

SALZEDO SALON 2725 SALZEDO ST., CORAL GABLES, FL 33134

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Miami, 786.615 AA2600 IB2600		RE THE COPIED
	URVAINA, INC.	
Ν	SEAL Y PROFESSIONAL JUDGEMENT AND TO THE MY KNOWLEDGE AND BELIEF, THE PLANS AND IFICATIONS CONTAINED HEREIN COMPLY V APPLICABLE BUILDING CODES.	ND
SA	LZEDO SAL	.ON
	2725 Salzedo St. Coral Gables, FL 3313 <u>JIAN WU</u>	4
	PERMIT SET	
REVIS		Date
COV	ER SHEET	
SHEET TIT		
DRAWN BY	03.05.2021 <u>7 S.D.</u> _{9 BY} C.J.B. 21	NUMBER 01
SHEET	A-000	

AUTOAUTOMATICCTSKAVAUDIOVISUALCWBDBDBOARDDBITBITUMINOUSDBLBLDGBUILDINGDEGBLKBLOCKDEMBLKGBLOCKINGDEMBMBEAMDEPTBOBOTTOM OFDFBOTBOTTOMDIABRGBEARINGDIFFBRKBRICKDIMBRKTBRACKETDIMSBSMNTBASEMENTDISPCDIVDCATCATEGORYDOCBCATCH BASINDRCBCEMENT BOARDDRNCBUCEMENTITIOUS BACKER UNITDSCCCENTER TO CENTERDSCCTVCLOSED CIRCUIT TELEVISIONDTLCEMCERENTDWGCGCOBNER GUARDDWGCGCOBNER GUARDDWG	ACT AD ADJ AFF AFG AGGR ALT ALUM ANOD APC APPROX ARCH ASPH ATTN AUTO AV B BD BIT BLDG BLK BLKG BLK BLKG BM BO BOT BRG BRK BRKT BSMNT C C CAB CAT CB CBU CC CCTV CEM CER	AUDIOVISUAL BOARD BITUMINOUS BUILDING BLOCK BLOCKING BEAM BOTTOM OF BOTTOM OF BOTTOM BEARING BRICK BRACKET BASEMENT CHANNEL CABINET CATEGORY CATCH BASIN CEMENT BOARD CEMENT BOARD CEMENTITIOUS BACKER UNIT CENTER TO CENTER CLOSED CIRCUIT TELEVISION CEMENT CERAMIC	CW D D DBL DEG DEW DEW DEW DF DIA DIF DIA DIF DIA DISF DIV DMF DN DO DR DN DO DR DR DR DV DW DW	
	CER CG	CERAMIC CORNER GUARD	DWC	

CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
СО	CLEANOUT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	
COORD	
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTSK CW	COUNTERSUNK COLD WATER
D	COLD WATER
D	DEEP, DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	
DEMO	
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIMS	DIMENSIONS
DISP	DISPENSER
DIV	DIVISION
DMPF	DAMP PROOFING
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DRN	DRAIN
DS	DOWNSPOUT
DS	DOWN SPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING DRAWER
DWR	

	EAGH
EA	EACH
EB	EXPANSION BOLT
	EXPANSION JOINT
	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER
EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
	EXPANSION
EXT	EXTERIOR
F	
FA	FIRE ALARM
FB	FACE BRICK
FD	FLOOR DRAIN
FD	FLOOR DRAIN OR FIRE DEPARTMENT
FDC	
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURES AND
TIQL	EQUIPMENT
FFB	FLUSH FLOOR BOX
FFEL	FINISH FLOOR ELEVATION
FH	FLAT HEAD
FHC	
	FINISH
	FIXTURE
	FLASHING
	FLOOR
FLUOR	
FND	FOUNDATION
FO	FACE OF
FO FP	FIRE PROTECTION
FPG	FIREPROOFING
FR	
FRC	FIBER REINFORCED CONCRETE
FRT	FIRE RETARDANT TREATED
FT	FEET/FOOT
FTG	FOOTING
FURN	
FURR	FURRING

EAST

FWC	FABRIC WALL COVERING
FWP	FABRIC WRAPPED PANEL
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS
GLAZ	GLAZING
GRAN	GRANULAR
GRD	GROUND
GRFG	GLASS FIBER REINFORCED GYPSUM
GSM	GALVANIZED SHEET METAL
GV	GAS VALVE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
Н	
Н	HIGH/HEIGHT
HB	HOSE BIB
HB	HOSE BIBB
HC	HANDICAPPED
HDWD	HARDWOOD
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HRC	HOSE REEL CABINET
HTG	HEATING
HVAC	HEATING VENTILATION AND AIR
IIVAO	CONDITIONING
HW	HOT WATER
1	
' ID	INSIDE DIAMETER
IN	INCH/INCHES
INCAND	
INCL	INCLUDED/INCLUDING
INFO	INFORMATION
INSUL	INSULATION
INSUL	INSULATED OR INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
J	
JAN	JANITOR

EWC FABRIC WALL COVERING

10	
JC	JANITOR'S CLOSET
JST	JOIST
JT K	JOINT
KIT	KITCHEN
KO	KNOCK OUT
	KNOCK OUT
L LAM	LAMINATE
LAV LB	POUNDS
LLH	LONG LEG HORIZONTAL
LLN	LONG LEG VERTICAL
LLV LT	LIGHT
M	LIGHT
MAS	MASONRY
MAX	MASONAT
MECH	MECHANICAL
MED	MEDIUM
	MEMBRANE
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
Ν	
Ν	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NON	NON COMBUSTIBLE
COMB	
NTS	NOT TO SCALE
0	
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR
	INSTALLED
OFF	
OFOI	OWNER FURNISHED, OWNER INSTALLED
ОН	OVERHEAD
011	

ORD P	OVERFLOW ROOF DRAIN
Р	PAINT
	PAVING
	PARTICLE BOARD PRECAST
	POWER DRIVEN FASTENER
	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PI.	PLATE
PLAM	PLASTIC LAMINATE
	PLASTER
	PLUMBING
PLF	POUNDS PER LINEAR FOOT
	PLYWOOD
PNL PNT	PANEL PAINT OR PAINTED
	POLISHED
	PAIR
	PREFABRICATED
	PROJECT
PSF	POUNDS PER SQUARE FOOT
PT	POINT
PT	PRESSURE TREATED
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY TILE
QTY	QUANTITY
R R	RADIUS/RISER
n RA	RETURN AIR
RAD	RADIUS
RB	RESILIENT BASE
RBR	RUBBER
	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
RECPT	RECEPTACLE
REF	REFERENCE
	REFRIGERATOR
REG	REGISTER
	REINFORCED REINFORCING
	REINFORCED
REL	RELOCATE

OPNG OPENING

OPPOSITE

OPP

6. GENERAL CONSTRUCTION METHODS, PROCEDURES, AND SEQUENCES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL THEREFORE TAKE THE NECESSARY PRECAUTIONS TO PROTECT PROPERTY, FURNISHINGS, AND EQUIPMENT IN AREAS WHERE THE WORK IS BEING DONE, AND SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED TO EXISTING SPACES, FURNISHINGS, AND EQUIPMENT DUE TO THE CONSTRUCTION OPERATIONS.

8. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ALSO CONTACT THE UTILITY COMPANIES PRIOR TO ANY EXCAVATIONS FOR UTILITY LOCATIONS AND INFORMATION. THE OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR ANY DAMAGES TO UTILITY LINES. ANY UTILITY LINES OR EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AT NO COST TO THE OWNER.

9. AFTER COMPLETION OF THE WORK THE CONTRACTOR SHALL LEAVE THE JOB SITE CLEAN AND FREE OF DEBRIS. SPLATTERS AND SMEARS SHALL BE REMOVED FROM THE SURFACES OF THE BUILDING, FURNISHINGS, AND EQUIPMENT.

10. THE CONTRACTOR SHALL COORDINATE ALL TRADES AND WORK INCLUDING THE ARCHITECTURAL, STRUCTURAL, LANDSCAPING, MECHANICAL, PLUMBING, AND ELECTRICAL CONSTRUCTION DOCUMENTS, AND SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND THE LOCATION AND SIZES OF ALL CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE CONSTRUCTION DOCUMENTS.

CABINETS.

AS FOLLOWS:

REM

REQ

REOOM

REQD RESIL REV RM RO RTD RTG RWL S SA SAF SC SCHED SD SECT SF SH SHR SHT SIM SM SM SP SPEC SPEC SPK SPKR SQ SS SSK STA STC STL STOR STRG STRUCT STRUCT SUBCAT SUSP SYM SYS T&B

T&G

GENERAL NOTES:

1. ALL WORK SHALL CONFORM WITH THE LATEST VERSION OF THE FLORIDA BUILDING CODE (FBC), OSHA. NFPA, INDUSTRY STANDARDS, MANUFACTURER'S SPECIFICATIONS, ZONING, AND ANY OTHER APPLICABLE LOCAL ORDINANCES.

2. CONTRACTOR SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS AND THE SCOPE OF THE WORK PRIOR TO CONSTRUCTION.

3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION. DO NOT SCALE THE DRAWINGS. IN THE EVENT OF CONFLICT, DISCREPANCIES, OR AMBIGUITIES IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING PRIOR TO PROCEEDING WITH THE WORK.

4. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND IN A PROFESSIONAL AND SAFE MANNER AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND BRACING TO ENSURE SAFE WORKING CONDITIONS AT ALL TIMES. ANY WORK DEEMED TO BE DEFECTIVE SHALL BE REJECTED AND SHALL BE DEMOLISHED AND RECONSTRUCTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

5. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL HOLD HARMLESS THE OWNER, ARCHITECT, AND HIS ENGINEERS/CONSULTANTS FOR ANY PERSONAL INJURY OR DAMAGE TO THE JOB AND/OR TO ADJACENT PROPERTIES, AND FOR WORK NOT PROPERLY INSPECTED.

7. ALL MATERIALS FURNISHED FOR THE WORK SHALL BE NEW AND FREE FROM DEFECTS, AND SHALL BE STORED IN SUCH MANNER TO PROTECT THEM FROM ANY DAMAGE OR THE ELEMENTS.

11. ALL PROPOSED SUBSTITUTIONS, DESIGN ALTERNATIVES, OR CHANGES BY THE CONTRACTOR SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT / ENGINEER PRIOR TO THE AWARD OF CONTRACT, OR PRIOR TO ANY PERTINENT WORK TO THE SUBSTITUTION, DESIGN ALTERNATIVE, OR CHANGE.

12. THE CONTRACTOR SHALL PAY FOR ALL APPLICABLE BOND, IMPACT, PERMIT, SHOP DRAWING REVIEW, AND RE-INSPECTION FEES AND ANY APPLICABLE TAX AND/OR SALES TAXES.

13. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS MUST HAVE PROPER EVIDENCE OF LIABILITY INSURANCE, LOCAL AND/OR STATE LICENSES UNLESS OTHERWISE NOTED.

14. THE FOLLOWING SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR DESIGN CONFORMANCE ONLY APPROVAL: ROOF TRUSSES, WROUGHT IRON BARS, KITCHEN & BATHROOM

15. <u>SOIL TREATMENT HOR TERMITES SHALL BE DONE BY A LICENSED PEST CONTROL FIRM AND SHALL BE</u> <u>APPLIED TO MEET MINIMUM REGULATIONS, TREATED AREA MUST BE COVERED AFTER APPLICATION TO</u> <u>PREVENT DISTURBANCE OF TREATMENT BY HUMAN OR ANIMAL CONTACT. A CERTIFICATE OF SOIL</u> <u>TREATMENT SHALL BE SUPPLIED TO THE BUILDING DEPARTMENT AND TO THE OWNER.</u>

16. THE FOLLOWING SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR DESIGN CONFORMANCE ONLY APPROVAL: ROOF TRUSSES, WROUGHT IRON BARS, KITCHEN & BATHROOM CABINETS, RAILINGS, EXTERIOR DOORS & WINDOWS.

17. THESE DRAWINGS ARE INSTRUMENTS OF CONSTRUCTION AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. ANY REPRODUCTIONS OF SAID DRAWINGS WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ARCHITECT IS PROHIBITED.

18. IF THE CONTRACTOR OR SUBCONTRACTORS FINDS ANY DISCREPANCIES, ERRORS, OR IF THEY NEED FURTHER CLARIFICATION, THEN A WRITTEN REQUEST SHALL BE SUBMITTED TO THE ARCHITECT.

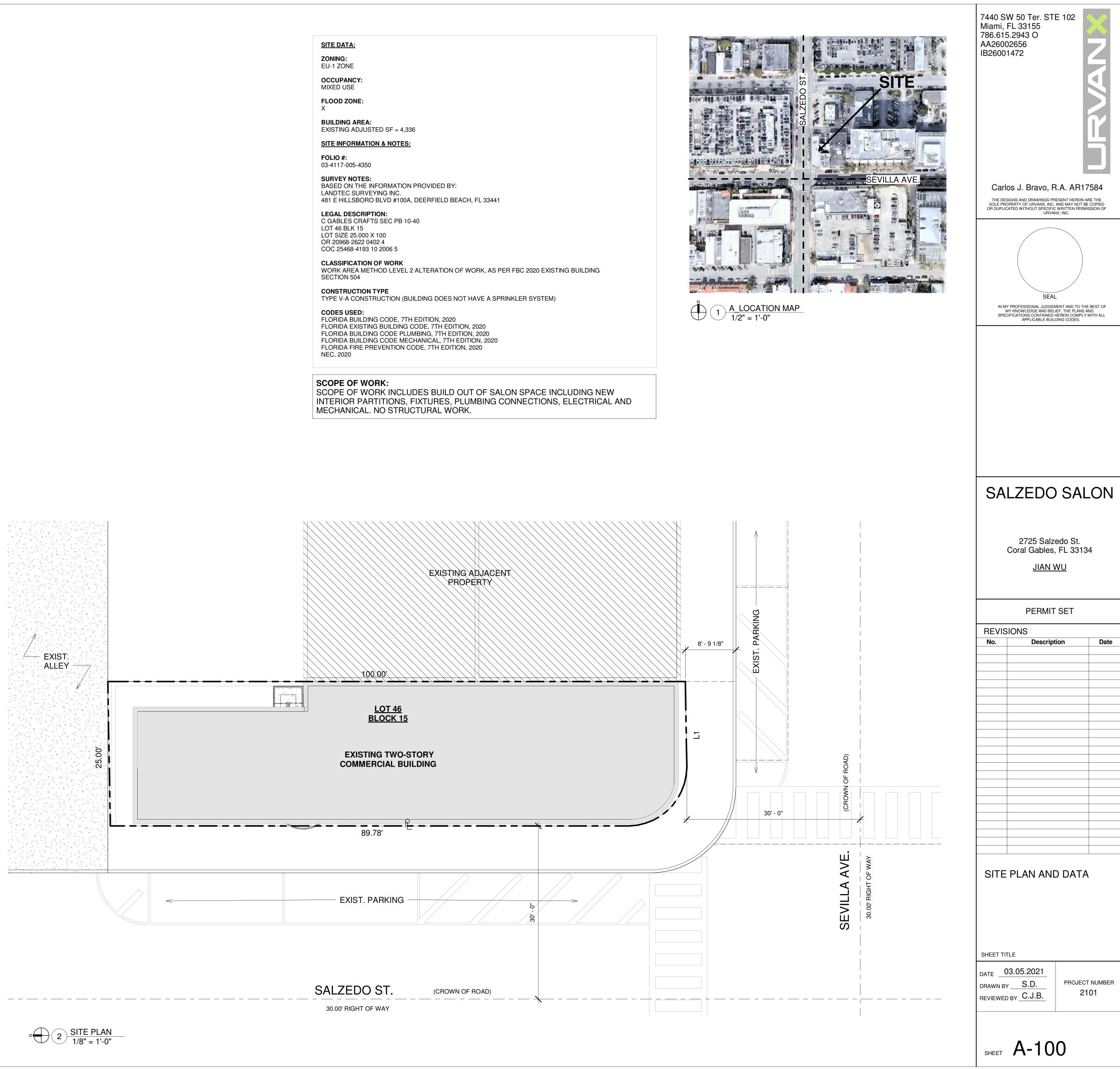
19. THE PROPOSED ENGINEERED FILL MATERIALS ARE TO BE PLACED IN LIFTS NOT EXCEEDING 8" LOOSE MEASURED THICKNESS IN UNCONFINED LIFTS OR 6" IN CONFINED AREAS, EACH LIFT IS TO BE COMPACTED

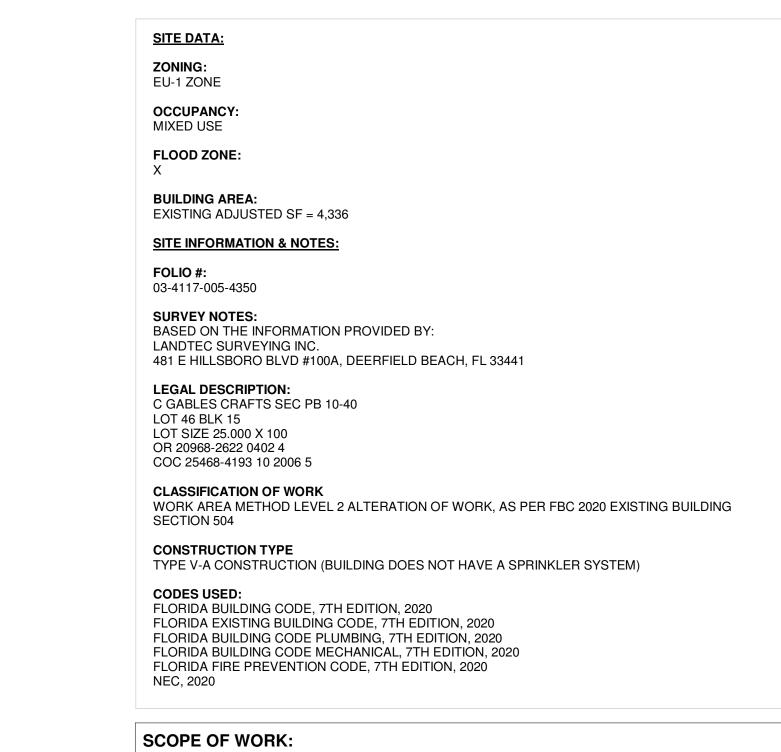
A) SLAB ON GRADE: MINIMUM OF 95% MAXIMUM DENSITY BY ASTM D557. B) FOOTING BEARING: MINIMUM OF 98% MAXIMUM DENSITY BY ASTM D557.

