SHOWN ON DWGS	• 1/2" B HORIZO
		RED COOLING UNIT CA	PACITIES ARE AT 95°F	DB AMBIENT OAT.							SURFAC WELDEE
		DE (3) ION GENERATO	R EQUAL TO GLOBAL F	PLASMA SOLUTIONS							CORE E EXCEET
	3 PROVI	DE DUCT-MOUNTED IN	MOKE DETECTOR (BY D	IV. 26), WIRED TO	SHUT						PRICE
		UNIT UPON DETECTION	N OF SMOKE. SEE PLA CONTROL VENTILATION.	NS FOR LOCATION. OA DAMPER SHALL					NOTES: 1 PROVID	E ALLIMINUM DEVICES (INCLU	
	OA CF	LATE DURING OCCUPIE FM SHALL BE 410.	D TIME BASED ON SPA	CE CO2 SENSOR. E	ASE				2. E=EXH	AUST AIR; R=RETURN AIR;	TA=TRANSFE
									4. ALL DE	EVICES SHALL BE FACTORY P	AINTED POWDE
		DUCTLESS	SPLIT-SYST	EM HEAT		SCHED	ULE		6. ALL CE	EILING-MOUNTED SUPPLY DIFF	TUSERS SHALL
			DOLING * HE	ATING **	INDOOR UNI		BASIS FOR DESIG	GN	7. ALL DE	OTHERWISE. EVICES SPECIFIED AS ADJUST.	ABLE, SHALL F
MAR	K	TONS SEER MBH	H EAT REV. (CYCLE 3H HSPF CF	мт	YPE	MITSUBISHI	TDOOR	8. SEE SF	PECIFICATIONS FOR ADDITIONA	
)/HP-1 THRU 7		3/4 24.6 6.7	9.0 80 67 10	.9 12.8 23	5 HIGH	SIDEWALL M	ISZ-GLO9NA MUZ-	-GL09NA	_		
REQUIRED COOLIN REVERSE CYCLE	NG — UNIT CA HEATING & CO	PACITIES ARE AT 95°F OP IS AT AHRI HIGH T	DB AMBIENT OAT.								
NOTE: PROVIDE I THROUGH EXISTIN	NTERFACE TO NG CONTROLS.	ALLOW CONTROL OF	UNITS								
[FAN SCHE	DULE						
ĺ	MARK		FAN DATA	со	NTROL	FAN TY	PE BA	SIS OF DESIGN			
		CFM E.S.P. IN.WC.	SONES WATTS F	RPM DRIVE				GREENHECK U.N.O.			
	EF-1 EF-2	100 0.25 100 0.25	1.0 128 7 1.0 128 7	708 DIRECT LIG 708 DIRECT LIG	HTING HTING	CEILING EXHAU	IST FAN SP- IST FAN SP-	-B150 -B150			
L											
		IDE OPTIONAL, SU	JRFACE-							$\left(\right)$	
	MOUN	TED, EXTERNAL	TYPE, LITTLE			Г	-INSULATION (AS	REQ'D)		col	
	EQUIV	ALENT PRODUCT) CONDENSATE				SEE PIPING PROT DETAIL	ECTION		5	
		. 1.2 GPH @ 20)' DISCHARGE				NOTE: FOR P			DRAIN F	
\bigcap	BRAC	KET & COVER.	WIRE THRU				AND II	NCLUDING 4"		UNION	
	UNIT.										L,
	— нісн-	-SIDEWALL FAN-(HANGE	<u>R</u>	<u>SPLIT RING H</u>	<u>ANGER</u>	NOTE: APPLIES T	O ALL COOLIN
	MOUN	T IN STRICT COM	APLIANCE WITH							CONDENS	ATE DE
	ALL N	IANUFACTURER F	REQUIREMENTS.				PROVID	DE CLEVIS		NO SCALE	
	<u>ALL</u> F		IG SHALL BE				AROUN BARE				
	RUN I PAINT	ED. SHEET META	L ENCLOSURE.			Í					
		EXTENDED TO SP	ACE ABOVE				SEE PROTECTION DETAILS (TYP)				
	DRAW	INGS FOR CONTIN	NUATION.).								
								<u>ᄴᆈᄣᅷᆀᆈᄣ</u>			
	—— накр CONTI	- WIRED, WALL-M ROLLER/THERMOS	STAT. 4'-0" A.F.F	•			-	T			חו
		-		TWC		<u>OL</u> LER H	ANGER	GANG I	HANGER	SUPPLIED). BI-FL HEAT PUMP APPLI	OW FOR CATIONS
							T D D D D D D D D D D				
	CMU	WALL			ING SU	UPPOR	I DE FAIL	5		PROVIDE DOUBLE S	
	YSTEM		DFWΔII	NO S	CALE					OR UNLOADING SIL	NGLE COMPRES
										EVAPORATOR COILS	S WHEN REQUI
AIL —	UNU	WALL				HOT	¥				
						PIPING		INSULATION (AS REQUIRED)			
											$RL_{\boldsymbol{\gamma}}$
\wedge		INUIE: Locate gas did	ING SO					HANGER MAY TOUCH F HANGERS IN CONTACT	PIPE. W/	NO SCALE	CUNINE
	\searrow	AS NOT TO BLOG	CK					COPPER PIPE SHALL B COPPER OR HAVE COP	e Per		
GAS							₩ ₩	INSERTS.			
	1.24					<u>COLD</u> PIPING		INSULATION (AS			
$\overline{}$		×]				<u>0</u>		REQUIRED)		INSULATED (1-1/2" RIGID	
\sim			ОСК							FIBERGLASS) SIDE ENTRY F BOX PERMANENTLY ATTACK	ROOF HED_TO
			2				+			ROOF CURB. SIZE AS REQU FOR UTILITIES. ALL SEAMS	
SWING JOINT F	OR		~ -					─ 14 GAUGE SHIELD		WELDED WITH FULL MITERE CORNERS, PROVIDE PRESSU TREATED WOOD NAMED ST	
EXPANSION. MII THREE ELBOWS	NIMUM		-GAS MAIN		N 1			INUOUS AT ALL JOINTS		INLATED WOOD NAILER ST	
DIRT LEG, 6" L	ONG	2	UN KUUF		2	. DETAIL SIM	ILAR FOR PIPES S	SUPPORTED FROM WALLS.		12" HIGH INSULATED ROOF CURB	,
AT BASE OF V	ERTICAL —					• -			A.W		
<u>GAS</u> C	ONN. T	O GAS UNI	T		INSUL	ATED F	PIPING PR	ROTECTION DET.	AILS		
NO SCALE					NO SCALE						
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					.5/ELI										DIFFUSERS,	
	MARK	NOM. TONS						PUT CFM	E.S.P.		UM BAS PIED FM TRA	SIS OF DESIGN		MARK	NECK SIZE	HEAVY-DU
	RTU-1	25	266.9 207.	5 80.0	увг 37.0 —∕	· /9.8 3	20.0 25	9.0 10,000	1.0	1,25	0 YSJ3	00 (2)3(4)		R-1	SIZE SHOWN ON DWGS	I/2" BL HORIZON
		RFD COO	UNG UNIT CA	PACITIES	ARF AT 9	5°FDBA		AT.								URFAC
	2 PROVI	DE (3)	ON GENERATO	REQUAL	TO GLOBA	L PLASM	A SOLUTIO	DNS								CORE B EXCEED
	GPS-I (3) PROVI	FC48-A	C MOUNTED IN 	i fan seo Moke det	TION OF U	INIT. 1 DIV. 20	3), WIRED	TO SHUT								PRICE S
		UNIT U SHALL H	PON DETECTIC AVE DEMAND	N OF SM	JKE. SEÈ I	PLANS F	ÓR LOCATI DAMPER S	ON. HALL						NOTES:		_
	MODUL OA CF	LATE DU TM SHAL	RING OCCUPIE L BE 410.	D TIME B	ASED ON S	SPACE C	02 SENSO	R. BASE						1. PROVID 2. E=EXH	DE ALUMINUM DEVICES (INCLUI IAUST AIR; R=RETURN AIR;	JING DAMPERS
	L													3. PROVID 4. ALL DE	DE FULL-FACE DEVICES ONLY; EVICES SHALL BE FACTORY P/	PANEL-MOUN
														5. ALL OF	PPOSED BLADE DAMPERS SHA FILING-MOUNTED SUPPLY DIFF	LL BE FACTOR
					1-513						DESIGN			NOTED	OTHERWISE.	
RK		NOM. TONS						CFM	TYPE	MITSUBISHI				8. SEE SF	PECIFICATIONS FOR ADDITIONA	L REQUIREMEN
,		3/4	24.6 6.7	9.0 80	67	10.9	12.8	235 HIC	SH SIDEWALL	INDOOR(1) MSZ-GLO9NA	OUTDOOR MUZ-GLO9NA	A				
		PACITIES	ARE AT 95	DB AMB	IENT OAT.											
E HI E IN'	EATING & CO TERFACE TO	OP IS A ALLOW	CONTROL OF	UNITS	JRE.											
TING	CONTROLS.															
Γ						FA	N SC	HEDULE								
F				FAN	DATA			CONTROL	EAN		BASIS O	F DESIGN				