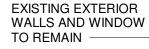
REMOVABLE RECOMMENDED REQUIRE/REQUIRED REQUIRED RESILIENT REVISION/REVISED ROOM ROUGH OPENING RATED RATING RAIN WATER LEADER	TB TEL TEMP TEMP THK THRU TKBD TLT TMPD TO TOB
SOUTH SUPPLY AIR SELF ADHERED FLASHING SOLID CORE SCHEDULE STORM DRAIN SECTION SQUARE FEET/FOOT SPRINKLER HEAD SHOWER	TOC TOS TS TV TYP U UNFIN UNO UON UON
SHEET SIMILAR SHEET METAL SURFACE MOUNTED STANDPIPE SPECIFICATION SPECIFIED OR SPECIFICATION SPRINKLER OR SPEAKER SPEAKER	V VAC VAR VCT VERT VEST VIF VP VR
SQUARE STAINLESS STEEL SERVICE SINK STATION SOUND TRANSMISSION COEFFICIENT STEEL STORAGE STRINGER	VT VWC W W W/ W/O WC WD
STRUCTURAL STRUCTURE OR STRUCTURAL SUBCATEGORY SUSPENDED SYMMETRICAL SYSTEM TREAD	WIN WM WP WSM WS WSCT WT WV
TOP AND BOTTOM TONGUE AND GROOVE	WWF WWM

TOWEL BAR TELEPHONE/TELECOM TELEPHONE MP TEMPERATURE MP TEMPORARY THICKNESS IRU THROUGH (BD TACK BOARD TOILET IPD TEMPERED TOP OF TOP OF BEAM TOP OF CONCRETE TOP OF STEEL TUBE STEEL TELEVISION YP TYPICAL NFIN UNFINISHED NO UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED RNL URINAL VENTILATION AND AIR CONDITIONING VARIES VINYL COMPOSITION TILE ERT VERTICAL VESTIBULE VERIFY IN FIELD VISION PANEL VAPOR RETARDER VINYL TILE VC VINYL WALL COVERING WIDE/WEST WITH WITHOUT WATER CLOSET WOOD WINDOW WIRE MESH WATERPROOF/WATERPROOFING PM WATERPROOF MEMBRANE WEATHER-STRIPPING SCT WAINSCOT WEIGHT WATER VALVE WF WELDED WIRE FABRIC WM WELDED WIRE MESH





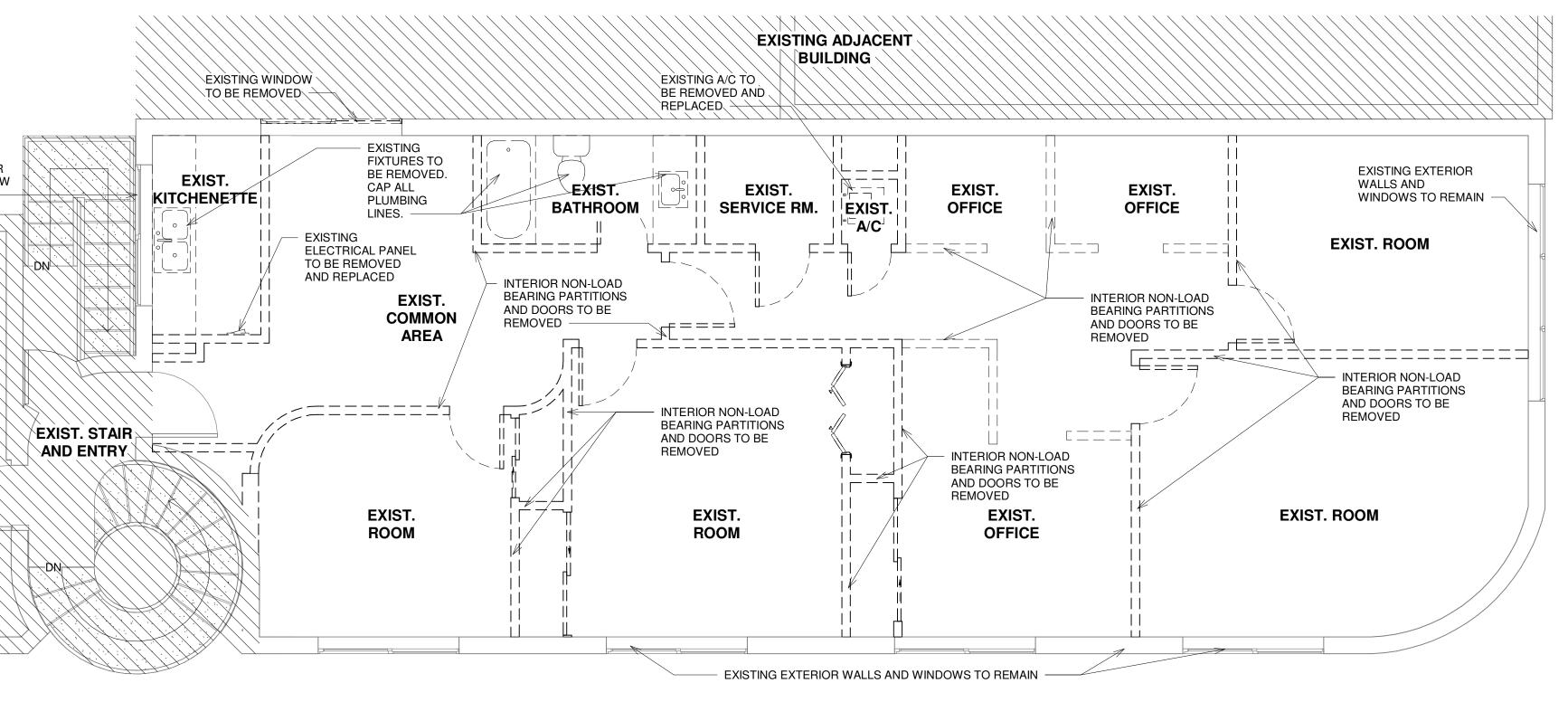


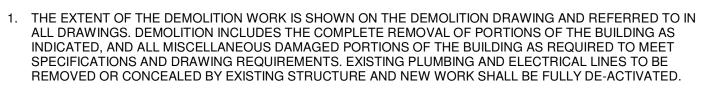


NO WORK IN THIS AREA

1 <u>DEMOLITION PLAN</u> 1/4" = 1'-0" z







2. REMOVE ALL DEMOLITION MATERIALS AND DEBRIS FROM THE CONSTRUCTION SITE.

3. ALL EXISTING EXPOSED SURFACES THAT ARE TO REMAIN IN PLACE THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AS REQUIRED TO MATCH EXISTING UNDAMAGED SURFACES.

4. ARRANGE WITH THE UTILITY COMPANIES FOR THE DISCONNECTION OF SERVICES AND REMOVAL OF FITTINGS AND EQUIPMENT BEFORE STARTING DEMOLITION WORK.

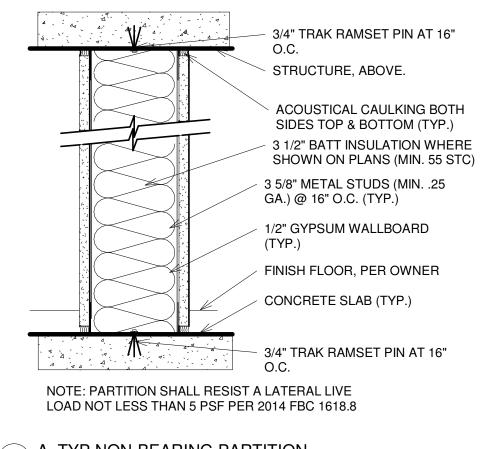
5. PROTECT PARTS OF THE EXISTING WORK SCHEDULED TO REMAIN. CUT AWAY CAREFULLY THE PARTS TO BE DEMOLISHED TO REDUCE THE AMOUNT OF NECESSARY REPAIRS.

6. SECURE OWNER'S EXISTING PROPERTY TO BE SALVAGED. COORDINATE THOSE ITEMS WITH THE OWNER. 7. SHORE, BRACE AND SECURE STRUCTURAL ITEMS TO REMAIN BEFORE DEMOLITION.

Miami, 786.615 AA2600 IB2600 B2600	1472 os J. Bravo, F	R.A. AR17 ESENT HEREIN AF AND MAY NOT BE	RE THE COPIED
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SHEET	A-10	1	

SYMBOLS LEGEND

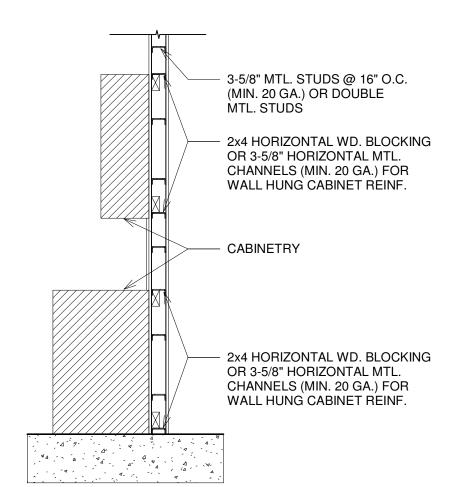
STNIDULS LEGEN	
	ALIGN SYMBOL
Ę	CENTERLINE
	CHANNEL
101	DOOR DESIGNATION
(1t)	WINDOW DESIGNATION
	FURNITURE TAG
1	GENERIC NOTE TAG
	PARTITION / WALL TAG
\perp	PERPENDICULAR
۴	PLATE / PROPERTY LINE
	REVISION MARKING
(1t)	SPECIALTY EQUIPMENT TAG
\bullet	SPOT ELEVATION
1/2"	SLAB STEP TRANSITION
1 / A101	VIEW REFERENCE DESIGNATION
WALL LEGEND	
	<u>2" PARTITION</u> NON-BEARING, NON-RATED STUD DRYWALL PARTITION, 2x4 WOOD STUDS OR 1" METAL STUDS @ 16" O.C. WITH 1/2" GYPSUM
	WALLBOARD ON EACH SIDE <u>4-5/8" PARTITION</u> NON-BEARING, NON-RATED STUD DRYWALL
	PARTITION, 2x4 WOOD STUDS OR 3-5/8" METAL STUDS @ 16" O.C. WITH 1/2" GYPSUM WALLBOARD ON EACH SIDE
	<u>5" PARTITION</u> NON-BEARING, 2-HOUR RATED STUD DRYWALL PARTITION, 2x4 WOOD STUDS OR 2-1/2" METAL STUDS @ 16" O.C. WITH A DOUBLE LAYER OF 5/8" GYPSUM WALLBOARD ON EACH SIDE
	<u>6" PARTITION</u> NON-BEARING, 1-HOUR RATED STUD DRYWALL PARTITION, 2x4 WOOD STUDS OR 6" METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM WALLBOARD ON EACH SIDE
· · · · · · · · · · ·	<u>8" PARTITION</u> NON-BEARING, NON-RATED STUD DRYWALL PARTITION, 2x4 WOOD STUDS OR 8" METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM WALLBOARD ON EACH SIDE
	<u>8" CMU WALL</u> CONCRETE MASONRY UNIT (CMU) / CONCRETE WALL (EXISTING)
	<u>8" CMU WALL</u> CONCRETE MASONRY UNIT (CMU) / CONCRETE WALL (PROPOSED)
	<u>12" CMU WALL</u> CONCRETE MASONRY UNIT (CMU) / CONCRETE WALL (EXISTING)
	<u>12" CMU WALL</u> CONCRETE MASONRY UNIT (CMU) / CONCRETE WALL (PROPOSED)



3 A_TYP NON-BEARING PARTITION 3" = 1'-0"

NO WORK IN





A_WALL HUNG FIXTURE & CABINET

4 <u>DETAIL TYP</u> 1/2" = 1'-0"

					DOOR SCHE	DUL
Mark	Type Mark	Count	Width	Height	Thickness	
)1	01	6	3' - 0"	6' - 8"	0' - 2"	
)2	02	2	3' - 0"	6' - 8"	0' - 1 3/8"	

EXISTING ADJACENT <u>`</u>11' - 2 5/16" 7' - 4 5/8" 8 - 0 27/32" 8' - 0 27/32" 8' - 0 27/32" \times \times \times \times \times \times \times WASH WASH WASH ↓____ 7' - 0" **⊨____**11' - 0" REF 7' - 8 7/32" 7' - 8 7/32" 7' - 8 7/32" BREAKROOM SINK BATHROOM 202 203 \square A A W/D CABINETS OVERHEAD SINK HAIR SALON 1 HAIR SALON 2 HAIR SALON 3 Ŵ/D 205 204 206 (01 (**__0**1 Sim 1/2" MAX. EX. 1 A-300 \rightarrow H 18' - 4 5/8" XEXIST. STAIR 🚄 ENTRY 201 01 13' - 5 7/16"

z <u>LEVEL 2 PROPOSED PLAN</u> 1/4" = 1'-0"

E		
Description	Comments	N.O.A.

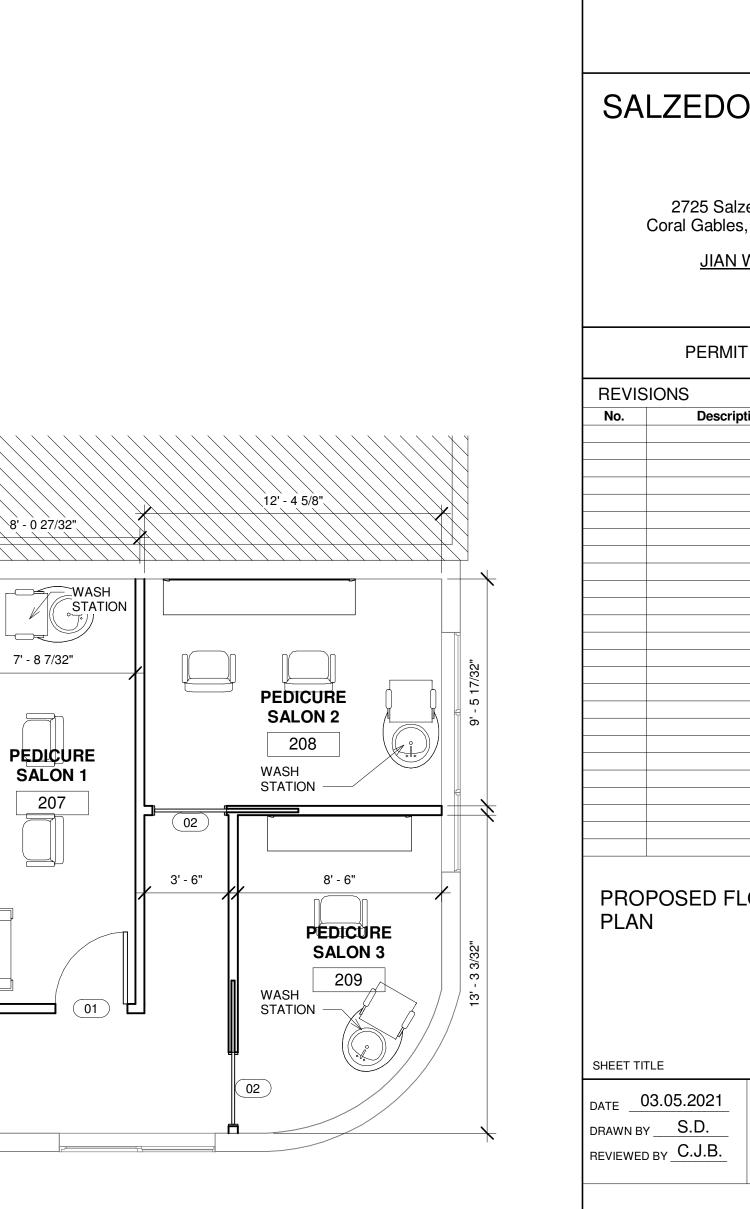
8' - 0 27/32"

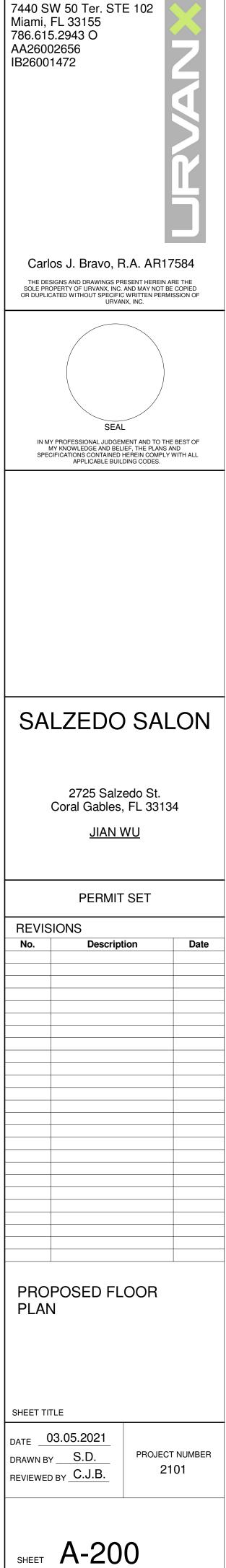
7' - 8 7/32"

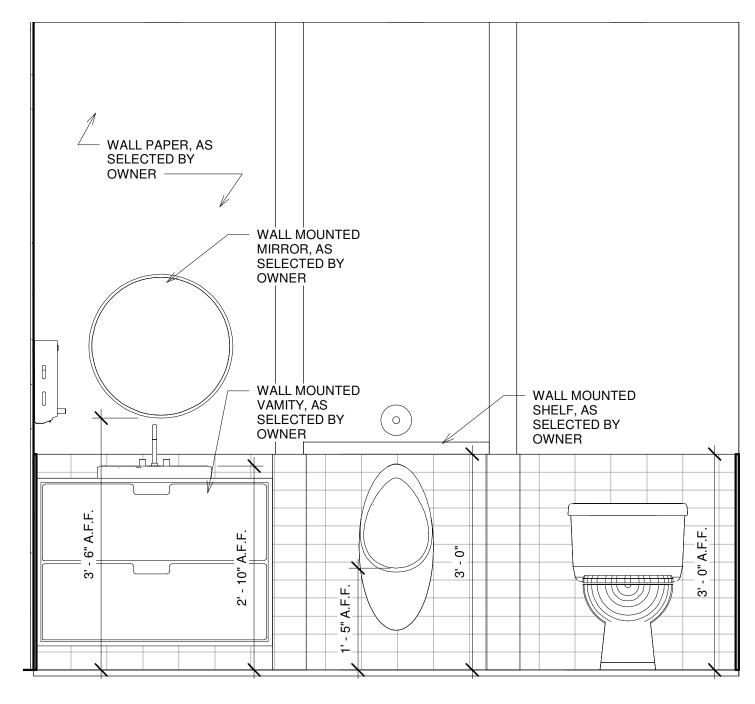
PEDICURE

SALON 1

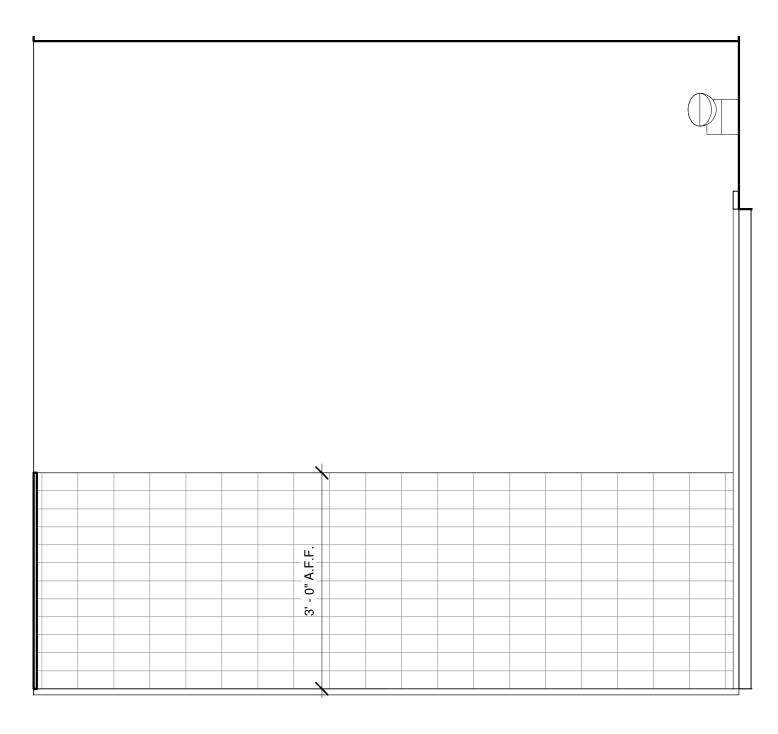
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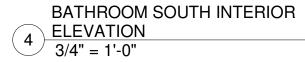






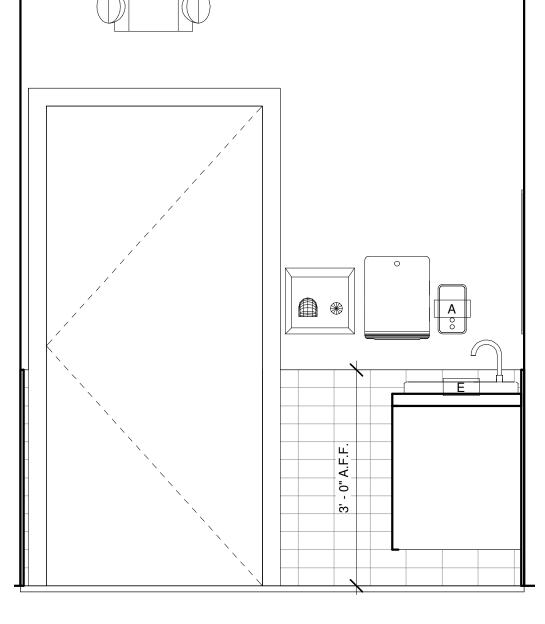
BATHROOM NORTH INTERIOR 2 <u>ELEVATION</u> 3/4" = 1'-0"







BATHROOM WEST INTERIOR 5 ELEVATION 3/4" = 1'-0"



 $3 \quad \frac{\text{BATHROOM EAST INTERIOR ELEVATION}}{3/4" = 1'-0"}$

	- 0. 	
	3	



64E-11.005(5)(b)