	MARN		CFM E.S.P. IN.WC.	MAX SONES	WATTS	RPM	DRIVE	CONTROL			GREENHE	ECK U.N.O.				
	EF—1 EF—2		1000.251000.25	1.0 1.0	128 128	708 708	DIRECT DIRECT	LIGHTING LIGHTING	CEILING EXH	AUST FAN AUST FAN	SP-B150 SP-B150					
															ſ	
		IDE OF	TIONAL, S	URFACE												
	MOUN	TED, E	XTERNAL-	TYPE,						-INSULATION	(AS REQ'D)				Сон	
	EQUIV	ALENT	PRODUCT) COND	ENSATE				u /	/ SEE PIPING DETAIL	PROTECTION	П				
	PUMP HEAD	. 1.2 . 230v	GPH @ 20	D' DISCI MOUN	HARGE					N	OTE: TO BE	USED				
\	BRACI	KET &	COVER.	WIRE T	HRU			æ		A	ND INCLUDIN	ig 4"			UNION -	
	UNIT.															L 4.
													/			
	——HIGH–	-SIDEW	ALL FAN-	COIL UI	NIT.			<u>CLEV</u> FOR C	<u>'IS HANGI</u> jld pipe	<u>ER</u>		<u>SPLIT RING</u>	HANGER		NOTE: APPLIES TO) ALL COOLING
		T IN S	STRICT CON		E WITH					, H	ANGER ROD	(TYP) —			CONDENS	ATE DR
										P	ROVIDE CLEV	ns			NO SCALE	
	<u>ALL</u> F RUN I	PIPING INSIDE	AND WIRIN	IG SHA BICATE[L BE				,	В	ARE PIPE -			`` "		
		ED. SI	HEET META	L ENCL	OSURE,					FOR INSU						
	CEILIN	IG FOF	ROUTING	(SEE	JUVL					DETAILS	(TYP)					ſ
1	DRAW	INGS F	OR CONTI	NUATIO	۱.).											Ì
	— HARD	-WIRE	D, WALL-N	IOUNTE	D			- ÷						V		9
	CONT	ROLLE	R/THERMO	STAT. 4	'-0" A.I	F.F.		Ē				Ϋ		Т	FILTER DRYER (FIEL	D W FOR
]	WO ROD	ROLLER I	HANGER		<u>GANG</u>	HANGE	<u>R</u>	HEAT PUMP APPLIC	ATIONS —
	— CMU	WALL					F	PIPING S	SUPPOF	RT DFT	AILS					
\	-	_	- • •	- -			N	IO SCALE							RISERS FOR MULTIP	LE COMPRESS
5)	<u>STEM</u>	I HI	<u>GH-S</u>	DEW	ALL										CONDENSING UNITS EVAPORATOR COILS	LOCATED ABO
(CMU	WAL	L							I					IN MANUFACTURER'S	S DATA
									<u>HOT</u> PIPING			SULATION (AS				
									<u> </u>			EQUIRED				RL
																Y
		<u>N</u>	<u>OTE:</u>									ANGER MAY TOUCH	I PIPE.		DX COIL	<u>CONNEC</u>
		LO AS	CATE GAS PIF	PING SO CK								TANGERS IN CONTAC COPPER PIPE SHALL	CT W/ BE		NO SCALE	
<u>45 ι</u>			IT ACCESS P	ANELS								NSERTS.	OFFER			
		1							<u>COLD</u>		=lip∍ _					
									<u> PIPING</u>		R	EQUIRED)			INSULATED (1-1/2" RICID	
		1		004							V				FIBERGLASS) SIDE ENTRY R BOX PERMANENTLY ATTACH	OOF
		1-164	- UAS U	2											ROOF CURB. SIZE AS REQU FOR UTILITIES. ALL SEAMS	
FO	۲ ۲		₩ <u></u>								<u>~</u> 14	4 GAUGE SHIELD			WELDED WITH FULL MITERED CORNERS, PROVIDE PRESSU TREATED WOOD NAMED STE	RE
MINI WS	MUM				.IN				NOTES: 1. VAPOR B	ARRIER TO BE	CONTINUOUS	S AT ALL JOINTS			INCALLY WOOD INAILER STR	
LO		Z		UN KU	л ⁻				2. DETAIL SI	MILAR FOR PIF	PES SUPPORT	TED FROM WALLS.			12" HIGH INSULATED ROOF CURB	/
VE																
<u>C(</u>	<u>DNN. T</u>	<u>0</u> G	<u>AS UNI</u>	<u>T</u>					_AILD	FIFING	PROIF	CTION DE	IAILS			
								NU SCAL	-						SIDE EN	TRY RO







եր OOF PIPE CURB DETAIL

NO SCALE

READJUST TO NEW AIR QUANTITY

Rxxx





2 HVAC ROOF PLAN M1.1 1/8" = 1'-0"



M1.1 1/8" = 1'-0"



- (2) REMOVE OR ABANDON ALL EXISTING GAS PIPING INSIDE BUILDING. REMOVE EXISTING INTAKE LOUVER. PATCH OPENING TO MATCH EXISTING.
- REMOVE OR ABANDON EXISTING GAS BELOW GRADE PAST POINT OF NEW CONNECTION.
- (19) CONNECT TO UNIT WITH UNION, GAS COCK, AND DIRT LEG, SEE SHEET M1.0 FOR DETAIL.
- (B) CONNECT NEW 1-1/4"G AT METER AND ROUTE ON LOW ROOF TO NEW UNIT.
- 1"D ROUTE TO EXTERIOR WALL AND TIE-INTO NEAREST DOWNSPOUT.
- (6) 3/4"D ROUTE TO EXTERIOR WALL AND TIE-INTO NEAREST DOWNSPOUT.
- NEW CEILING EXHAUST FAN. PROVIDE NEW 8" ROUND EXH. DUCT UP THRU ROOF WITH CAP. IF THERE IS AN EXISTING GRAVITY ROOF VENT, 8"Ø MAY BE CONNECTED TO EXISTING.
- REF. LINES UP TIGHT TO WALL. PROVIDE LINESET COVER AND PAINT TO MATCH EXISTING WALL.
- NEW DUCTLESS SPLIT-SYSTEM OUTDOOR HEAT PUMP. PROVIDE WALL BRACKET AND MOUNT ON EXTERIOR WALL.
- REMOVE EXISTING ABANDONED FLUE. PATCH ROOF TO MATCH EXISTING.
- REMOVE EXISTING GAS UNIT HEATER, CONTROLS, AND FLUE. PATCH ROOF TO MATCH EXISTING.
- 1"D THRU EXTERIOR WALL. ROUTE AND TIE-INTO NEAREST DOWNSPOUT.
- 8 NOT USED. 9 NOT USED.
- NEW DUCTLESS SPLIT-SYSTEM HIGH SIDEWALL INDOOR UNIT. SEE THIS SHEET FOR DETAIL.
- (6) REMOVE EXISTING EXHAUST FAN. OPENING TO BE UTILIZED FOR NEW DUCT PENETRATION. PATCH UNUSED PORTION TO MATCH EXISTING.
- ALL EXPOSED DUCTWORK TO BE INTERNALLY LINED WITH EXTERNAL DUCT CLADDING. SEE SPECIFICATIONS.
- (4) R-1 RETURN GRILLE. BOTTOM OF GRILLE ±20" ABOVE LOW ROOF.
- (3) TRANSITION FLAT ON BOTTOM FROM UNIT RA INTAKE TO 48×48 RETURN GRILLE.. FLASH AND COUNTERFLASH DUCT PENETRATION.
- 1 NEW 25-TON PACKAGED GAS/ELECTRIC ROOFTOP UNIT. MOUNT ON LOW ROOF ON NEW ROOF CURB. ② 34x34 INTERNALLY LINED SA DUCT RISE TIGHT TO WALL. UTILIZE EXISTING EXHAUST FAN OPENING FOR NEW PENETRATION. PATCH UNUSED PORTION TO MATCH EXISTING.
- KEY NOTES:









SUBMITTING HIS PROPOSAL FOR WORK.

REPLACED EQUIPMENT.

GENERAL ELECTRICAL NOTES

A. CONTRACTOR PROPOSING TO UNDERTAKE WORK UNDER THIS DIVISION SHALL VISIT THE SITE OF THE WORK AND FULLY INFORM THEMSELVES OF ALL CONDITIONS THAT EFFECT THE WORK OR COST THEREOF, AND EXAMINE THE DRAWINGS AS RELATED TO THE SITE CONDITIONS, PRIOR TO

B. CONSIDERATION WILL NOT BE GRANTED FOR ANY ALLEGED MISUNDERSTANDING OF THE AMOUNT OF WORK TO BE PERFORMED. TENDER OF PROPOSAL SHALL CONVEY FULL AGREEMENT TO THE ITEMS AND CONDITIONS INDICATED ON THE DRAWINGS. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO THE INTENT THEREOF, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ENGINEER AND/OR OUNER'S REPRESENTATIVE PRIOR TO SUBMITTING HIS PROPOSAL FOR WORK.

C. CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ALL EXISTING TO BE REMOVED HVAC EQUIPMENT. ALL ASSOCIATED ELECTRICAL SHALL BE REMOVED, INCLUDING CONDUIT. ASSOCIATED BREAKERS SHALL BE IN THE "OFF" POSITION AND LABELED "SPARE". THIS DOES NOT APPLY TO

SYMBOL LEGEND										
	MOUNTING HEIGHT IS FROM FINISHED FLOOR TO CENTERLINE OF DEVICE OR OUTLET. HEIGHT MAY VARY TO COINCIDE WITH BUILDING CONSTRUCTION.									
SYMBOL	DESCRIPTION	HEIGHT								
0	DOWNLIGHT	40								
-0	LIGHT FIXTURE - WALL MOUNTED	NOTED								
	2' X 4' LIGHT FIXTURE									
	2' × 4' LIGHT FIXTURE ON EMERGENCY CIRCUIT									
	I' × 4' LIGHT FIXTURE									
	I' × 4' LIGHT FIXTURE ON EMERGENCY CIRCUIT									
8	EXIT SIGN - CEILING MOUNTED DARKENED SECTION(6) OF SYMBOLS INDICATE FACES OF FIXTURE									
-🛛	EXIT SIGN - WALL MOUNTED DARKENED SECTION(S) OF SYMBOLS INDICATE FACES OF FIXTURE									
•	EXIT SIGN - CEILING MOUNTED DARKENED SECTION(S) OF SYMBOLS INDICATE FACES OF FIXTURE									
-3	EXIT SIGN - WALL MOUNTED DARKENED SECTION(S) OF SYMBOLS INDICATE FACES OF FIXTURE									
S ^K ³	KEY OPERATED THREE-WAY SWITCH									
S	S.P.S.T. LIGHT SWITCH									
μM	WALL MOUNTED SENSOR SWITCH, DUAL TECHNOLOGY									
 M	LOW VOLTAGE DUAL TECHNOLOGY 360 DEGREE CEILING MOUNTED									
	LOW VOLTAGE DUAL TECHNOLOGY 360 DEGREE SURFACE MOUNTED,									
	INDOOR, OCCUPANCY SENSOR FOR AREAS WHERE MOUNTING HEIGHT IS 12'-0"AFF OR HIGHER (HUBBELL # USP-SM-24V SENSOR, USP-L360-WH LENS,									
P	POWER PACK INSTALLED ABOVE CEILING									
	(HUDBELL * UVPP, BASIS OF DESIGN) 0-10 VOLT SLIDE DIMMER WITH ON/OFF SWITCH (INCLUDE POWER PACK IF	48"								
ل م	LOAD EXCEEDS RATING OF DIMMER)	48"								
 		48"								
<u> </u>		48"								
5		10								
The second se		10"								
	DUPLEX RECEPTACLE OUTLET (TAMPER PROOF)	18"								
₽U	DUPLEX RECEPTACLE OUTLET WITH 2 USB PORTS (TAMPER PROOF)	18"								
•	QUAD RECEPTACLE OUTLET (TAMPER PROOF)	18"								
	DUPLEX RECEPTACLE MOUNTED 6" ABOVE BACKSPLASH (TAMPER PROOF)									
	JUNCTION BOX W/COVERPLATE - ABOVE CEILING									
HO	JUNCTION BOX W/COVERPLATE - WALL MOUNTED									
I _ D ~	I'C. BELOW SLAB TO ACCOMMODATE DATA CARLES									
H	SPECIAL OUTLET (AS NOTED)									
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V									
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V									
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED									
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER									
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER	 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM	 48"								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM	 48"								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET	 48" 18"								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM	 48" 18" 18" 245 NOTED								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WICROPHONE OUTLET MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM FIRE ALARM PULL STATION	 48" 18" 18" 245 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE)	 48" 18" 18" 245 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM STROBE (WHITE)	 48" 18" 18" 18" 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM STROBE (WHITE) CEILING MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE)	 48" 18" 18" 18" 18" 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED)(WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE)	 48" 48" 18" 18" 18" 18" 18" 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK)	 48" 18" 18" 18" 18" -								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH 1°C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH 1°C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4″×4″ JUNCTION BOX WITH 1 1/2″C. STUBBED INTO ACCESSIBLE PLENUM FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED	 48" 18" 18" 18" 45 NOTED 								
	9PECIAL OUTLET (A\$ NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET MOTOR OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED	 48" 48" 18" 18" 45 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH 1"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM PULL STATION FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED HEAT DETECTOR	 48" 18" 18" 46 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH I 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM STROBE (CEILING MOUNTED XWHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED HEAT DETECTOR SPRINKLER FLOW SWITCH	 48" 48" 18" 18" 45 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - RUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"X4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM STROBE (CEILING MOUNTED XWHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED HEAT DETECTOR SPRINKLER FLOW SWITCH	 48" 48" 18" 48" 18" 43 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM, FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED XWHITE) WALL MOUNTED FIRE ALARM STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED POOP HOLD DEV/CE (WALL MOUNTED)	 48" 48" 18" 48 NOTED 								