PROVIDE SIGNAGE FOR EMPLOYEE HAND WASHING AS PER B.C. STATE FOOD HYGIENE CODE

OWNER -WALL-MOUNTED SOAP DISPENSER, AS SELECTED BY OWNER

VANITY MOUNTED HAND-SINK, AS SELECTED BY

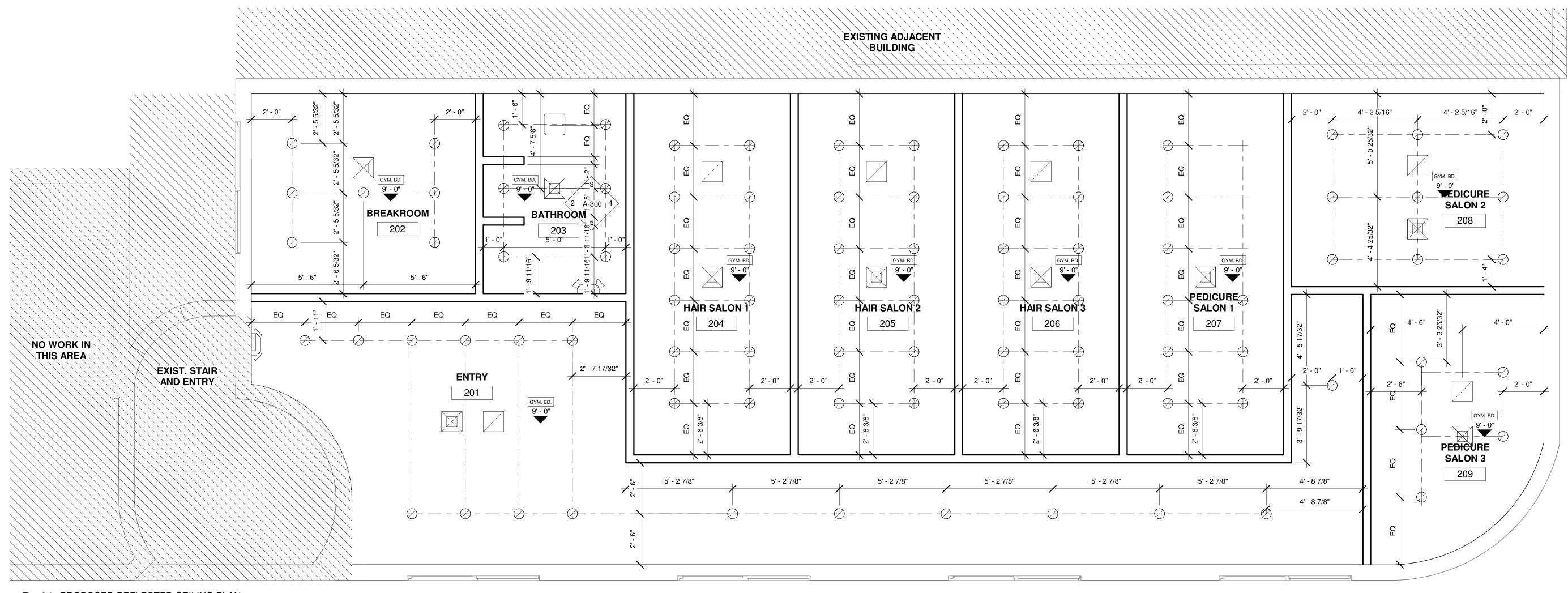
WALL MOUNTED SHELF, AS SELECTED BY OWNER

TOILET PAPER DISPENSER, AS SELECTED BY OWNER, TO BE MIN. 7" TO MAX. 9" FROM EDGE OF TOILET

Туре Ма
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PLUMBING FIXTURE SCHEDULE Iark Description Manufacturer Model Type Comments Wall-mounted soap dispenser. BY OWNER Image: Comment of the second s	
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Wall-mounted soap dispenser. BY OWNER Wall-mounted sanitary napkin dispenser. BY OWNER Wall-mounted Double Roll Toilet Dispenser BY OWNER Floor-mounted 	
dispenser.BY OWNERWall-mounted sanitary napkin dispenser.BY OWNERWall-mounted Double Roll Toilet DispenserBY OWNERFloor-mounted Porcelain ToiletBY OWNERVanit-mounted Hand SinkBY OWNERWall-mounted Paper Towel DispenserBY OWNERWall-mounted Electric Hand DryerBY OWNERWall-mounted PorcelainBY OWNER	
Wall-mounted sanitary napkin dispenser.BY OWNERWall-mounted Double Roll Toilet DispenserBY OWNERFloor-mounted Porcelain ToiletBY OWNERVanit-mounted Hand SinkBY OWNERWall-mounted Paper Towel DispenserBYOWNERWall-mounted Electric Hand DryerBY OWNERWall-mounted PorcelainBY OWNER	
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Wall-mounted Porcelain BY OWNER	F
0' - 8 1/4" WORL	
North Contraction of the second se	
ВАТНВООМ	
BATHROOM 203	
BATHROOM	
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H BATHROOM 203 4 5 5	
BATHROOM	
H 203 H BATHROOM 2 A-300 5	





1 PROPOSED REFLECTED CEILING PLAN 3/8" = 1'-0" z

CEILING NOTES:

1. THE MECHANICAL AND ELECTRICAL DRAWINGS GOVERN THE MENTION SYSTEM. THE LOCATIONS OF ALL MECHANICAL, ELECTRICAL ELEMENTS THAT ARE VISIBLE ON THE CEILING ARE INDICATED ON THE ARCHITECTURAL PLANS AND DETAILS. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION.

2. THE CEILING LAYOUT HAS PRIORITY OVER THE NON-VISIBLE LAYOUT. ADJUST ABOVE CEILING LAYOUT AS REQUIRED. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

3.GC TO PROVIDE ADEQUATE CLERANCE FOR ALL, MECHAINICAL, ELECTRICAL OR PLUMBING ELEMENTS AND ANY RELATED ITEMS TO MAINTAIN THE DESIRED FINISHED CEILING HEIGHT SHOWN ON THE REFLECTED CEILING PLAN (RCP).

4. ALL CEILINGS THAT ARE GYPSUM WALL BOARD OR EXPOSED STRUCTURAL ARE TO BE PAINTED, UNLESS STATED OTHERWISE.

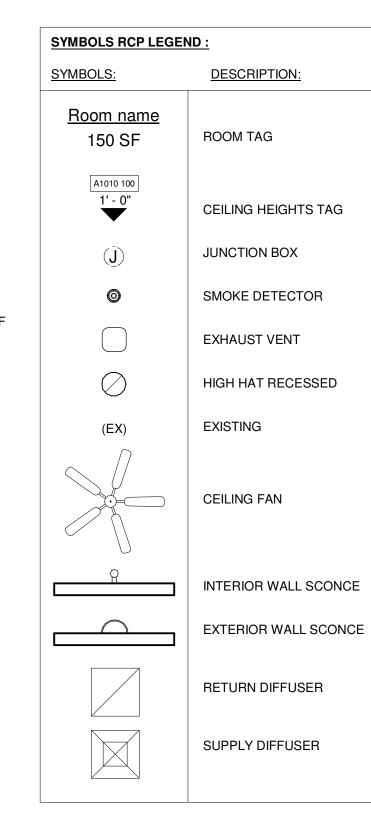
5. ALL CEILING HEIGHTS ARE MEASURED FROM TOP OF FINISH FLOOR TO UNDERSIDE OF FINISH CEILING.

6. COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATION AND QUANTITY OF EMERGENCY LIGHT FIXTURES.

MECHANICAL DRAWINGS.

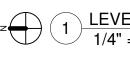
8. DIFFUSERS ARE TO BE LOCATED CENTERED BETWEEN LIGHT FIXTURES.

7. GC TO COORDINATE ALL ROOF PENETRATIONS FOR DUCTWORK WITH

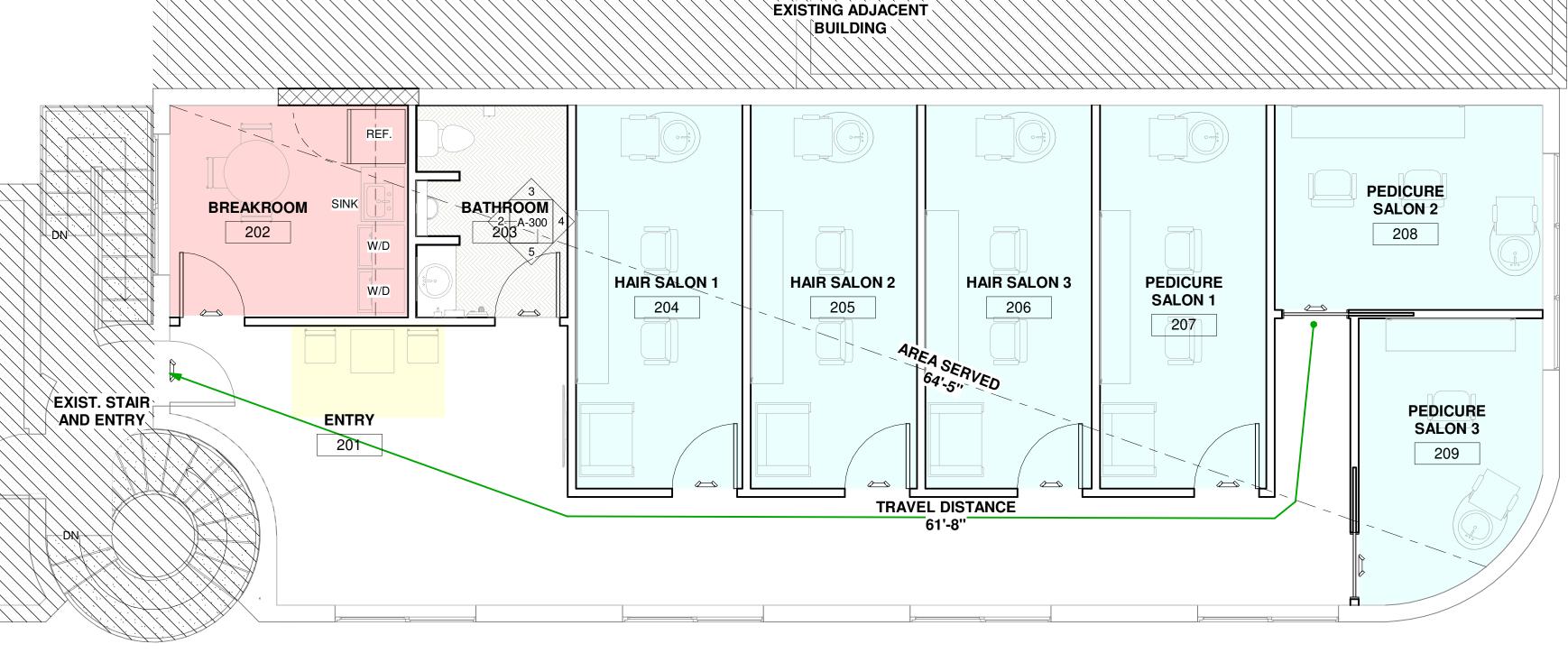








z <u>LEVEL 2 PROPOSED LIFE SAFETY PLAN</u> 1/4" = 1'-0"



SYMBOLS FIR	E PROTECTION LEGEND :
SYMBOLS:	DESCRIPTION:
S S	FIRE SIREN CEILING/WALL
FS	FIRE STROBE
	FIRE SPRINKLER CEILING / WALL
F.E.	FIRE EXTINGUISHER
	EXIT SIGN
EX.	EXISTING
	EMERGENCY LIGHT

*PREVIOUS OCCUPANY TYPE: N/A *<u>OCCUPANY TYPE:</u> GROUP B

INTERIOR FINISH CLASSIFICATION GROUP B - NON-SPRINKLERED CEI - EXIT PASSAGEWAY - EXIT ACCESS - ROOMS AND OTHER SPAC FLOORS (FBC 804.4.1) GROUP B CEILINGS GROUP B

MAXIMUM OCCUPANT CODE				MIN. REQ'D.		PROVIDED WIDTH		
	(FBC TABLE 1004.1.2 & NFPA TABLE 7.3.1.2)			0.2"	0.3"	(INCH)		
NAME	NUMBER	OCCUPANCY	AREA	TOTAL PEOPLE	DOOR	STAIR	DOOR	STAIR
ENTRY	201	1 PERSON/15 GSF	30 SF	2	0.2"	N/A	36	N/A
BREAK ROOM	202	1 PERSON/50 GSF	106 SF	3	1"	N/A	36"	N/A
HAIR SALON 1	204	1 PERSON/100 GSF	136 SF	2	0.4"	0.6"	36"	36"
HAIR SALON 2	205	1 PERSON/100 GSF	136 SF	2	0.4"	0.6"	36"	36"
HAIR SALON 3	206	1 PERSON/100 GSF	136 SF	2	0.4"	0.6"	36"	36"
PEDICURE SALON 1	207	1 PERSON/100 GSF	136 SF	2	0.4"	0.6"	36"	36"
PEDICURE SALON 2	207	1 PERSON/100 GSF	125 SF	2	0.4"	0.6"	36"	36"
PEDICURE SALON 3	207	1 PERSON/100 GSF	101 SF	2	0.4"	0.6"	36"	36"
NON-OCCUPNACY	N/A	N/A	449 SF					
*WITH ADDITIONAL 1 EMPLOYEE PER 2 PATRON SEATS FOR ROOMS HAIR SALON 1, HAIR SALON 2, HAIR SALON 3, PEDICURE SALON 1, PEDICURE SALON 2			5					
TOTAL			1092 SF	22	3.4"	N/A	36"	N/A

EXIT SEPARATION PROVIDED: N/A FBC TABLE 1017.2 & TABLE 1006.2 TRAVEL DISTANCE DEAD END CORRIDOR COMMON PATH OF TRAVEL

INTERIOR FINISH CLASSIFICATION OCCUPANCY BUSINESS EXITS

NOTE: WALK SURFACES OF THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED AS PER FBC 2017 SECTION 1003.4

NOTES:

3.

ALL LIFE SAFETY SYSTEMS WILL REMAIN IN PLACE DURING ACTIVE DEMOLITION AND CONSTRUCTION. EGRESS PATHWAYS AND DOORS SHALL REMAIN FREE AND CLEAR AT ALL TIMES. BUILDING IS EQUIPPED WITH A SUPERVISED/MONITORED FIRE ALARM SYSTEM AND A FIRE SPRINKLER SYSTEM. IF APPLICABLE, DUCT SMOKE DETECTOR SHALL SET FIRE ALARM INTO SUPERVISORY MODE, AND THE REMOTE 4. TEST SWITCH SHALL BE PROVIDED WITH AN LED INDICATOR, LOCATED IN A NORMALLY OCCUPIED AREA 48" A.F.F. PROVIDE A SIGN "MAXIMUM CAPACITY 15 PEOPLE" THAT COMPLIES WITH NFPA-101:12.7.8.3. 5.

NOTE: OCCUPANCIES LESS THAN 50, DOORS ARE NOT REQUIRED TO SWING IN DIRECTION OF EGRESS, AS PER FBC 2017 1010.1.2.1

N (FBC TABLE 803.11)	

EILINGS	A B
ACES	C
	CLASS II
	CLASS II

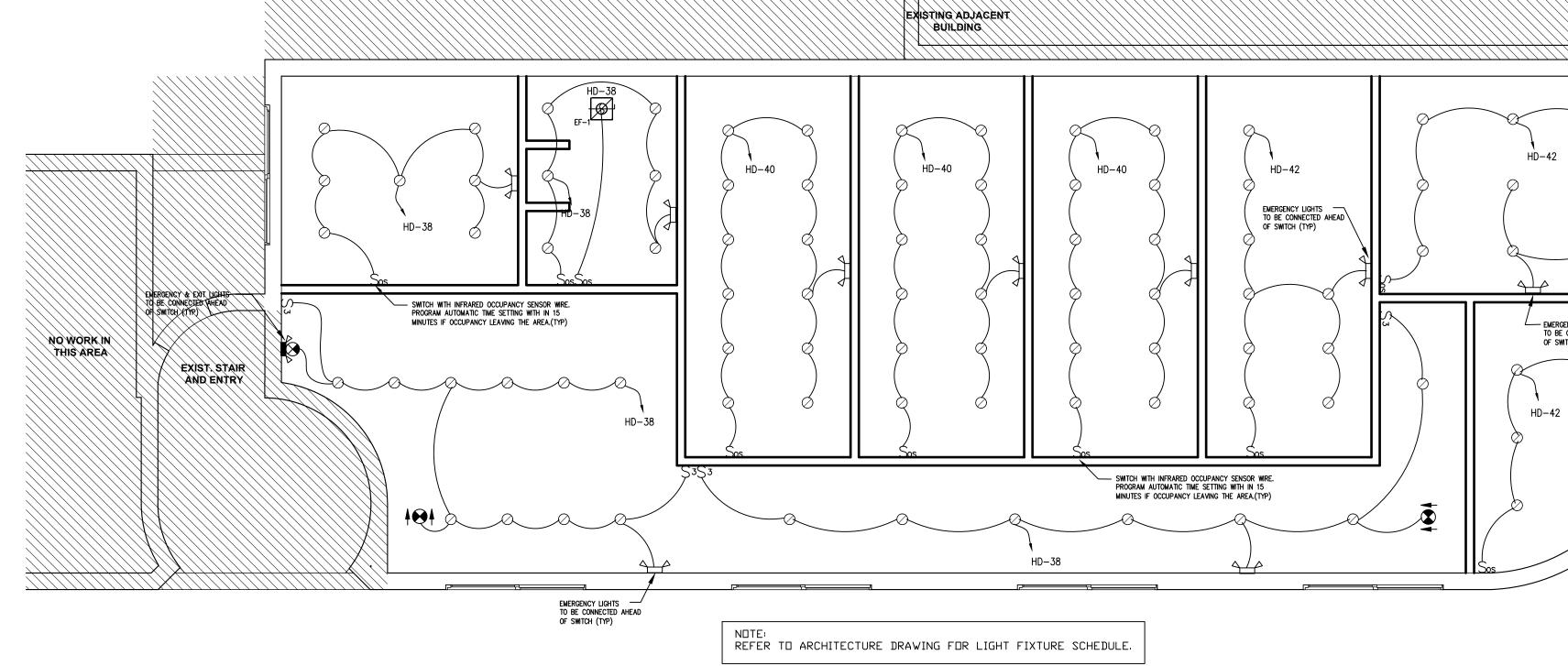
LIFE SAFETY OCCUPANCY

AREA SERVED CALCULATION: 64'-5" REQUIRED SEPARATION: NO SEPARATION REQUIRED AS PER FBC TABLE 1006.3.2(2)