	SPECIAL OUTLET (AS NOTED) SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 11/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM PULL STATION FIRE ALARM PULL STATION FIRE ALARM STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / STROBE (WHITE) SMOKE DETECTOR - DUCT MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED SMOKE DETECTOR - DUCT MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR SWITCH SPRINKLER FLOW SWITCH SPRINKLER TAMPER SWITCH DOOR HOLD DEVICE (WALL MOUNTED)	 48" 48" 18" 48" 18" 45 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"X4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM FULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / STROBE (WHITE) SMOKE DETECTOR - DUCT MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED SMOKE DETECTOR - DUCT MOUNTED SMOKE DETECTOR SPRINKLER TAMPER SWITCH DOOR HOLD DEVICE (WALL MOUNTED) DOOR HOLD DEVICE (FLOOR MOUNTED)	 48" 48" 								
	SPECIAL QUILET (AS NOTED) SPECIAL QUILET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOUER RATED MOTOR - FRACTIONAL HORSEPOUER RATED MOTOR - NUMERAL INDICATES HORSEPOUER TELEPHONE OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM PULL STATION FIRE ALARM PULL STATION FIRE ALARM STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED HEAT DETECTOR SPRINKLER TAMPER SWITCH DOOR HOLD DEVICE (WALL MOUNTED) PRESSURE SWITCH	 48" 48" 18" 45 NOTED 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I"C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VIGUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED HEAT DETECTOR SPRINKLER FLOW SWITCH DOOR HOLD DEVICE (WALL MOUNTED) PRESSURE SWITCH DOOR HOLD DEVICE (FLOOR MOUNTED) PRESSURE SWITCH	 48" 48" 18" 48" 18" 45 NOTED -								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4''x4'' JUNCTION BOX WITH 1 1/2''C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM STROBE (CELLING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CELLING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - CELLING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - CELLING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED HEAT DETECTOR SPRINKLER TAMPER SWITCH DOOR HOLD DEVICE (WALL MOUNTED) PRESSURE SWITCH CONDUIT CONCEALED IN WALLS, ABOVE CELING, OR EXPOSED WHERE NO CELING CONDUIT CONCEALED IN SLAB, IN GROUND, OR UNDERFLOOR	 48" 48" 18" 48" 18" 45 NOTED -								
	SPECIAL QUILET (AS NOTED) PANELBOARD 400V PANELBOARD 400V PANELBOARD 240V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE QUILET AUDIO VISUAL QUILET, 4"x4" JUNCTION BOX WITH 1 1/2"C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM PULL STATION FIRE ALARM PULL STATION FIRE ALARM STROBE (CEILING MOUNTED/WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK) SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED SMOKE DETECTOR - DUCT MOUNTED HEAT DETECTOR SPRINKLER FLOW SWITCH DOOR HOLD DEVICE (WALL MOUNTED) PRESSURE SWITCH CONDUIT CONCEALED IN WALLS, ABOVE CEILING OR UNDERFLOOR WEATHER PROOF	 48" 48" 								
	SPECIAL OUTLET (AS NOTED) PANELBOARD 480V PANELBOARD 240V PANELBOARD 24	 48" 48" 								
	SPECIAL OUTLET (A6 NOTED) PANELBOARD 480V PANELBOARD 240V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOUER RATED MOTOR - RRACTIONAL HORSEPOUER RATED MOTOR - NUMERAL INDICATES HORSEPOUER TELEPHONE OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I'C. STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET AUDIO VISUAL OUTLET, 4*X4* JUNCTION BOX WITH 11/2*C. STUBBED INTO ACCESSIBLE PLENUM. FIRE ALARM STROBE (CEILING MOUNTED XWITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / STROBE (WHITE) MOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED SPRINKLER FLOW SWITCH SPRINKLER TAMPER SWITCH DOOR HOLD DEVICE (WALL MOUNTED) PROOF HOLD DEVICE (FLOOR MOUNTED) PRESSURE SWITCH CONDUIT CONCEALED IN WALLS, ABOVE CEILING, OR EXPOSED WHERE NO CEILING CONDUIT CONCEALED IN SLAB, IN GROUND, OR UNDERFLOOR WEATHER PROOF GROUND FAULT INTERRUPT UNLESS NOTED OTHERWISE	 								
	SPECIAL OUTLET (AS NOTED) SPECIAL OUTLET (AS NOTED) PANELBOARD 240V PANELBOARD 240V PANELBOARD 240V PANELBOARD 240V DISCONNECT SWITCH - HORSEPOWER RATED MOTOR - FRACTIONAL HORSEPOWER RATED MOTOR - NUMERAL INDICATES HORSEPOWER TELEPHONE OUTLET WITH I'C, STUBBED INTO ACCESSIBLE PLENUM DATA OUTLET WITH I'C, STUBBED INTO ACCESSIBLE PLENUM MICROPHONE OUTLET MICROPHONE OUTLET MICROPHONE OUTLET ADDIO YSUAL OUTLET, 4'Y44' JUNCTION BOX WITH 11/2'C, STUBBED INTO ACCESSIBLE PLENUM, FIRE ALARM STROBE (CEILING MOUNTED XWITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE) WEATHER PROOF FIRE ALARM SPEAKER / STROBE (WHITE) POOR HOLD DEVICE (WALL MOUNTED OR SURFACE MOUNTED POOR HOLD DEVICE (FLOOR MOUNTED) PRESSURE SWITCH CONDULT CONCEALED IN WALLS, ABOVE CEILING, OR EXPOSED WHERE NO CEILING GROUNT FOUNTED AUTOR OR UNDERFLOOR WEATHER PROOF GROUNTED OTHERWISE NOTED OTHERWISE NON FUSED	 48" 48" 								

RISER LEGEND

- (1) 4 #500 MCM 3"C.
- 2) 4 #500 MCM \$ 1 #3 GROUND 3"C. (3) 4 #3/Ø \$ 1 #6 GROUND - 1 1/2"C.
- (4) CURRENT TECHNOLOGY #TG3-100-208-3Y-MN-T-MI
- LIGHTNING/SURGE PROTECTION. (BASIS OF DESIGN)
- (5) EXTEND 1 #1/0 GROUND 3/4"C. AND CONNECT TO GROUND RODS, BUILDING STEEL, COLD WATER PIPE, AND STRUCTURAL REBAR.
- (6) EXTEND 3"C. TO UTILITY POLE ACCOMMODATING NEW TRANSFORMER BANK. COORDINATE EXACT LOCATION OF UTILITY POLE WITH GEORGIA POWER COMPANY. PROPER DRIVE REPAIR SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- (1) 400A/3P/SN/WP DISCONNECT FUSED AT 400A.

NOTE: GROUND CONDUCTOR IS NOT SHOWN, BUT IS ASSUMED, AND SHALL BE NEUTRAL INSTALLED.

___HOT









ROOF PLAN - ELECTRICAL

	MECHAN	IICA	L	EQ	uipt	MEN		ELECTRICAL CONNECTION SCHEDULE						
ITEM		EQU	IPME	ENT CHA	RACTERI	STICS			1	0190		SWITCH		
NO.	DESCRIPTION	VOLTS	PH	κw	ЦP	FLA		FEEDER	SIZE	ΡH	FUSE	FEATURES		
	RTU-1	2Ø8	3			128.9	А-3,5,7 175А/3Р	3#2/0 \$ 1#6 GROUND - 2"C.	200	з	NF	ΨP		
$\langle 2 \rangle$	нр-1	2Ø8	1			8.Ø	A-15,17	2#12 \$ 1#12 GROUND - 1/2"C.	3Ø	2	NF	Ψ₽		
3	AC-1	2Ø8	1			1.Ø	15A/2P	3#12 \$ 1#12 GROUND - 1/2"C.	3Ø	3	NF		SERVE INDOOR UNIT FROM OUTDOOR UNIT.	
$\langle 4 \rangle$	HP-2	2Ø8	1			8.0	A-19,21	2#12 \$ 1#12 GROUND - 1/2"C.	3Ø	2	NF	WP		
5	AC-2	2Ø8	1			1.Ø	15A/2P	3#12 \$ 1#12 GROUND - 1/2"C.	30	3	NF		SERVE INDOOR UNIT FROM OUTDOOR UNIT.	
6	HP-3	2Ø8	1			8.0	A-23,25	2#12 \$ 1#12 GROUND - 1/2"C.	30	2	NF	WP		
(7)	AC-3	2Ø8	1			1.Ø	15A/2P	3#12 \$ 1#12 GROUND - 1/2"C.	30	3	NF		SERVE INDOOR UNIT FROM OUTDOOR UNIT.	
8	HP-4	2Ø8	1			8.0	A-27,29	2#12 \$ 1#12 GROUND - 1/2"C.	30	2	NF	ΨP		
e	AC-4	2Ø8	1			1.Ø	15A/2P	3#12 ∉ 1#12 GROUND - 1/2"C.	3Ø	3	NF		SERVE INDOOR UNIT FROM OUTDOOR UNIT.	