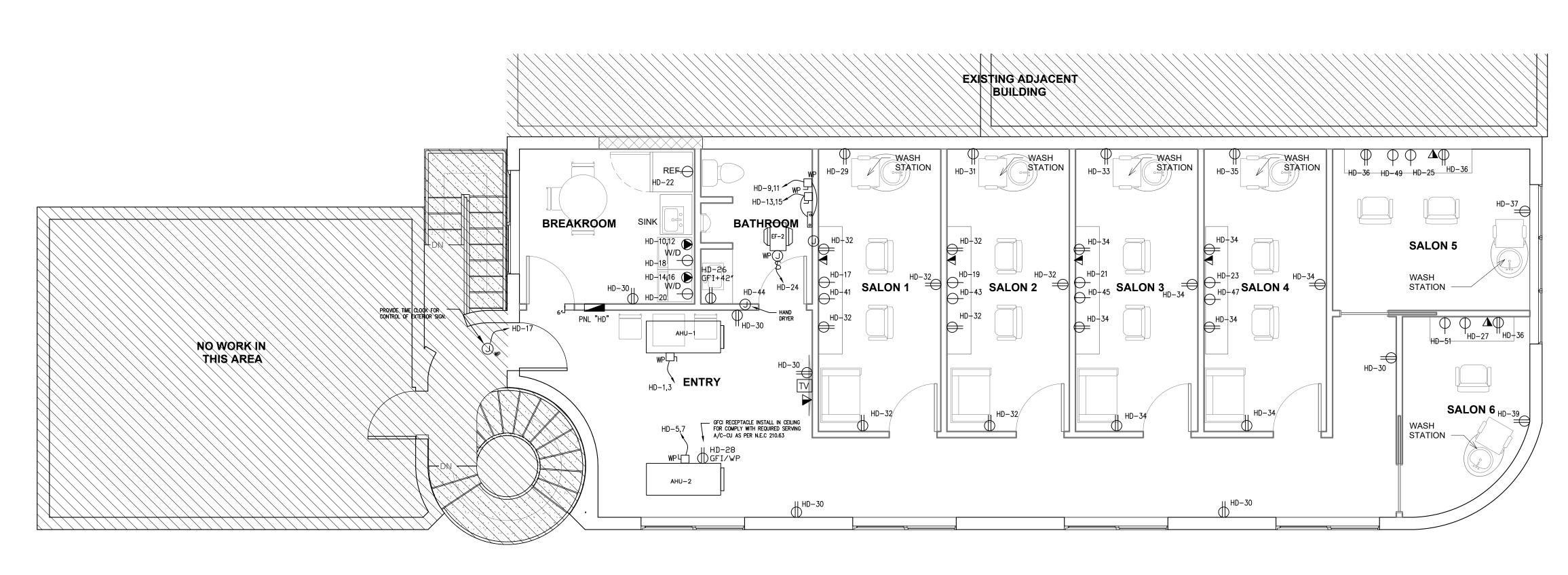
4			

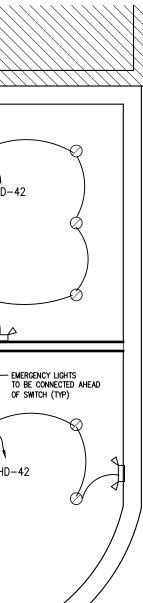
S

7440 SW 50 Ter. STE 102 Miami, FL 33155 786.615.2943 O AA26002656 IB26001472									
Carlos J. Bravo, R.A. AR17 THE DESIGNS AND DRAWINGS PRESENT HEREIN AF SOLE PROPERTY OF URVANX, INC. AND MAY NOT BE OR DUPLICATED WITHOUT SPECIFIC WRITTEN PERMIS URVANX, INC.	RE THE COPIED								
SEAL IN MY PROFESSIONAL JUDGEMENT AND TO THE MY KNOWLEDGE AND BELIEF, THE PLANS AM SPECIFICATIONS CONTAINED HEREIN COMPLY V APPLICABLE BUILDING CODES.	ND								
SALZEDO SAL	.ON								
2725 Salzedo St. Coral Gables, FL 33134 <u>JIAN WU</u>	Coral Gables, FL 33134								
PERMIT SET									
REVISIONS No. Description	Date								
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z LEVEL 2 PROPSED POWER PLAN 1/4" = 1'-0"





SYMBOLS RCP LEGEN	I <u>D :</u>
SYMBOLS:	DESCRIPTION:
<u>Room name</u> 150 SF	ROOM TAG
	CEILING HEIGHTS TAG
J	JUNCTION BOX
Ø	SMOKE DETECTOR
	EXHAUST VENT
\oslash	HIGH HAT RECESSED
(EX)	EXISTING
	CEILING FAN
P	INTERIOR WALL SCONCE
	EXTERIOR WALL SCONCE
	RETURN DIFFUSER
	SUPPLY DIFFUSER
	COTO CONSULTING ENGINEER,LLC PEDRO PABLO COTO , P.E. PE. No: 85311 CA. No: 33441 TEL : 3053162999 E-mail : pedrocoto37@gmail.com CONSULTING ENGINEERS



		z	2 	2		PSED ROOF PL = 1'-0"	AN								
	TYPE: SIE MTG: SUI MAIN: M.L	RF	PANELE	BOARD		PAI		, (AIC)	'HD"		BUS	: 40	0/240V, 0 AMPS KVA (3	1ø,3W 354.55 AMPS	5)
	DEMAND	COND.	WIRE	TRIP	POLES	DESCRIPTION	CKT.	СКТ.	DESCRIPTION	POLES	TRIP	WIRE	COND.	DEMAND	1
32	9,156	3/4"	#8	50	2 /	AHU-1	1	2	CU-1	2 /	40	#8	3/4"	6,528	23
\sim	-	,				(3/4 HP + 7.5 KW)	3	4	(3.5 A + 23.7 A)						
32	5,864	3/4"	#8	40	2 /	AHU-2	5	6	CU-2	2 /	30	#10	1/2"	3,888	23
						(1/3 HP + 5.0 KW)	7	8	(0.8 A + 15.4 A)]
2	9,000	3/4"	# 8	40	2 /		9	10	DRYER	2 /	30	# 10	3/4"	5,000	
						IWH — 1	11	12							
2	9,000	3/4"	#8	40	2		13	14	DRYER	2	30	# 10	3/4"	5,000	
					\vee		15	16		\swarrow					
(1)	1,200	1/2"		20		SIGN	_	18	WASHER MACH.	1	20	#12	1/2"	1,500	5
		#12	20	1	NAIL	19	20	WASHER MACH.	1	20	#12	1/2"	1,500	5	
		NAIL	21	22	REFRIGERATOR	1	20	#12	1/2"	1,000					
	(5) 1,000 1/2" #12 20 1 NAIL 23 24 EXHAUST FAN(EF-2)		1	20	#12	1/2"	600	4							
5	1,000	1/2"	#12	20		NAIL	25	26	GFI RESTROOM RECEP.	1	20	#12	1/2"	360	_
5	1,000	1/2"	#12	20		NAIL	27	28	SERVICE RECEPTACLE		20	#12	1/2"	360	
5	1,000	1/2"	#12 #12	20 20	1	WASH STATION CHAIR	29	30	GENERAL RECEP.	1	20 20	#12 #12	1/2"	1,620	4
5	1.000	11/0"													

SUBTOTAL:

82,620VA

82,620 VA

CONNECTED LOAD:

 25% OF LIGHTING LOAD:
 1,050 VA

 25% OF LARGER MOTOR:
 1,422 VA

TOTAL LOAD: 85,092 VA

CU-2

HD-6,8

ROOF

CU-1

₩_{HD-28} GFI/WP

	DEMAND	COND.	WIRE	TRIP	POLES	DESCRIPTION	CKT.	СКТ.	DESCRIPTION	POLES	TRIP	WIRE	COND.	DEMAND	
)[9,156	3/4"	#8	50	2 /	AHU-1	1	2	CU-1	2 /	40	#8	3/4"	6,528	23
					\square	(3/4 HP + 7.5 KW)	3	4	(3.5 A + 23.7 A)						
)[5,864	3/4"	#8	40	2 /	AHU-2	5	6	CU-2	2 /	30	<i>#</i> 10	1/2"	3,888	23
					\bigvee	(1/3 HP + 5.0 KW)	7	8	(0.8 A + 15.4 A)]
)[9,000	3/4"	# 8	40	2 /		9	10	DRYER	2 /	30	<i>#</i> 10	3/4"	5,000	
					\bigvee] IWH — 1	11	12							
)[9,000	3/4"	# 8	40	2 /		13	14	DRYER	2 /	30	<i>#</i> 10	3/4"	5,000	
					\bigvee		15	16							
D	1,200	1/2"	<i>#</i> 12	20	1	SIGN	17	18	WASHER MACH.	1	20	<i>#</i> 12	1/2"	1,500	5
)	1,000	1/2"	<i>#</i> 12	20	1	NAIL	19	20	WASHER MACH.	1	20	<i>#</i> 12	1/2"	1,500	5
)	1,000	1/2"	#12	20	1	NAIL	21	22	REFRIGERATOR	1	20	<i>#</i> 12	1/2"	1,000	
5	1,000	1/2"	#12	20	1	NAIL	23	24	EXHAUST FAN(EF-2)	1	20	<i>#</i> 12	1/2"	600	4
)	1,000	1/2"	#12	20	1	NAIL	25	26	GFI RESTROOM RECEP.	1	20	<i>#</i> 12	1/2"	360	
5)	1,000	1/2"	#12	20	1	NAIL	27	28	SERVICE RECEPTACLE	1	20	<i>#</i> 12	1/2"	360	
5)	1,000	1/2"	#12	20	1	WASH STATION CHAIR	29	30	GENERAL RECEP.	1	20	<i>#</i> 12	1/2"	1,620]4)
5)	1,000	1/2"	#12	20	1	WASH STATION CHAIR	31	32	GENERAL RECEP.	1	20	<i>#</i> 12	1/2"	1,620	4
)	1,000	1/2"	<i>#</i> 12	20	1	WASH STATION CHAIR	33	34	GENERAL RECEP.	1	20	<i>#</i> 12	1/2"	1,620	4
)	1,000	1/2"	<i>#</i> 12	20	1	WASH STATION CHAIR	35	36	GENERAL RECEP.	1	20	<i>#</i> 12	1/2"	1,620	4
5)	1,000	1/2"	<i>#</i> 12	20	1	WASH STATION CHAIR	37	38	LIGHTING	1	20	<i>#</i> 12	1/2"	1,000	
5)	1,000	1/2"	<i>#</i> 12	20	1	WASH STATION CHAIR	39	40	LIGHTING	1	20	<i>#</i> 12	1/2"	1,000	
	1,900	1/2"	<i>#</i> 10	30	1	BLOWER	41	42	LIGHTING	1	20	<i>#</i> 12	1/2"	1,000	
	1,900	1/2"	<i>#</i> 10	30	1	BLOWER	43	44	HAND DRYER	1	20	<i>#</i> 12	1/2"	1,200	
	1,900	1/2"	<i>#</i> 10	30	1	BLOWER	45	46	SPACE						
	1,900	1/2"	<i>#</i> 10	30	1	BLOWER	47	48	SPACE						
	1,900	1/2"	<i>#</i> 10	30	1	BLOWER	49	50	SPACE						
	1,900	1/2"	<i>#</i> 10	30	1	BLOWER	51	52	SPACE						
						SPACE	53	54	SPACE						
1														82 6201/4	1

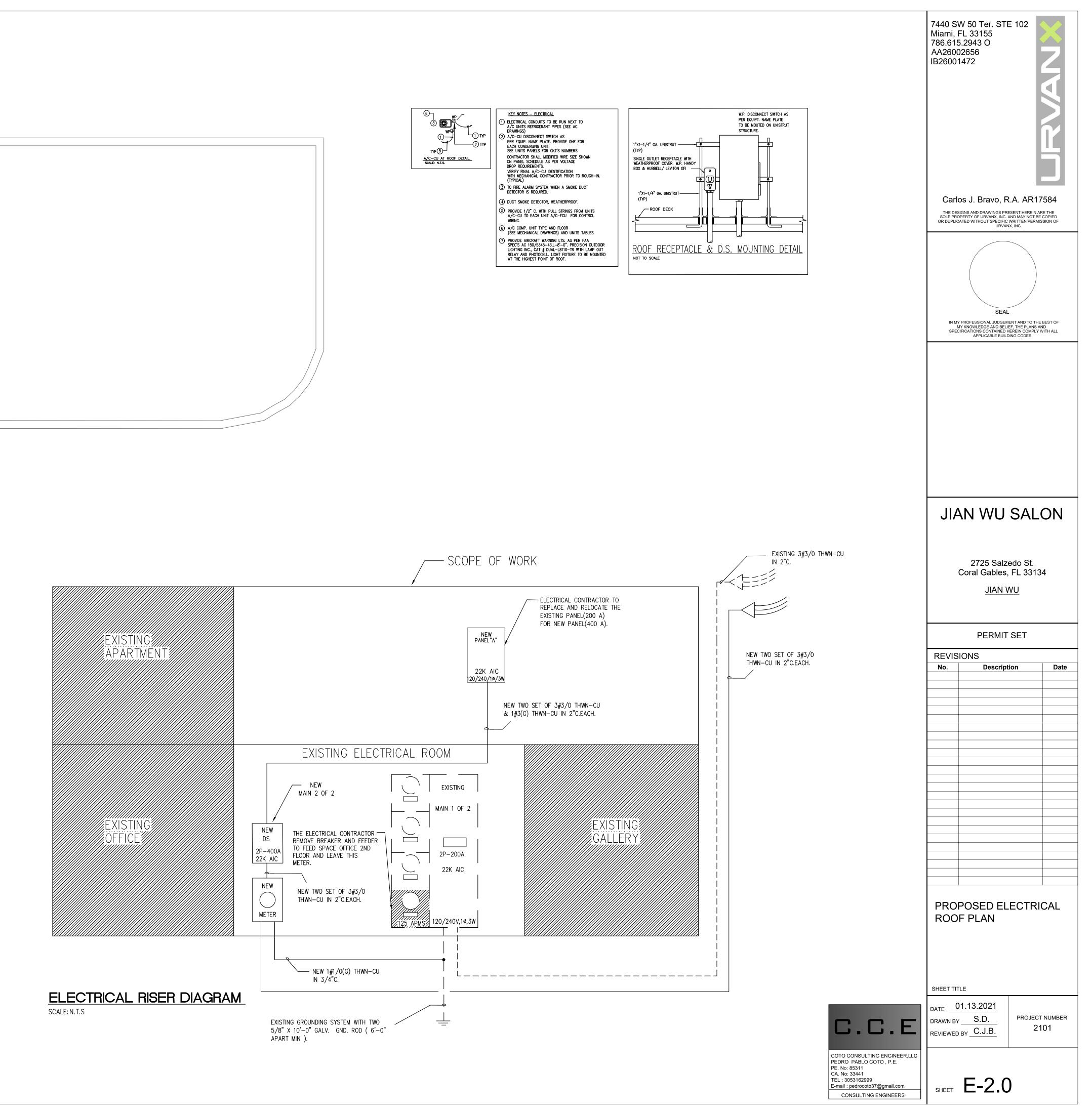
 $\overline{(1)}$ on time clock for sign

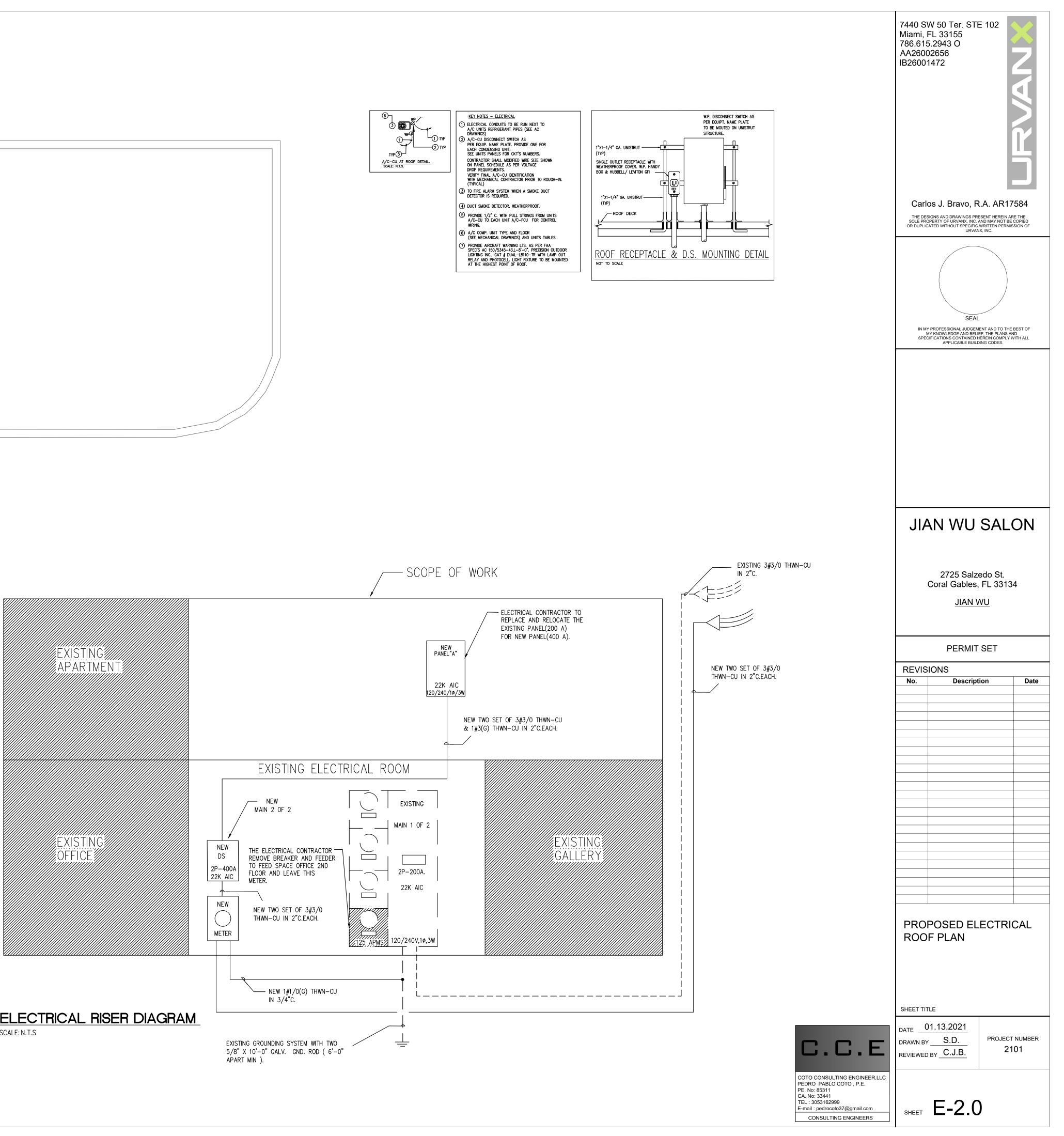
(2) VERIFY M.C.A. & M.O.C.P. WITH EQUIPMENT NAME PLATE PRIOR TO ORDERING AND ROUGH-IN

(3) HEAT LOAD LARGER, NON CONCURRENT LOAD.

(4) ON TIME CLOCK CONTROL RECEPT.

(5) PROVIDE GFCI CIRCUIT BREAKER AS PER NEC.





1.	General A. All work performed under this contract shall comply with	15.	All connections to ground rods shall be made
	all national, state and local codes having jurisdiction and with, the requirements of the utility companies whose	16.	welded connections, unless noted otherwise. Provide a fuse holder and fuse in the primary
	services shall be used. All modifications required by	17.	ungrounded conductor for all ballasts. Unless noted as existing, all equipment, wiring,
	these codes shall be made by this contractor without additional charge.		etc. shall be new.
	 B. Drawings: Refer to all drawings for coordination of the electrical work. C. Arrange and pay for all permits, licenses, inspections 	18.	Contractor shall guarantee all materials and w from defects for a period of not less than (of acceptance, unless indicated of specified o
	and tests. Obtain the required certificates and present to owner.	19.	Correction of any defects shall be completed additional charge and shall include replacement
	D. Guarantee: The completed installation shall be fully guaranteed against defective materials and/or improper		any other phase of the installation which ma damaged thereby.
2	workmanship for minimum of one year for material and labor. Contractor is directed to review the building plans and	20.	Electrical contractor shall provide temporary s of all trades as required for construction.
- '	specifications for limitations of constructions,	21.	Temporary wiring to be removed by contractor
	identifications of materials and products, definition of workmanship. This contractor shall include his bid	22.	Electrical contractor shall verify requirements, location and type or outlet for all electrical f
	proposal all costs necessary for a complete and operational installation and shall visit the job site prior to a bid date.	23.	appliances and equipment. Shop Drawings: Coordinate requirements with
3,	Contractor needs to establish a field liason with project supervisor, prior to commencing work.	24.	All wiring to have 600 volt insulation, type TH for branch circuits and type THWN, THHN for
1.	All required insurance shall be provided for protection against public liability and property damage for duration of the work.	25.	specified. Design is based on copper conductor. Wire si smaller type "THHN", wire size #8 and larger
5.	It shall not be the intent of these plans and/or specifica- tions to show every minor detail of construction. The	26.	as specified. Wire ways shall be sized as required, per NEC,
	electrical contractor shall be expected to furnish and install all items for a complete electrical system and provide all	27.	otherwise noted. All feeder, subfeeder and branch circuits shall
	requirements necessary for equipment to be placed in proper working order.	28.	phase balanced. All conductors shall be in conduits. All condu
•	Electrical contractor shall not scale drawings. Contractor shall refer to architectural plans and elevations for exact		intermediate (IMC) or rigid galvanized that: (a) poly vinyl chloride (PVC) o concrete slabs at underground prov
7.	locations of all equipment unless otherwise noted. All conduit runs are shown diagrammactically. Exact routing shall be determined in the field, unless otherwise noted.		RGS; (b) electrical metallic tubing (i on walls or ceilings where not subje
3.	Electrical contractor shall visit the job site and verify all conditions, locations, dimensions and counts as shown and/or		damp conditions or corrosive conditions flexible conduits where required; (d
~	noted on the drawings. This shall include any and all fabrications prior to installations.		conduit where required in dry location hazardous areas (per NEC) shall mee Chapter.
9,	As a minimum, all equipment shall meet applicable standards, for the type of equipment and intended use, of the following: a. American National Standards Institute (ASTM).	29.	Apply bitumastic coating to all metal or underground.
	b. Illuminating Engineers Society (IES).	30,	Electrical contractor shall verify c rating for equipment prior to const
	c. American Society for Testing and Materials (ASTM) d. National Electrical Manufacturer's Association (NEMA).	31.	Provide fuse recommended by equipment
	Note: These standards are subordinate to codes, and	32.	Furnish and install disconnect switch
0.	standards set by UL. All electrical equipment, devices, wire, ect. shall be listed, for the intended use, with Underwriter	33,	conditioning systems as per manufac Controls are to be supplied by air a Install power and control wiring and
	laboratories, Inc. (UL), where standards have been established by UL.		components for air condition system these drawings and per other applic
11.	As-built drawings shall be furnished to the owner upon completion of work.	34,	tions see A/C drawings. Electrical contractor to run contro
12.	Wiring devices to be spec. grade.	<u> </u>	as per HVAC drawings. No conduits to be pup in ductwork
.3,	Where more than one devices is indicated at any location, these shall be ganged under one common cover plate.	35. 36.	No conduits to be run in ductwork. All electrical wiring must be in condu
14.	Contractor shall coordinate with electric and telephone utility for service entrance location and any other require- ments.		is permitted unless specific permissic owner, engineering or local inspector

LIGHTING NOTE:

1.ALL FLUORECENT LUMINAIRES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAINS BALLAST(S) SHALL BE PROVIDED WITH FACTORY INSTALLED SEPARABLE PLUG LOCATED AT THE BALLAST COMPARTMENT TO COMPLY WITH WITH N.E.C. 410.130 (G). (TYP). MEANS OF EGREESS ILLUMINATION NOTES:

1. ALL INTERIOR AND EXTERIOR STAIRS SHALL BE PROVIDED WITH MEANS TO ILLUMINATE THE STAIRS INCLUDING THE LANDING AND THREAD WITH 1.0 FC MIN. AS PER THE RESIDENTIAL FLORIDA BUILDING CODE SECTION R303.7.