	HP-5	2Ø8	1			8.0	A-31,33	2#10 \$ 1#10 GROUND - 1/2"C.	3Ø	2	NF	WP		
	АС-5	2Ø8	1			1.Ø	15A/2P	3#10 \$ 1#10 GROUND - 1/2"C.	3Ø	3	NF		SERVE INDOOR UNIT FROM OUTDOOR UNIT.	
(12)	HP-6	2Ø8	1			8.Ø	A-35,37	2#10 \$ 1#10 GROUND - 1/2"C.	3Ø	2	NF	ΨP		
(13)	AC-6	2Ø8	1			1.Ø	15A/2P	3#10 \$ 1#10 GROUND - 1/2"C.	3Ø	з	NF		SERVE INDOOR UNIT FROM OUTDOOR UNIT.	
$\langle 14 \rangle$	HP-1	2Ø8	1			8.Ø	A-39,41	2#10 \$ 1#10 GROUND - 1/2"C.	3Ø	2	NF	WP		
(15)	AC-1	2Ø8	1			1.Ø	15A/2P	3#10 \$ 1#10 GROUND - 1/2"C.	3Ø	3	NF		SERVE INDOOR UNIT FROM OUTDOOR UNIT.	
	EF-1	12Ø	1	Ø.13			CONTROLLED BY LIGHTING CKT.	2#12 \$ 1#12 GROUND - 1/2"C.		-		MANUAL Starter		
	EF-2	12Ø	1	Ø.13			CONTROLLED BY LIGHTING CKT.	2#12 \$ 1#12 GROUND - 1/2"C.		-		MANUAL Starter		

ELECTRICAL NOTES

I. REMOVE EXISTING WIRING AND DISCONNECT SERVING EXISTING TO BE REMOVED GAS UNIT HEATER. LABEL BREAKER AS A "SPARE" AND LEAVE IN "OFF" POSITION.

2. REMOVE EXISTING WIRING AND DISCONNECT SERVING EXISTING TO BE REMOVED SIDE WALL EXHAUST FAN. LABEL BREAKER AS A "SPARE" AND LEAVE IN "OFF" POSITION.

3. EXTEND AND CONNECT TO NEAREST EXISTING RECEPTACLE CIRCUIT.

4. NEW DUCT MOUNTED SMOKE DETECTOR SHALL BE FURNISHED BY DIVISION 26, INSTALLED BY DIVISION 23, AND WIRED BY DIVISION 26. NEW DUCT DETECTOR SHALL BE OF THE SAME MANUFACTURER AS EXISTING FIRE ALARM CONTROL PANEL. THIS CONTRACTOR IS RESPONSIBLE FOR PROPER INTEGRATION OF NEW DUCT MOUNTED SMOKE DETECTOR WITH EXISTING FIRE ALARM CONTROL PANEL, INCLUDING PROGRAMMING.

5. NEW CARBON MONOXIDE DETECTOR SHALL BE OF THE SAME MANUFACTURER AS EXISTING FIRE ALARM CONTROL PANEL. THIS CONTRACTOR IS RESPONSIBLE FOR PROPER INTEGRATION OF NEW CARBON MONOXIDE DETECTOR WITH EXISTING FIRE ALARM CONTROL PANEL, INCLUDING PROGRAMMING.