F.B.C. ENERGY CODE (2020-7TH EDITION):

I. R404.1 NOT LESS THAN 90% OF THE LAMP IN PERMANENTLY LUMINARIES SHALL HAVE AN EFFICACY OF AT LEAST 45 LUMENS-PER WATT OR SHALL UTILIZE LAMPS WITH AN EFFICACY OF NOT LESS THAN 65 LUMENS-PER WATT. 2. R402.4.5 RECESSED LUMINARIES INSTALLED IN THE

BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINARIES SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE NOT MORE THAN 2.0 cfm(0.944 L/s) WHEN TESTED IN ACCORDANCE WITH ASTM E283 AT A 1.57 psf(75 Pa) PRESSURE DIFFERENTIAL. ALL RECESSED LUMINARIES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.

NOTES:

1. ALL 125V, 15 AND 20 AMP RECEPTACLES INSTALLED SHALL BE LISTED TAMPERRESISTANT RECEPTACLES, PER NEC 406.11

2. ALL 15 AND 20 AMP, 125V AND 240V NON-LOCKING RECEPTACLES INSTALLED AT EXTERIOR SHALL BE WEATHER RESISTANT TYPE PER NEC 406.8

3. ALL 120V, SINGLE PHASE, 15 & 20 AMP CIRCUITS SUPPLYING OUTLETS INSTALLED IN FAMILY ROOM, DINING ROOM, LIVING ROOM, DEN, BED ROOMS, SUN ROOM, RECREATION ROOM, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE

PROTECTED BY A LISTED ARC FAULT CIRCUIT INTERRUPTER. COMBINATION TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

4.NOTE: SHALL COMPLY WITH NEC 2017 ART 406.11 AS SPECIFY IN ART 210.52. FBC 2020 7TH EDITION

5.NOTE: IF PVC CONDUITS ARE IN USE, EQUIPMENT GROUND WORK PRIOR TO BIDDING. WIRES MUST BE PROVIDED WITH ALL FEEDERS. 6.NOTE: SHALL COMPLY WITH NEC 2017 ART

110.11, 110.20 AND 358.12(2) 7.NOTE: SHALL COMPLY WITH FBC 2020 ENERGY CONSERVATION SECTION CHAPTER V.

8. NOTE: ALL LUMINARIES SHALL BEAR THE LISTING NUMBERS FROM SOME NRTL.

9. PROVIDE A FED FROM LABEL TO ALL PANELBOARDS AS PER NEC 408.4(B)

CODES. APPROVAL

ELECTRICAL SYMBOL LEGEND (DWE (NOT ALL SYMBOLS ARE USED) \bigotimes QUADRUPLE (DOUBLE DUPLEX) ground rods shall be made with UL approved → DUPLEX OUTLET older and fuse in the primary side of each + HALF SWITCHABLE DUPLEX OULET \rightarrow SINGLE OUTLET (GROUNDING) existing, all equipment, wiring, devices, SPECIAL PURPOSE (120/240: L,L,N, & GND) uarantee all materials and workmanship free FLOOR BOX AS MANUFACTURED BY STEEL CITY OR EQUAL, a period of not less than (1) year from date UNLESS NOTED. nless indicated of specified otherwise. JUNCTION BOX defects shall be completed without JUNCTION BOX FOR FUTURE LANDSCAPE LIGHTING ⊢ ⊖ – 1 4' and shall include replacement or repair of of the installation which may have been TV OUTLET Ю ▼ COMMUNICATION & DATA STRUCTURAL OUTLET tor shall provide temporary service for use COMBINATION. S SINGLE POLE SWITCH to be removed by contractor. S³ THREE WAY SWITCH tor shall verify requirements, exact or outlet for all electrical fixtures, S4 FOUR WAY SWITCH ■ or S^B SERVICE BREAKER (FACTORY INSTALLED) Coordinate requirements with architect. 600 volt insulation, type THWN CEILING FAN CONTROL SWITCH COMBINATION its and type THWN, THHN for main feeders or as S^D DIMMER SWITCH on copper conductor. Wire size #10 and T LOW VOLTAGE TRANSFORMER HN", wire size #8 and larger type "THWN" or EXHAUST FAN sized as required, per NEC, unless O, MOTOR STARTER OR CONTROL PANEL eder and branch circuits shall be properly ☑ COMBINATION STARTER all be in conduits. All conduits shall be \Box DISCONNECT SWITCH – WP INDICATES WEATHERPROOF (TYP.) (IMC) or rigid galvanized steel (RGS) except oly vinyl chloride (PVC) conduits may used in DISCONNECT SIZE (3 DENOTES NO. POLES, bs at underground provided elbows and riser are 60 DENOTES DISCONNECT RATED AMPERAGE, ctrical metallic tubing (EMT) may be used in or 40 DENOTES FUSE SIZE [NF DENOTES NON-FUSED] eilings where not subject to mechanical damage, 120 V 120V SMOKE ALARM (EQUAL TO KIDDE MODEL PI2000) CONNECTED TO ns or corrosive conditions; (c) liquid tight LINE SIDE OF LOCAL CIRCUIT. its where required; (d) flexible metallic ALL SMOKE ALARMS SHALL BE INTERCONNECTED. required in dry locations. All conduit eas (per NEC) shall meet the requirements of NEC 120 V 120V COMBINATION CARBON MONOXIDE / SMOKE ALARM (EQUAL TO KIDDE

stic coating to all metallic conduits in slabs ınd.

ntractor shall verify circuit protective device uipment prior to construction. recommended by equipment manufacturer.

install disconnect switches and wiring for air systems as per manufacturer recommendations. to be supplied by air conditioning contractor. and control wiring and required control for air condition systems as shown/noted on

gs and per other applicable drawings/instrucdrawings. ntractor to run control wires for HVAC system drawings.

wiring must be in conduit (Romex, BX, etc. unless specific permission is obtained from ering or local inspector).

10. PROVIDE AN ARC-HAZARD WARNING LABEL TO ALL PANELBOARDS PER NEC 110. 11. VOLTAGE DROP FOR FEEDERS & BRACH CIRCUIT SHALL

BE SIZED NO LESS THAN FBC-E C405.6.3 12- DESIGN: THE INSTALLATION OF THE WIRING SYSTEM SHOWN ON THESE DWGS. SHALL CONFORM TO THE REGULATIONS OF FBC 2020(7TH EDITION), LOCAL ORDINANCES, N.E.C. 2017 AND LOCAL UTILITY COMPANY

13- MINIMUM STANDARDS: THE MATERIAL, INSTALLATIONS AND WORKMANSHIP FURNISHED UNDER THIS SECTION SHALL CONFORM TO THE REQUIREMENTS OF FBC 2020, N.E.C. 2017 & ALL MATERIALS USED SHALL BE LISTED OR BEAR U.L.

14- ALTERATIONS TO EXISTING WORK BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE THE RESPONSIBILITY OF THE CONTRACTOR TO CARE-FULLY EXAMINE THE BUILDING AND THE GROUNDS AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED

15- ANY EXISTING INSTALLATION PROBLEMS OR EXISTING CODE VIOLATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO BIDDING.

16- ANY ELECTRICAL WORK WHICH WILL INTERFERE WITH THE BUILDING RESIDENTS NORMAL OPERATION SHALL BE NOTIFIED IN ADVANCE TO THE BUILDING OWNER OR MANAGER AND SHALL BE DONE AFTER BUILDING NORMAL OPERATION HOURS OR ON WEEKENDS. 17- ALL DEVICES, EQUIPMENT, ETC. WHETHER SHOWN OR NOT, TO BE PROPERLY CONNECTED ELECTRICALLY, UNLESS SPECIFICALLY NOTED TO BE REMOVED.

ELECTRICAL PANEL

(CS)

MODEL KN-COSM-IB) CONNECTED TO LINE SIDE OF LOCAL CIRCUIT, AND

SHALL BE INTERCONNECTED WITH SMOKE ALARMS.

V	<u>velling units)</u>
	NOTE: ALL EMERGENCY GENERATOR OR HAVE BATTERY BACKUP RATED FOR 90 MINUTES
	NOTE: ALL EXIT SIGNS GENERATOR OR HAVE BATTERY BACKUP RATED FOR 90 MINUTES
	EMERGENCY/EXIT LIGHT COMBO HAVE BATTERY BACKUP RATED FOR 90 MINUTES
	4' FLUORESCENT LIGHT STRIP
	WALL MOUNTED LIGHT FIXTURE
	2x4 FLUORESCENT LIGHT FIXTURE
	2x2 FLUORESCENT LIGHT FIXTURE
	SURFACE MTD. FLUORESCENT LIGHT FIXTURE
)	CEILING FAN
	NOTE 1: NEW TELEPHONE/DATA OUTLETS IN NEW PARTITIONS ARE PROVIDED WITH EMPTY ~8" CONDUIT ONLY, STUBBED 6" ABOVE THE CEILING. EXISTING PARTITIONS RECEIVE EMPTY J-BOXES ONLY (NO CONDUIT PROVIDED). FACE PLATES, JACKS & CABLING BY TENANT.
	NOTE 2: ALL ITEMS AND SYSTEMS ARE NEW EXCEPT WHERE INDICATED OTHERWISE. REFER TO THE FOLLOWING NOMENCLATURE CONCERNING EXISTING ITEMS OR SYSTEMS.
	EX. DENOTES EXISTING TO REMAIN N DENOTES NEW

ER. DENOTES EXISTING TO BE RELOCATED





		SPLIT AC UNIT SCHEDUL	AHU-1
		TA SERVED	SEE PLAN
		ATION	CEILING
		RATING WEIGHT, LBS	134
		IGN MANUFACTURER	RHEEM
		DEL NUMBER	RBHP-25
	SEE		16.0
	REF	RIGERANT TYPE	R-410
	-	TOTAL AIR, CFM	1800
	ION	VENT AIR, CFM	
	SECTION	EXTERNAL STATIC PRESSURE, " WATER	0.50
		FAN MOTOR HP. (NON-OVERLOAD)	3/4
L L	FAN	ELECTRICAL SERVICE AVAILABLE	208/1/60
N N		FACE VELOCITY - FPM	
Ч	COIL	DESIGN AIR ACROSS COIL, CFM.	1800
AN		GRAN TOTAL CAPACITY, BTU/HR	56,000
AIR HANDLE	CLG.	TOTAL SENSIBLE CAPACITY, BTU/HR	39,100
Ā		ENTERING AIR TEMP., ^O F DB/WB	80/67
	~	TYPE & THICKNESS	1" THROWAWA
	TER	QUANTITY AND SIZE	
	L L	FACE VELOCITY FPM. MAX.	
	1	HEAT COIL TYPE	ELECTRIC
ł	¥	ELECTRICAL SERVICE AVAILABLE	240/1/60
-	HEATER	AUXILIARY ELECTRIC HEAT, KW	7.5
	Ï	STAGES & KW PER STAGE	1/7.5
		MIN. CIRC. AMP	53
		MAX. CIRC. PROT.	60
		UNIT DESIGNATION	CU-1
		TYPE OF FAN	PROPELLER
		NO. OF FANS AND AMPS	1/3.5
		AMBIENT AIR TEMP. 'F DB	95
		CONDENSING TEMP. °F DB	
	E	NO. OF COMPRESSORS/ TYPE	1/SCROLL
	S	COMPRESSORS R.L.A./L.R.A. EACH	23.7/152.5
	NG	CAPACITY REDUCTION.	0-100%
	INSI	MIN. CIRC. AMP	34
	NDE	MAX. CIRC. PROT.	50
	S	ELECTRICAL SERVICE AVAILABLE	240/1/60
	COOLED CONDENSING UNIT	OPERATING WEIGHT, LBS	240
	JOL	DESIGN MANUFACTURER	RHEEM
		MODEL NUMBER	RA1660A
			I (A)
	AIR	REFRIGERANT PIPE SIZE, SUCTION (IN. OD)	(4)

NOTES:

1. ALL THERMOSTATS SHALL BE PROGRAMMABLE.

2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH FACTORY INSTALLED CIRCUIT BREAKER.

3. SYSTEMS TOTAL UNIT RUNNING LOAD AMPS ARE INDICATED AT COMPRESSORS FLA LINE.

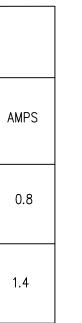
4. REFER TO MANUFACTURER'S SPECIFICATIONS FOR REFRIGERANT PIPE SYSTEM.

5. PROVIDE FACTORY VERTICAL SPLIT EVAPORATOR COILS. SYSTEM SHALL BE COMPLETE WITH THERMAL EXPANSION VALVE, CONTROL TRANSFORMER, AND ALL OTHER REQUIRED ACCESSORIES.

		Fan	I SCH	EDULE	-			
FAN TAG.	MANUF. MOD.	S.P	CFM	MOTOR HP	RPM	SONES	VOLT/PH/HZ	A
EF-1	SOLER AND PALAU MODEL FF-50	0.125	50	-	1870	4.4	120/1/60	
EF-2	SOLER AND PALAU MODEL FFC-400	0.25	300	_	775	1.4	120/1/60	

					V02-[(KP X P2		-				
		Rp	Pz	Vbzp	Ra	Az	Vbza	Vbz	Ez	Voz	Vot
VENT. ZONE	UNIT#	O/A RATE PER PERSON	QTY. AIR RATE PEOPLE	VENT. BASED ON PEOPLE	O/A RATE BASED ON AREA	AREA	VENT. BESED ON AREA	TOTAL VENT. RATE	ZONE AIR DISTRIB. EEF	ZONE O/A =Vbz/Ez	PROVIDED CFM
	AHU-1 AHU-2										
HANADARANDOTES	AND SC	HEDUI2€S	18	360	0.12	1420	170.4	530.4	1	530	530

	AHU-2
	SEE PLAN
	CEILING
	117
	RHEEM
	RBHP-21
	16.0
	R-410
	1000
	0.50
	1/2
	1/2 240/1/60
	1000
	36,000
	25,600
	80/67
1″	THROWAWAY
	240/1/60 5.0
	1/3.7
	<u>27</u> 30
	CU-2
	PROPELLER
	1/0.8
	95
	1/SCROLL
	1/SCROLL 15.4 / 83.9
	0-100%
	<u>21</u> 35
	240/1/60
	199
	RHEEM
	RA1636A
	(4)
	4



		DEVICE TYPE	I FGEND.					Device t	YPE
			IG GRILLE SUPPL	Y		CFM —	3 00		
	│				AUTOMA	tic motorized volum	e damper —		
		$\sqrt{-1}$ RUG = CEILING	GRILLE RETU	τN		THERMO	stat (T)		
	NOTES:					smoke dete	CTOR (SD)		
	A BY ARCHIT 2. DEVIC 3. AIR D B ARROW(S). 4. IF NE 5. PROVI PROVIDE O 6. WHER	IDE CEILING DEVICE ECT. ES SHALL BE PRO' EVICES SHALL BE CESSARY, PROVIDE IDE EQUALIZING GR PPOSED BLADE DA E 3-WAY THROW II IDE OPPOSED BLAD	VIDED WITH FACT 4-WAY THROW U TOP HAT FOR G ID (PRICE MODEL MPER (PRICE MO S NOTED, INSTAL	ORY FINISH NLESS NOT RILLES ANI EG.) FOR DEL D-57) L BAFFLES	ED OTHERWISE C DIFFUSERS. DIFFUSERS TAPP	EILING OR WALL DR SHOWN ON PL ED DIRECTLY FR(TYPE AS	I DIRECTION	NAL
	7. FIOV	IDE OFFOSED DEAD							
					HVAC DES	IGN SCHEDU	JLE.		_
					HVAC DESIGN REQU	RES:	YES	NO	
					DUCT SMOKE DETEC	TOR(S)	YES		
	<u> </u>				FIRE DAMPER(S)			NO	
	CD	CONDENSA	TION LINE		SMOKE DAMPER(S)			NO	
	RP	REFRIGERA	TION PIPE		FIRE RATED ENCLOS	URF		NO	
	DUCTWORK IN	SULATION (FE	BC 2017)		FIRE RATED ROOF/F				
	LOCATION	SUPPLY DUCT	RETURN DUC	r	CEILING ASSEMBLY			NO	
	EXTERIOR OF BUILDING	R-6	R-4.2		FIRE STOPPING			NO	
		R-6	R-4.2	_	SMOKE CONTROL			NO	
	UNVENTED ATTIC ABOVE	R-6	R-4.2						
	UNVENTED ATTIC WITH ROOF INSULATION	R-4.2	NONE	1					
	UNCONDITIONED SPACES	R-4.2	R-4.2						
*	INDIRECTLY CONDITIONED	NONE	NONE						

NONE

NONE

R-4.2

NONE

NONE

NONE

AIR DEVICE SCHEDULE

NECK

0 - 125 CFM = 6"ø

130 - 150 CFM = 6"ø

160 – 275 CFM = 8"ø

280 - 390 CFM = 10"ø 400 - 500 CFM = 12"ø

SEE PLANS

SEE PLANS

TYPE

MANUF./CAT NO.

TITUS SUPPLY WALL GRILLE

MODEL 300

TITUS RETURN CEILING GRILLE

MODEL 355R

FRAME

see plans

see plans

see plans

FINISH

BAK. WHT. ENAMEL

BAK. WHT. ENAMEL

BAK. WHT. ENAMEL

— M

ES RS.	IN THE NECK OF DIFFUSERS.			
	HVAC DESIGN SCHED	ULE.		
	HVAC DESIGN REQUIRES:	YES	NO	REMARKS
]	DUCT SMOKE DETECTOR(S)	YES		
	FIRE DAMPER(S)		NO	
	SMOKE DAMPER(S)		NO	
	FIRE RATED ENCLOSURE		NO	
	FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		NO	
	FIRE STOPPING		NO	
	SMOKE CONTROL		NO	

ASHRAE STANDARD 62.1-2004 OUTSIDE AIR CALCULATION $V_{07}=[(R_{D} \times P_{7})+(R_{2} \times A_{7})]/F_{7}$

SPACES

BURIED

CONDITIONED SPACES

* APPLY FOR THIS PROJECT,

NOTE: DRYER EXHAUST DUCT SHALL BE INSULATE WITH R-6

H.V.A.C. NOTES

1. ALL WORK SHALL BE AS PER 2017 6TH EDITION F.B.C. AND NFPA

2. ALL HEATING AND AIR CONDITIONING DUCT WORK SHALL BE GALV METAL, DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS, INSULATION (1.5" THICK R-6). ALL BATHROOM AND DRYER EXHAUST DUCTS SHALL BE 30 GA. GALV. METAL WITHOUT INSULATION. HOOD EXHAUST DUCT SHALL BE 26 GA. GALV. METAL WITHOUT INSULATION AND W/WIRE MESH. PROVIDE A UV LIGHT IN EACH AIR HANDLING UNIT.

3. DUCT WORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS & ACCORDING TO ASHRAE & SMACNA STANDARDS AND IN COMPLIANCE WITH UL 181.

CLASS 1 MATERIALS IN ACCORDANCE WITH U.L. 181 TESTS.

5. COORDINATE LOCATIONS, SIZES & OPENINGS W/OTHER TRADES ON THE JOB. A/C CONTRACTOR SHALL PROVIDE THE COMPLETE DUCT SYSTEM W/TURNING VANES AT ALL ELBOWS. SPLITTERS AND DAMPERS AS REQUIRED. A/C CONTRACTOR SHALL USE THE BEST PRACTICES OF THE TRADE IN THE FABRICATION AND INSTALLATION OF THE SYSTEM.

TO MAINTAIN THE FOLLOWING DESIGN CONDITIONS:

INSIDE OUTSIDE 90 DB -COOLING - 76 DB heating – 72 db 45 – DB

ON PLANS, AT 5'-0" A.F.F.

AND INSTALLATION.

10. CONTRACTOR SHALL FIELD VERIFY/COORDINATE ALL CONDITIONS AND PARAMETERS W/OTHER TRADES INVOLVED W/THE PROJECT.

11. REFRIGERANT PIPING (SUCTION) SHALL BE INSULATED WITH MINIMUM 3/4" THICK ARMAFLEX INSULATION.

12. ALL AIR HANDLING UNITS SHALL BE INSTALLED WITH 4" CLEARANCE ALL AROUND INSIDE MECHANICAL CLOSET.

13. PLACE ALL GRILLS MIN. 12" AWAY FROM WALLS TO ACCOMMODATE FOR DRYWALL AND MOLDINGS.

14. HVAC SYSTEMS SPECIFIED ON THIS PLAN AND INSTALLED AT THE PROJECT SITE WILL NOT BE USED AND IN OPERATION DURING WOOD FLOOR SANDING PROCESS.

15. UPON COMPLETION OF CONSTRUCTION, PRIOR TO THE DELIVERY OF THE HVAC SYSTEMS, ALL AIR HANDLING UNITS (COILS AND FAN SECTION) WILL BE CLEANED.

16. AT THE TIME OF INITIAL HVAC SYSTEM START-UP, THE FOLLOWING STEPS WILL BE FOLLOWED:

- A. COMPLETE HVAC SYSTEM WILL BE BALANCED AT EACH ZONE, WITHIN 5% OF SPECIFIED VALUES.
- B. FAN SPEED SETTING AT EACH AIR HANDLING UNIT WILL BE VERIFIED AGAINST THE TOTAL AIR FLOW AND SUPPLY AIR TEMP. AT AHU DISCHARGE. C. SUPPLY AIR TEMPERATURE READINGS WILL BE RECORDED AT AHU DISCHARGE
- and at the remotest supply air diffuser / grille. D. RETURN AIR TEMPERATURE READINGS WILL BE RECORDED AT EACH AHU ZONE.
- E. SUPPLY AND RETURN AIR DIFFERENTIAL IN THE RANGE OF 15 –20 DEG. WILL BE OBSERVED; OTHERWISE, FAN SPEED SETTINGS WILL BE MODIFIED INORDER TO ACHIEVE SUCH READINGS.
- F. SUPPLY AIR TEMPERATURE READING AT EACH AHU DISCHARGE POINT, (RECORDED BY PROBE TYPE INSTRUMENT INSERTED DIRECTLY INTO THE AIR STREAM) WILL NOT BE LOWER THAN 53 DEG. F. OR HIGHER THAN 58 DEG. F.; OTHERWISE FAN SPEED SETTINGS WILL BE CHANGED.
- G. ALL OF THE START-UP TESTS NOTED ABOVE WILL BE CARRIED OUT, AFTER THE Systems have been running for a period of 24 hours.
- H. AT THE CONCLUSION OF THE START UP TESTING, ALL DUCT WORK WITHIN THE ATTIC SPACE WILL BE OBSERVED FOR SIGN OF CONDENSATION ON DUCT SURFACE, DAILY, FOR A PERIOD OF ONE WEEK.
- I. IN THE EVENT THAT TEMPERATURE READINGS AND / OR AIR FLOW QUANTITIES, ARE FOUND TO DIFFER FROM THE PARAMETERS NOTED ABOVE, AND / OR CONDENSATION IS OBSERVED ON THE DUCT SURFACE WITHIN THE ATTIC SPACE, PROJECT ARCHITECT AND ENGINEER WILL BE NOTIFIED FOR FURTHER EVALUATION AND IMPLEMENTATION OF CORRECTIVE MEASURES.



4. DUCT DIMENSIONS ARE IN INCHES AND CORRESPOND TO INSIDE DIMENSIONS WIDTH x HEIGHT. DUCT SYSTEM SHALL COMPLY WITH NFPA STD. NO. 90A AND/OR 90B. DUCTWORK AND MATERIALS SHALL BE

6. ALL SUPPLY AIR AND RETURN AIR GRILLES/DIFFUSERS SHALL BE NEW, AND SHALL BE LOCATED AND BALANCED IN ORDER THAT THEY DELIVER THE REQUIRED CFM TO THE ENTIRE ROOM EVENLY & DRAFT FREE

DE	RELATIVE HUMIDITY
79 WB	50% TO 60%

7. ALL TEMPERATURE CONTROLS SHALL BE DIGITAL PROGRAMMABLE THERMOSTAT MOUNTED WHERE SHOWN

8. ALL NEW GRILLES AND DIFFUSERS TO BE ALUMINUM CONSTRUCTION. DIFFUSERS SHALL HAVE HIDDEN OPPOSED BLADE DAMPERS. PROVIDE GASKETS ON ALL GRILLES & DIFFUSERS.

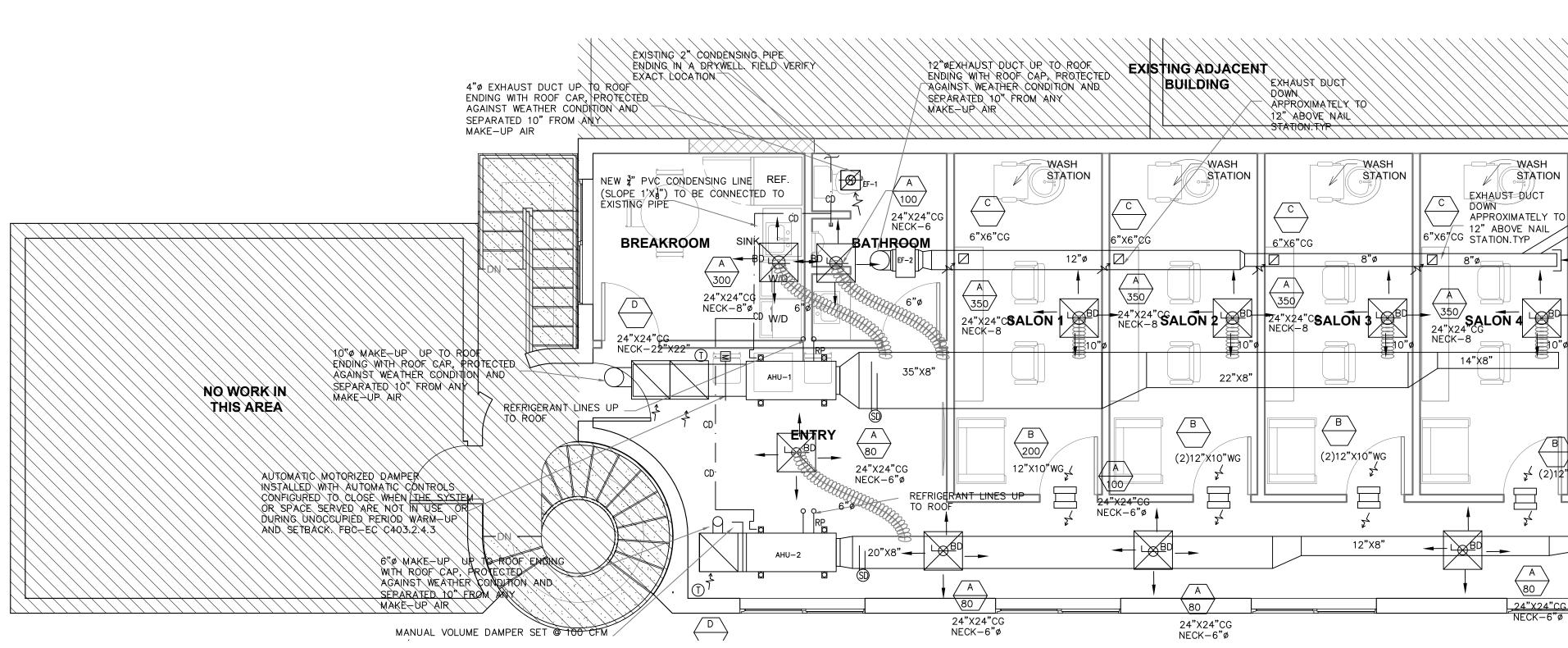
9. PROJECT ARCH. SHALL REVIEW AND APPROVE ALL DIFFUSER TYPES & FINISHES PRIOR TO PURCHASE

DATE 01.13.2021 DRAWN BY S.D. REVIEWED BY C.J.B.

знеет М-100

PROJECT NUMBER 2101



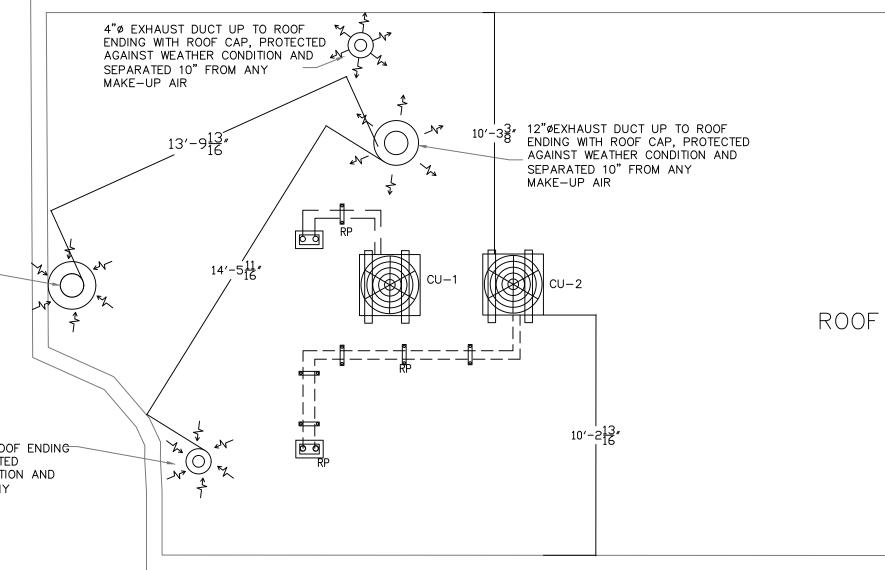


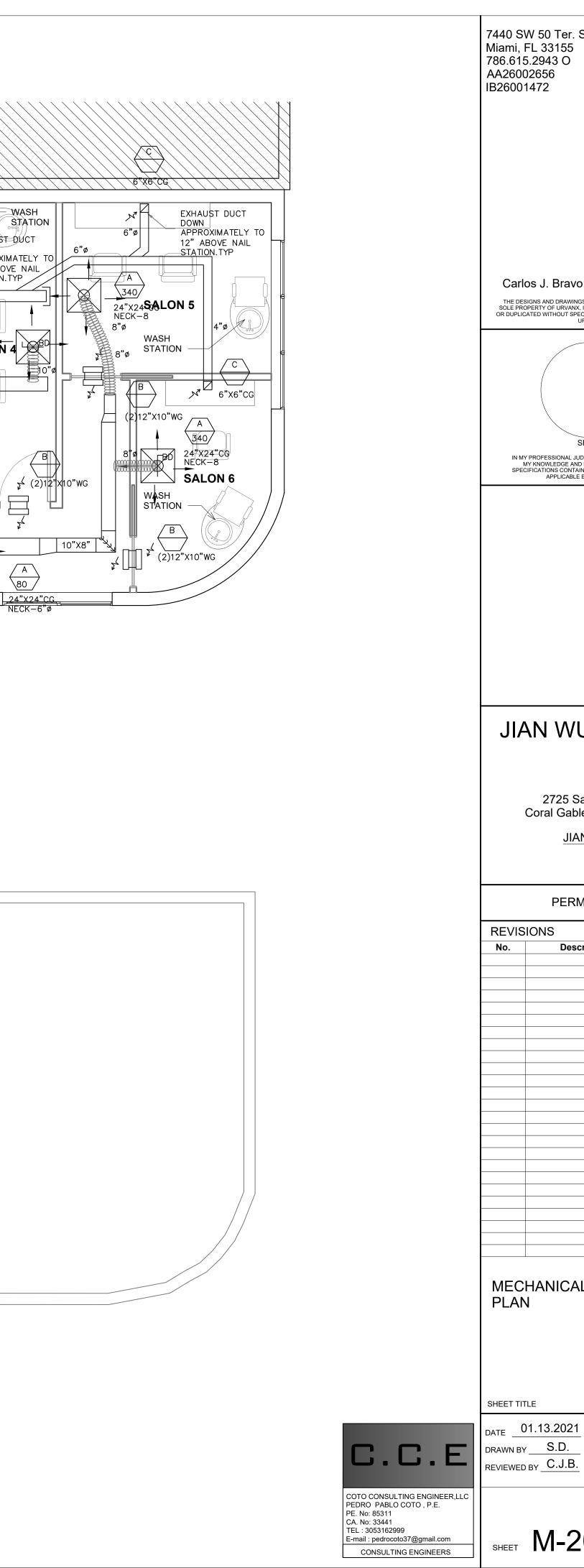
z (MECHANICAL FLOOR PLAN [/] 1/4" = 1'-0"

> 12"ø MAKE-UP UP TO ROOF ENDING WITH ROOF CAP, PROTECTED AGAINST WEATHER CONDITION AND SEPARATED 10" FROM ANY MAKE-UP AIR

> > 6"Ø MAKE-UP UP TO ROOF ENDING WITH ROOF CAP, PROTECTED AGAINST WEATHER CONDITION AND SEPARATED 10" FROM ANY MAKE-UP AIR

1 ROOF PLAN PLAN 1/4" = 1'-0" z



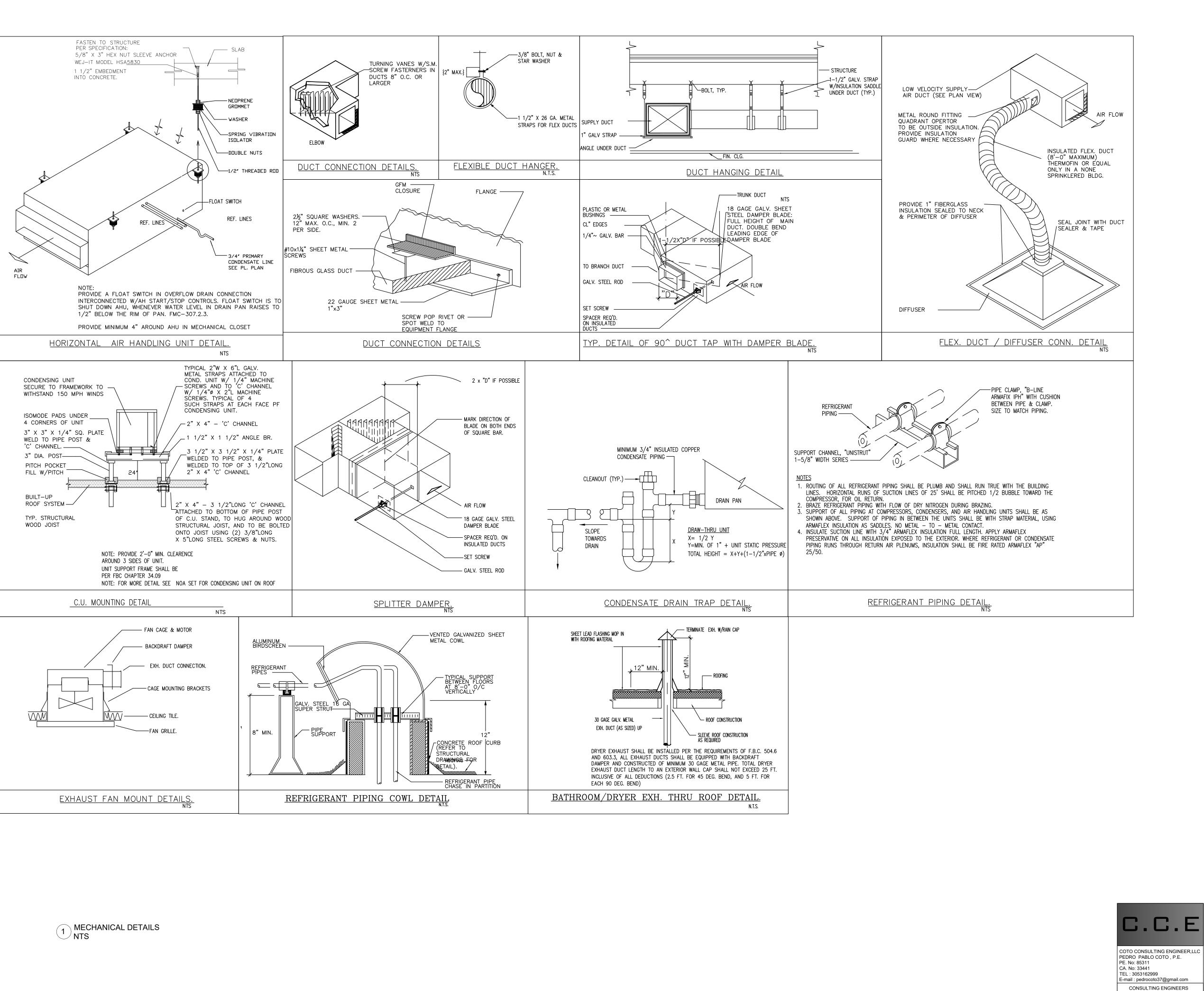




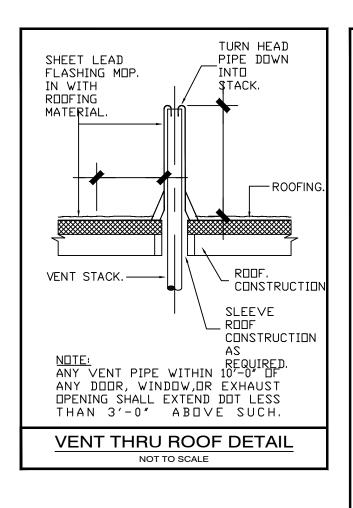
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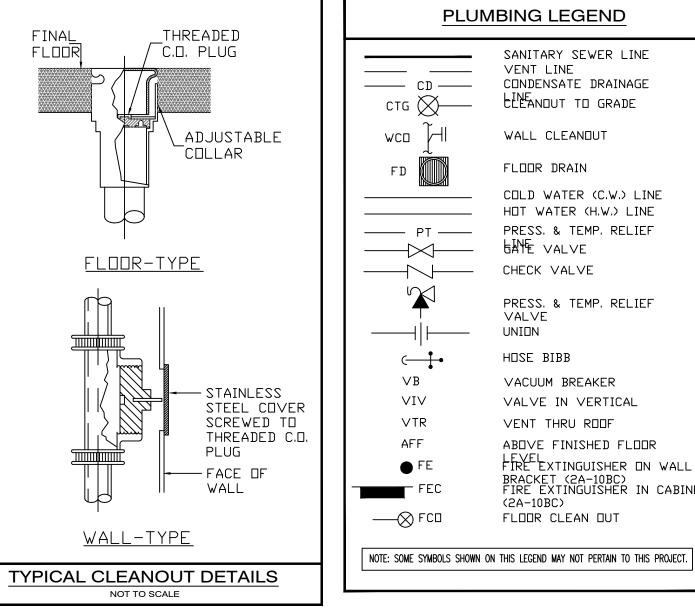
PROJECT NUMBER

2101



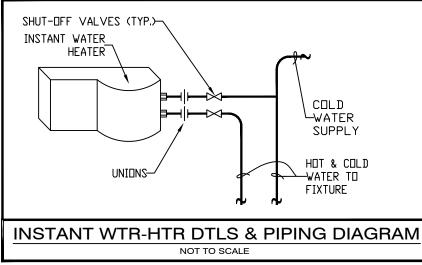






PLUMBIN	NG FIX	TUR	E CO	NNECT	TION SCHEE
FIXTURE TYPE	TRAP SIZE	C.W.	H. W .	* FLOW RATE (gpm) DES
WATER CLOSET	3"	1/2"	_	1.6	*
LAVATORY	2"	1/2"	¥"	1.5	
BATH TUB	2"	1/2"	1⁄2"	4	w/ ANTI-SCALD
SHOWER	2"	34"	3⁄4"	1.5	w/ ANTI-SCALD \
BIDET	2"	1/2"	¥2"	2	w/ ANTI-SCALD
KITCHEN SINK	2"	1/2"	1⁄2"	2.5	w/ GARBAGE DISF
DISHWASHER UNIT.	1.5"	-	1⁄2"	2.75	DISCHARGE INTO
SINK	2"	1/2"	1⁄2"	3	
WASHING MACHINE	1.5"	1/2"	1⁄2"	-	
REFRIGERATOR	-	1/2"	_	-	PROVIDE S.O.V., IN- BACKFLOW DEVICE.

NOTE: ALL DRAIN PIPING UNDER SLAB SHALL BE 2" MIN, 2" & LESS Ø DRAIN @ 1/4" DROP, 3" & 4" AND UP Ø DRAIN @ 1/8" DROP * ALL FLOW RATE SHALL BE PER F.B.C. TABLE 604.4 & AMENDMENTS BY MIAMI-DADE ORD. ON CHAPTER 8-31.



SANITARY SEWER LINE CONDENSATE DRAINAGE LINEANDUT TO GRADE

COLD WATER (C.W.) LINE HOT WATER (H.W.) LINE PRESS, & TEMP, RELIEF

CHECK VALVE

PRESS. & TEMP. RELIEF

VACUUM BREAKER VALVE IN VERTICAL

VENT THRU ROOF ABOVE FINISHED FLOOR FIRE EXTINGUISHER ON WALL BRACKET (2A-10BC) FIRE EXTINGUISHER IN CABINE

FLOOR CLEAN OUT

SCHEDULE

DESCRIPTION

ANTI-SCALD VALVES

NTI-SCALD VALVES

ANTI-SCALD VALVES

GARBAGE DISPOSAL UNIT

HARGE INTO GARBAGE DISPOSAL

E S.O.V., IN-LINE FILTER &

COLD **WATER** SUPPLY HOT & COLD └──WATER TO FIXTURE

PIPI	NG MAT	ERIALS SCH	IEDULE

SERVICE	SIZE	MATERIAL	SCHEDULE/TYPE	INSULATION		REMARKS
JEINIGE				TYPE	THICKNESS	NEMAINAS
COLD WATER	ALL	COPPER	type l	FG	1″	SEE NOTE 2
HOT WATER	ALL	COPPER	type l	FG	1″	SEE NOTE 2
SANITARY	ALL	C.I. OR P.V.C.	SERVICE WEIGHT	NONE	-	NO HUB
VENT	ALL	C.I. OR P.V.C.	SCH. 40	NONE	-	see note 1
ST BELOW GRADE	ALL	c.i. or p.v.c.	service Weight	NONE	-	NO HUB
ST ABOVE GRADE	ALL	C.I. OR P.V.C.	service Weight	FG	1″	NO HUB
CONDENSATE	ALL	P.V.C.	SCH. 40	FG	1″	see note 3

<u>NOTES:</u> WASTES AND VENT PIPING IN PLENUM SPACE SHALL BE SERVICE WEIGHT CAST IRON, NO HUB.

FIBERGLASS PIPE INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. SEMIRIGID

BOARD MATERIAL WITH FACTORY-APPLIED ASJ COMPLYING WITH ASTM C 1393, OR WITH PROPERTIES SIMILAR TO ASTM C 612. NOMINAL DENSITY IS 2.5 LB/CU. FT. OR MORE. THERMAL CONDUCTIVITY (K VALUE) AT 100'F

(55°C) IS 0.29 BTU X IN./H X SQ.FT. X DEG. F (0.042 W/M X K) OR LESS. ALL SERVICE JACKET (ASJ): KRAFT-PAPER, FIBERGLASS-REINFORCED SCRIM WITH ALUMINUM-FOIL BACKING; COMPLYING WITH ASTM C 1136,

TYPE MANUFACTURERS; A. CERTAINEED CORP., B. JOHNS MANVILLE, C. KNAUF INSULATION, D. OWENS

HEAT TRACE FREEZE LINE. COORDINATE WITH KITCHEN EQUIPMENT PROVIDER AND FREEZER REQUIREMENTS.

VALVE TAG & SCHEDULE NOTES:

- VALVE TAGS: STAMPED OR ENGRAVED BRASS TAG WITH 1/4 INCH LETTERS FOR PIPING SYSTEM ABBREVIATION AND 1/2 INCH NUMBERS, WITH NUMBERING SCHEME.
- VALVE SCHEDULES: FOR EACH PIPING SYSTEM ON STANDARD SIZE BOND PAPER, TABULATE VALVE NUMBER, PIPING SYSTEM, SYSTEM ABBREVIATION (AS SHOWN ON VALVE TAG), LOCATION OF VALVE (ROOM OR SPACE), NORMAL-OPEATING POSITION (OPEN, CLOSED, MODULATING), AND VARIATIONS FOR IDENTIFICATION. MARK VALVES FOR EMERGENCY SHUTOFF AND SIMILAR SPECIAL ISSUES.
- A. VALVE SCHEDULE FRAMES: GLASS DISPLAY FRAME FOR REMOVABLE MOUNTING ON WALLS FOR EACH PAGE OF VALVES SCHEDULE. INCLUDE MOUNTING SCREWS.

B. FRAME: EXTRUDED ALUMINUM.

NOTES

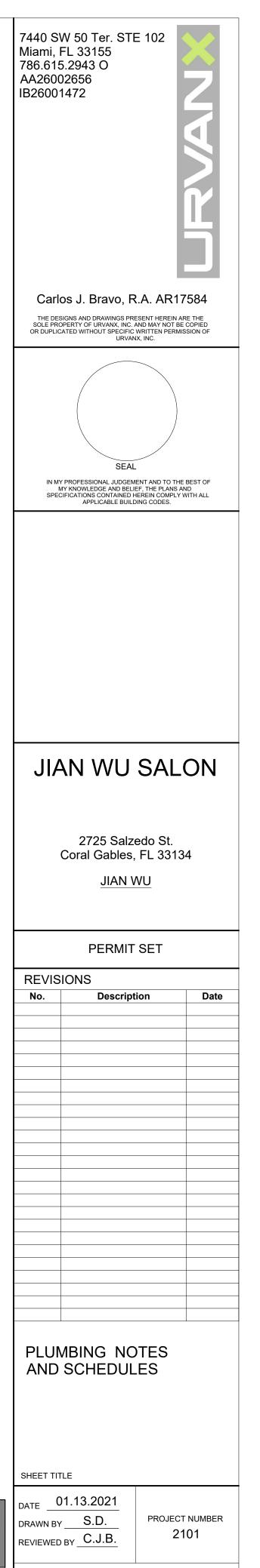
- ALL WASTE PIPING JOINTS SHALL BE SOLDERED, OR SOLVENT CEMENTED SO AS TO FORM A SOLID CONNECTION PER F.B.C. 405.8 CRITERIA, IF NO ACCESS IS PROVIDED FOR SUCH PIPE CONNECTIONS.
- A WATER-HAMMER ARRESTORS SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED, UNLESS OTHERWISE APPROVED. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010. ACCESS SHALL BE PROVIDED TO WATER-HAMMER ARRESTORS.
- ALL STORM DRAINAGE RUN OFF FROM ROOF AND TERRACES SHALL TERMINATE AT GRASSY AREA, AND SHALL BE RETAINED WITHIN THE PROPERTY. SEE ARCHITECTURE PLAN.
- AL AIR ADMITTANCE VALVES LOCATION SHALL BE PER F.B.C. 917.3.1.
- SEE ARCHITECTURAL PLANS FOR ALL OCCUPANCY LOADS OF COMMON AREAS.
- ALL PLUMBING WATER DEVICE PROVIDE SHUTT-OFF VALVE.
- PLUMBING FIXTURES SHALL COMPLY WITH REFERENCED STANDARDS AS PER F.B.C. 2007 PLUMBING CHAPTER: 4.
- ALL THE CIRCULATING PIPING INSULATION SHALL COMPLY BY F.B.C. 2007 TABLE 607.1.

WATER HAMMER ARRESTOR SCHEDULE.		
$ \begin{bmatrix} I \\ I \\ I \end{bmatrix} = \begin{bmatrix} INSTALLED & ARRESTORS SHALL BE APPROVED DEVICE BY FLORIDA PLUMBING CODE. ALL SUPPLY PIPING SHALL HAVE ARRESTOR THE SAME SIZE AS CONNECTION SIZE UP TO 1" I.E. PROVIDE P.D.I. SIZE "C" FOR 1" OR LARGER WATER SUPPLY TO FIXTURES, P.D.I. SIZE "B" FOR 3/4" SUPPLY AND P.D.I. SIZE "A" F OR 1 / 2" S U P P L Y. \\ \end{bmatrix} $		
* P.D.I. SIZE	CONNECTION SIZE	
A (1–11 F.U.)	1/2"	
B (12–32 F.U.)	3/4"	
C (33–60 F.U.)	1*	
* P.D.I.= PLUMBING AND DRAINAGE INS	TITUTE STANDARD WH-201	

PLUMBING GENERAL NOTES

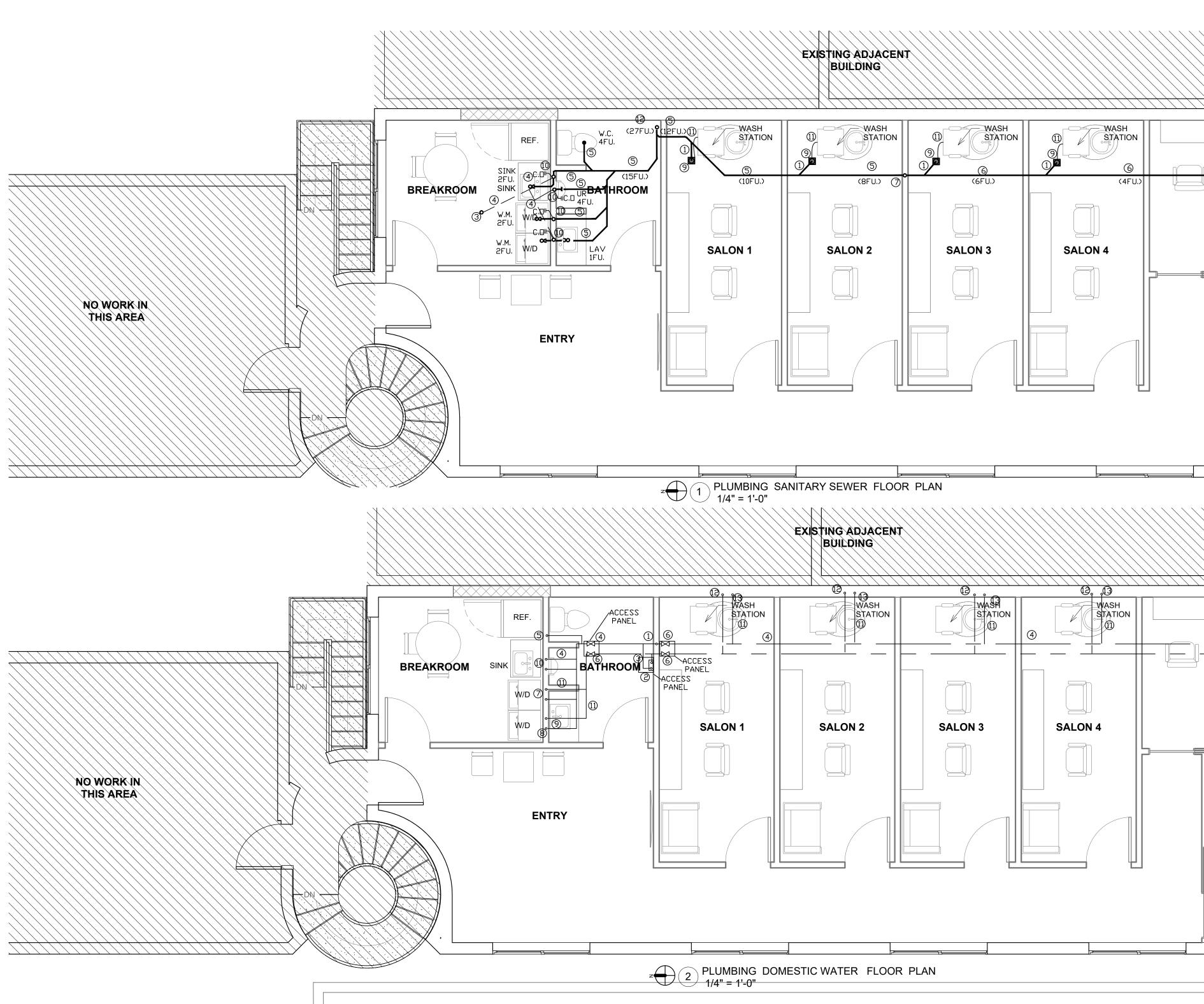
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND GOVERNING AUTHORITIES. I.E.: FLORIDA BUILDING CODE 2020 7TH EDITION.
- ALL SANITARY PIPING 2-1/2" OR LESS SHALL HAVE A 1/4" PER FOOT SLOPE. ALL SANITARY PIPING 3" OR LONGER SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. ALL STORM WATER PIPING 2—1/2" Shall have 1/4" per foot minimum horizontal slope. All storm water piping 3" or LARGER SHALL HAVE 1/8" PER FOOT MINIMUM SLOPE UNLESS OTHERWISE INDICATED.
- VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. ACCEPTABLE MANUFACTURERS: JOSAM, WATTS AND SIOUX CHIEF. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER ARRESTORS AS SPECIFIED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- ALL WATER SUPPLY AND SANITARY LINES SHALL RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES SIZING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR FIXTURES.
- CHANGES IN THE DIRECTION OF SANITARY AND STORM DRAINAGE PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT. I.E.: USE SANITARY TEE IN HORIZONTAL CONNECTION, USE OF DOUBLE SANITARY TEE IN A VERTICAL STACK, USE OF SHORT RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION CONNECTION
- CONTRACTOR SHALL GIVE 24 HOURS NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
- ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF NATIONAL SANITATION FOUNDATION.
- where sanitary sewer lines cross underground water supply lines installation shall comply with the 2007 Florida plumbing code, article 603.2 constructed of ductile iron pipe (10' each SIDE OF WATER MAIN) OR THE WATER LINES SHOULD BE MODIFIED TO PROVIDE 8" MINIMUM CLEARANCE.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER VALVE AND FITTINGS UNLESS NOTED OTHERWISE.
- THE PLUMBING CONTRACTOR MAY BE REQUIRED TO DROP PIPE OUTSIDE OF THE BUILDING TO REQUIRED DEPTH TO PROVIDE CONNECTION TO AREA DEVELOPMENT UTILITY STUB. ALL DROPS IN DEPTH SHALL BE MADE WITH USE OF 45' FITTINGS.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. EXPOSED PIPING SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE
- SLEEVE AND FIRE STOP ALL PENETRATIONS (IF ANY) OF RATED WALLS, FLOORS, CEILINGS, ETC., IN ACCORDANCE WITH APPLICABLE U.L. STANDARDS AND LOCAL CODES TO MAINTAIN RATINGS. REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR RATED WALLS, CEILINGS AND FLOOR INFORMATION.
- All water piping installed in exterior walls be placed on the interior side wall. The wall insulation shall be placed on the exterior side of the pipe.
- SEE RISER DIAGRAMS FOR BRANCH PIPING DETAILS AND SIZES NOT SHOWN ON PLANS.
- COLD AND HOT WATER PIPING SHALL BE COPPER WATER TUBE (ASTM B88) TYPE "L" WITH WROUGHT-COPPER (ANSI 16.22), OR CAST BRASS (ANSI B16.18). PRESSURE FITTINGS AND ALLOY GRADE (ANSI-ASTM B32) 95TA LEAD-FREE SOLDER JOINTS. DISINFECT WATER PIPING AFTER PRESSURE TEST (WITH CHLORINE SOLUTION 50 MG-L) FOR 24 HOURS. FLUSH LINES CLEAN AFTER COMPLETION.
- SOIL, WASTE AND VENT PIPING SHALL BE P.V.C.: ASTM D2665 SCHEDULE 40. FITTINGS: P.V.C. DWV, JOINTS: ASTM WELD. PROVIDE CAST IRON PIPE AND FITTINGS FOR SOIL, WASTE AND VENT PIPING LOCATED IN CEILING PLENUMS.
- PROVIDE CLEANOUTS AT BASE OF EACH VERTICAL STACK, AT EACH CHANGE OF DIRECTION OF HORIZONTAL RUNS AND AT 100 FOOT INTERVALS OF HORIZONTAL RUNS FOR SANITARY AND STORM PIPING.
- PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILINGS TYPES.
- METERING AND SITE UTILITY CONNECTIONS SHALL BE PROVIDED ON SITE UTILITY DRAWINGS. ALL SERVICES SHOWN ON THIS SET OF PLANS TERMINATE 5'-0" FROM BUILDING, UNLESS SHOWN OTHERWISE ON DRAWINGS. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO SITE UTILITIES.
- FURNISH AND INSTALL HOSE BIBBS AND/OR WALL HYDRANTS 24" ABOVE FINISH GRADE/FLOOR AND PROVIDE VACUUM BREAKERS.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ROOF DRAINS, PLUMBING FIXTURE MOUNTING HEIGHTS AND DIMENSIONS.
- CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF EXISTING SEWERS IN WHICH NEW SEWER LINES ARE TO BE CONNECTED PRIOR TO INSTALLATION.
- 26. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- CONTRACTOR SHALL ROUGH-IN ALL WASTE AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURERS SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
- PROVIDE REDUCED PRESSURE BACKFLOW PREVENTERS FOR DOMESTIC WATER SUPPLY CONNECTIONS AS REQUIRED BY CODE.
- 29. ALL BELOW GRADE/SLAB COPPER PIPE SHALL BE PLACED WITHIN COPPER SLEEVE (10 MIL) POLYETHYLENE PLASTIC SLEEVING. EXTEND SLEEVING ABOVE GRADE/SLAB.
- 0. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS (IF ANY) LOCATED WITHIN TOILET ROOMS.
- PRESSURE REDUCING VALVES SHALL BE INSTALLED ON BRANCH LINES SERVING FIXTURES AND/OR EQUIPMENT WHEN THE PRESSURE IN THE LINE DISCHARGE INTO SANITARY SYSTEM.
- COORDINATE EXACT LOCATION OF FLOOR DRAINS FOR HVAC EQUIPMENT WITH MECHANICAL CONTRACTOR. CONDENSATE PIPING SHALL NOT DISCHARGE INTO SANITARY SYSTEM.
- Route water lines tight to structure. Coordinate routing to avoid conflicts with others disciplines.
- IF THE INTENT OF THE DRAWINGS AND/OR SPECIFICATIONS IS UNCLEAR OR HAS MORE THAN ONE INTERPRETATION, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING BEFORE THE SUBMISSION OF BIDS. THE ARCHITEC/ENGINEER SHALL MAKE CORRECTIONS AND/OR PROVIDE EXPLANATION IN WRITING.
- PLANS AND SPECIFICATIONS ARE INTENDED AS A GENERAL DESCRIPTION OF THE WORK TO BE PERFORMED. ALL ITEMS NOT SPECIFICALLY MENTIONED OR SHOWN, BUT NO NECESSARY FOR THE COMPLETION OF THE INSTALLATION, SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. THE CONTRACTOR SHALL ACQUAINT HIMSELF WITH THE MECHANICAL, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL PLANS PRIOR TO SUBMITTING HIS FINAL BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CONTRACTORS FAILURE TO FAMILIARIZE HIMSELF WITH THE PLANS.
- THE CONTRACTOR SHALL BASE HIS PROPOSAL UPON THE EQUIPMENT AS SCHEDULED OR SPECIFIED, USING THE MANUFACTURERS AND EQUIPMENT SPECIFIED ON THE DRAWINGS. IF MORE THAN ONE MANUFACTURER IS SPECIFIED FOR ONE ITEM, ANY ONE OF THE MANUFACTURERS LISTED MAY BY USED IN THIS CONTRACTOR'S PROPOSAL. IF THIS CONTRACTOR WISHES TO USE EQUIPMENT NOT SPECIFIED, HE MUST AT THE TIME OF BIDDING SUBMIT SEPARATELY ON LETTERHEAD STATIONARY OF THE BIDDER, THE EQUIPMENT HE WOULD SUBSTITUTE AND THE COST TO BE ADDED OR TO BE DEDUCTED FROM HIS PROPOSAL.
- THE CONTRACTOR IS EXPECTED TO ORDER ALL MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERY WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBMISSION OF SUBSTITUTE MATERIALS.
- DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL FNGINFF
- . REFER TO PLANS FOR VENT THRU ROOF (V.T.R.) PIPES SIZES AND LOCATIONS. LOCATE V.T.R. A MIN. 10' HORIZONTAL FROM ANY BUILDING OPENING OR FRESH AIR INTAKE. EXTEND V.T.R. 12" ABOVE ROOF SURFACE. IF 10' DISTANCE CANNOT BE ACHIEVED LOCATE V.T.R. 2' ABOVE ADJACENT TOP OF FRESH AIR INTAKE OR BUILDING OPENINGS. PROVDE 1" FIBERGLASS INSULATION WITH ALL—SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN 6' OF V.T.R. LOCATION. VERIFY FLASHING AND COUNTERFLASHING AND COORDINATE INSTALLATION WITH ROOFING CONTRACTOR.

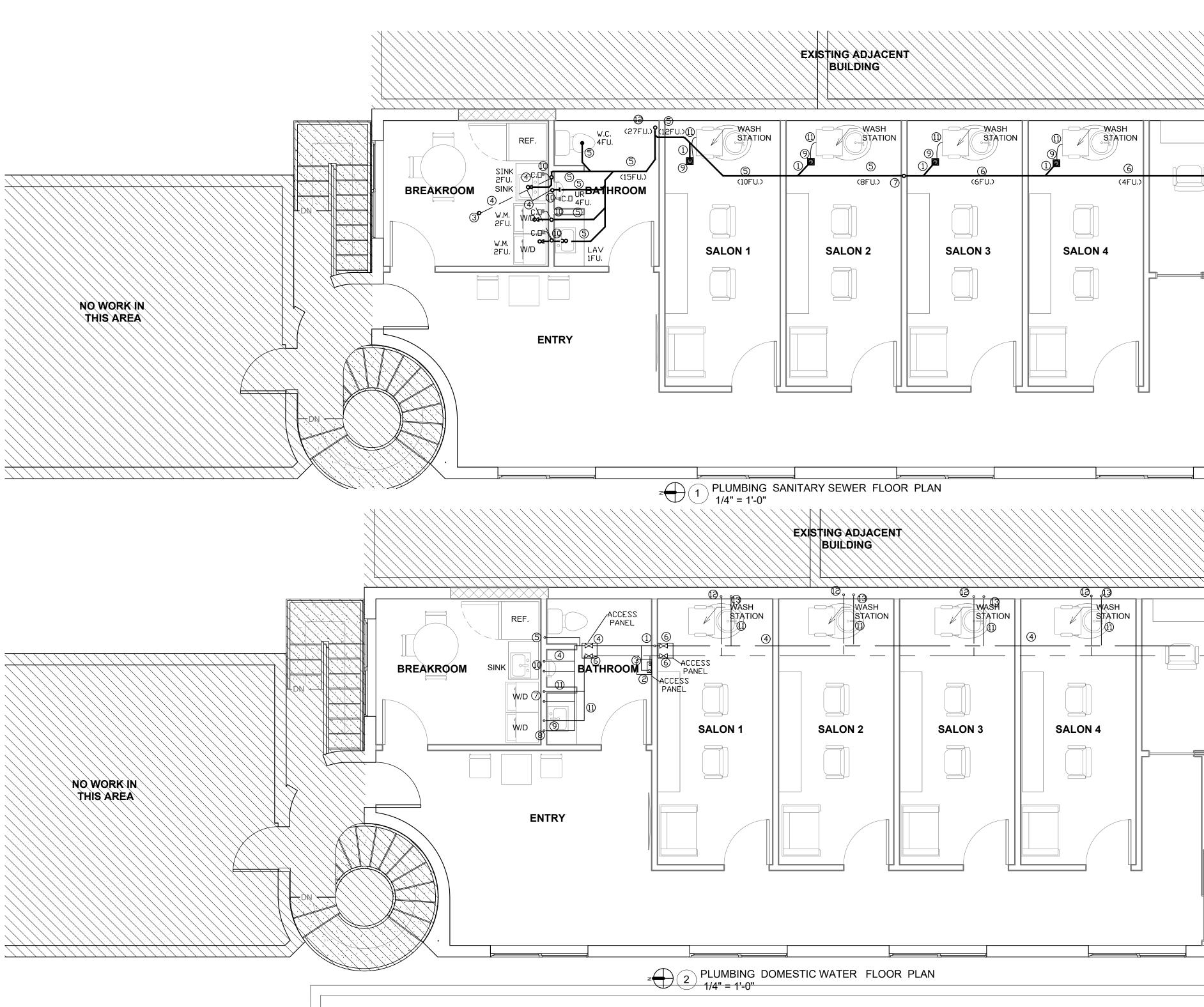
	– MEDICAL AIR – ALARM PANEL	A AV	– MEDICAL AIR – ACID VENT
-	- ABOVE FINISH FLOOR	AW	– ACID WASTE
	- ACID WASTE	CD	- CONDENSATE DRAIN
	– ACID VENT – BALANCING VALVE	CDU	 CONDENSATE DRAIN UNDERGROUND COMPRESSED AIR
	- COMPRESSED AIR	DI	- DEIONIZED WATER
	– CATCH BASIN – Condensate drain		 DOMESTIC COLD WATER DOMESTIC HOT WATER
I	- Condensate drain - Condensate drain underground		- DOMESTIC HOT WATER RECIRCULATING
	- CUBIC FEET PER HOUR	——— FOR ———	- FUEL OIL RETURN
IT	 CLEANOUT CONTINUATION 	FOS FOV	– FUEL OIL SUPPLY – FUEL OIL VENT
	- DOMESTIC COLD WATER	G	- GAS
	- DEIONIZED WATER	GL	- KITCHEN WASTE (GREASE LINE)
	- Down - Downspout	LG N	- LAB GAS LINE - NITROGEN
P	- DOMESTIC WATER BOOSTER PUMP	N20	- NITROUS OXIDE
; I	– DRAWING – EMERGENCY EYE WASH	——— NP ——— ——— 0 ———	 NON-POTABLE WATER OXYGEN
l	- EMERGENCY SHOWER	0 RWL	- RAIN WATER LEADER
T	- EXISTING	RWLO	- RAIN WATER LEADER OVERFLOW
	- Degree Fahrenheit - Floor Drain		— SANITARY — SANITARY VENT
	- FAN COIL UNIT	ST	– SANITART VENT – STORM DRAIN
	- FUEL OIL RETURN	STO	- STORM DRAIN OVERFLOW
	- FUEL OIL SUPPLY - FUEL OIL VENT	SW VAC	– SOFT COLD WATER – VACUUM(AIR)
•	- FIBERGLASS REINFORCED PIPING	—— v ——	- MEDICAL VACUUM
	- FLOOR SINK	WO	- WASTE OIL - WASTE OIL VENT
1	– GAS – GALLONS PER HOUR	WOV	– WASTE OIL VENT – WATER METER
Ń	– GALLONS PER MINUTE	#	– HOSE BIBB
כ	– KITCHEN WASTE(GREASE) – HEMODIALYSIS OUTLET	I⊨	– CLEAN OUT PLUG – WALL CLEANOUT
0	- HOSE BIBB	Q	- FLOOR CLEAN OUT
	- DOMESTIC HOT WATER	۲	- FLOOR DRAIN
'BP R	 DOMESTIC HOT WATER BOOSTER PUMP DOMESTIC HOT WATER RECIRCULATING 		– ROOF DRAIN OR OVERFLOW DRAIN – CATCH BASIN
	- INVERT ELEVATION		- CONNECT TO EXISTING
	- INDIRECT WASTE		- FLOOR SINK
5	– Kilowatt – Pounds		 VALVE IN VALVE BOX BUTTERFLY VALVE
	– LAB GAS LINE	×	- GATE VALVE
^	– MEDICAL GAS LINE – MEDICAL GAS OUTLET		- GATE VALVE(ANGLE)
0 V	- MEDICAL GAS VOLLET - MEDICAL GAS VALVE BOX		 GLOBE VALVE BALANCING VALVE
	- MANHOLE		- CHECK VALVE(SWING)
0	- Nitrogen - Nitrous Oxide		 PRESSURE REDUCING VALVE SOLENOID OPERATED VALVE
0	- NORMALLY CLOSED		- RELIEF OR SAFETY VALVE
:	- NOT IN CONTRACT		- VALVE ON RISER
P C	 NITROGEN CONTROL PANEL NO-HUB COUPLING 		– GAS COCK ON RISER – GAS COCK
-	- NORMALLY OPEN		- BALANCING COCK
	- NON-POTABLE WATER	×	- GAS PRESSURE REGULATOR
5	– NOT TO SCALE – OXYGEN		- Bushing - Cap
	- OUTSIDE DIAMETER OR OVERFLOW DRAIN		- CONNECTION, TOP
/	 PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH 	t. Ŷ	 CONNECTION, BOTTOM CROSS
2	- POLYVINYL CHLORIDE PIPE	-+· 	- DIRECTION OF FLOW
	- REVERSE OSMOSIS	f'	– ELBOW, 90°
	 ROOF DRAIN RECIRCULATING PUMP 	, x+	- Elbow, 45° - Elbow, Turned up
3P	- REDUCED PRESSURE BACKFLOW PREVENTER	C+	- ELBOW, TURNED DOWN
Ľ	- RAIN WATER LEADER	<u>}</u>	- LATERAL
LO I	— RAIN WATER LEADER OVERFLOW — SANITARY		 REDUCER, CONCENTRIC REDUCER, ECCENTRIC STRAIGHT INVERT
	– SQUARE FEET		- REDUCER, ECCENTRIC STRAIGHT CROWN
	- SHEET - STOPM DRAIN	·	- TEE - TEE TURNED UR
)	– STORM DRAIN – STORM DRAIN OVERFLOW	+0+ +0+	– TEE, TURNED UP – TEE, TURNED DOWN
	– SOFT COLD WATER		- REDUCED PRESSURE BACKFLOW
	 VENT OR MEDICAL VACUUM VACUUM CLEANING 		PREVENTER WITH STRAINER
	- VACUUM CLEANING - VELOCITY		
2	- VENT THRU ROOF		
2	- WATER - WATER HEATER		
١	- WATER HAMMER ARRESTER		- TYPE OF RISER
	<u>AP -2-4</u>		EXAMPLE: SANITARY
	FLOOR PANEL IS LOCATED	SAN 3*S 12 4*V	- RISER PIPING SIZE(S)
			KISER NUMBER DESIGNATION
			— MGO = MEDICAL GAS OUTLET
	<u>MGV-1</u> = MEDICAL GAS VALVE BOX, SEE PLANS FOR QUANTITY OF VALVES REQUIR		SEE NOTES ON EACH SHEET FOR QUANTITY OF OUTLETS AND VACUUM SLIDES REQUIRED.



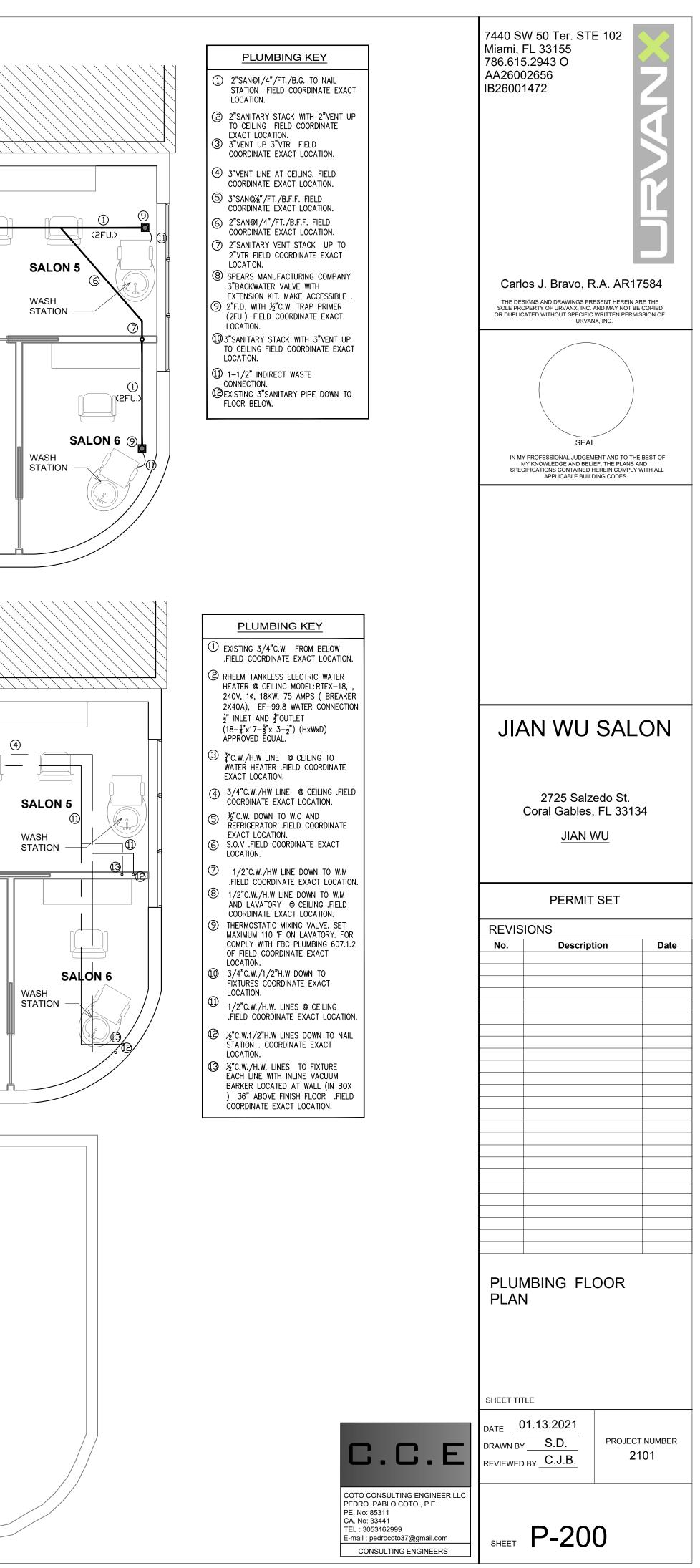


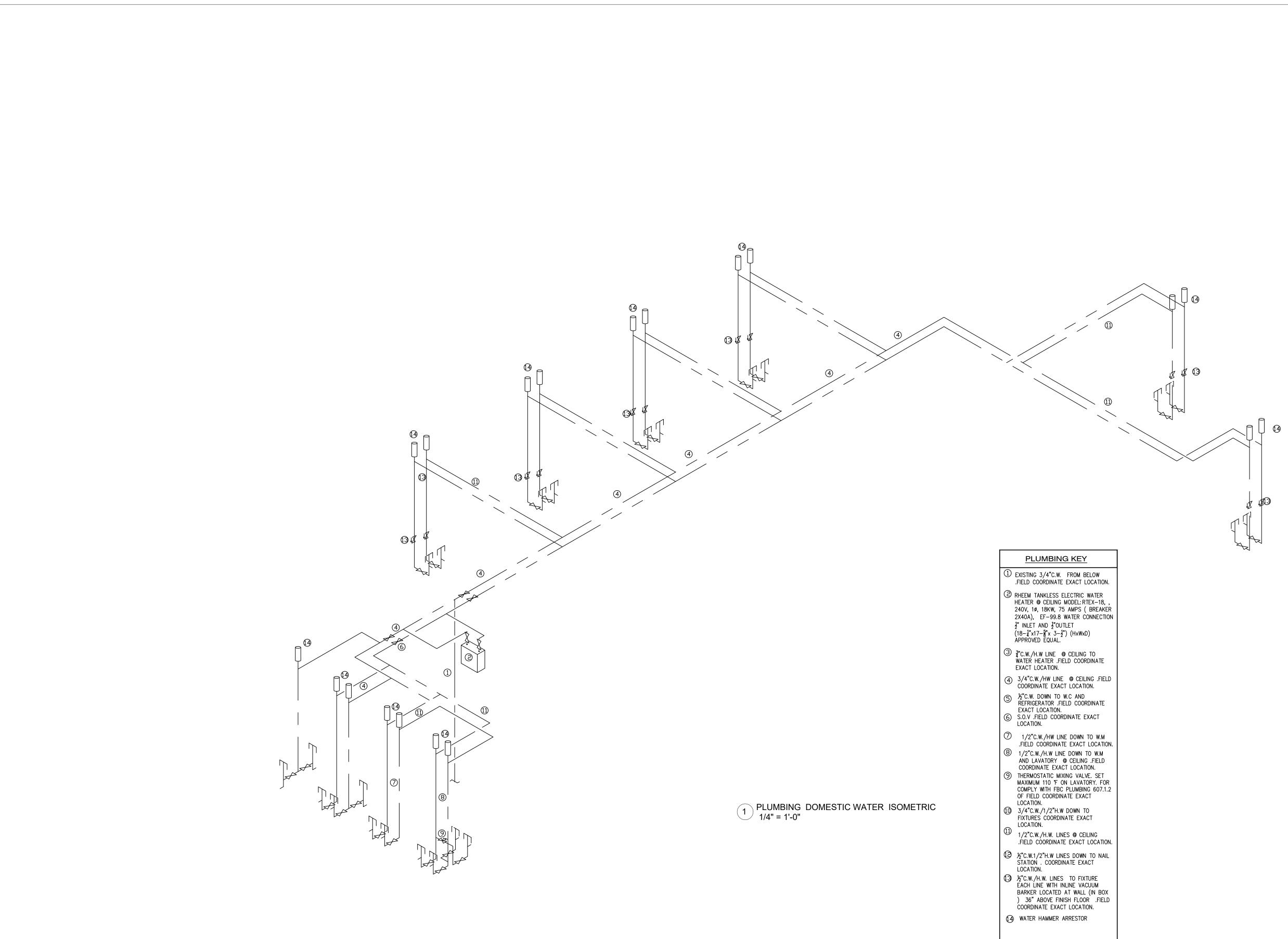
SHEET **P-100**



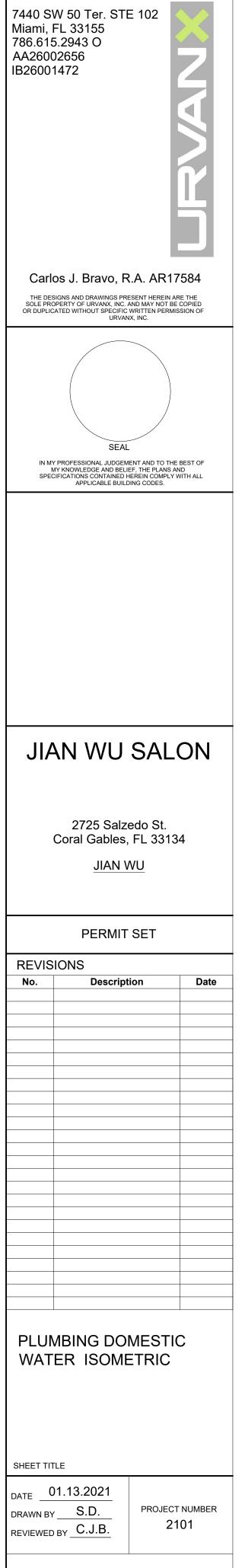


ROOF



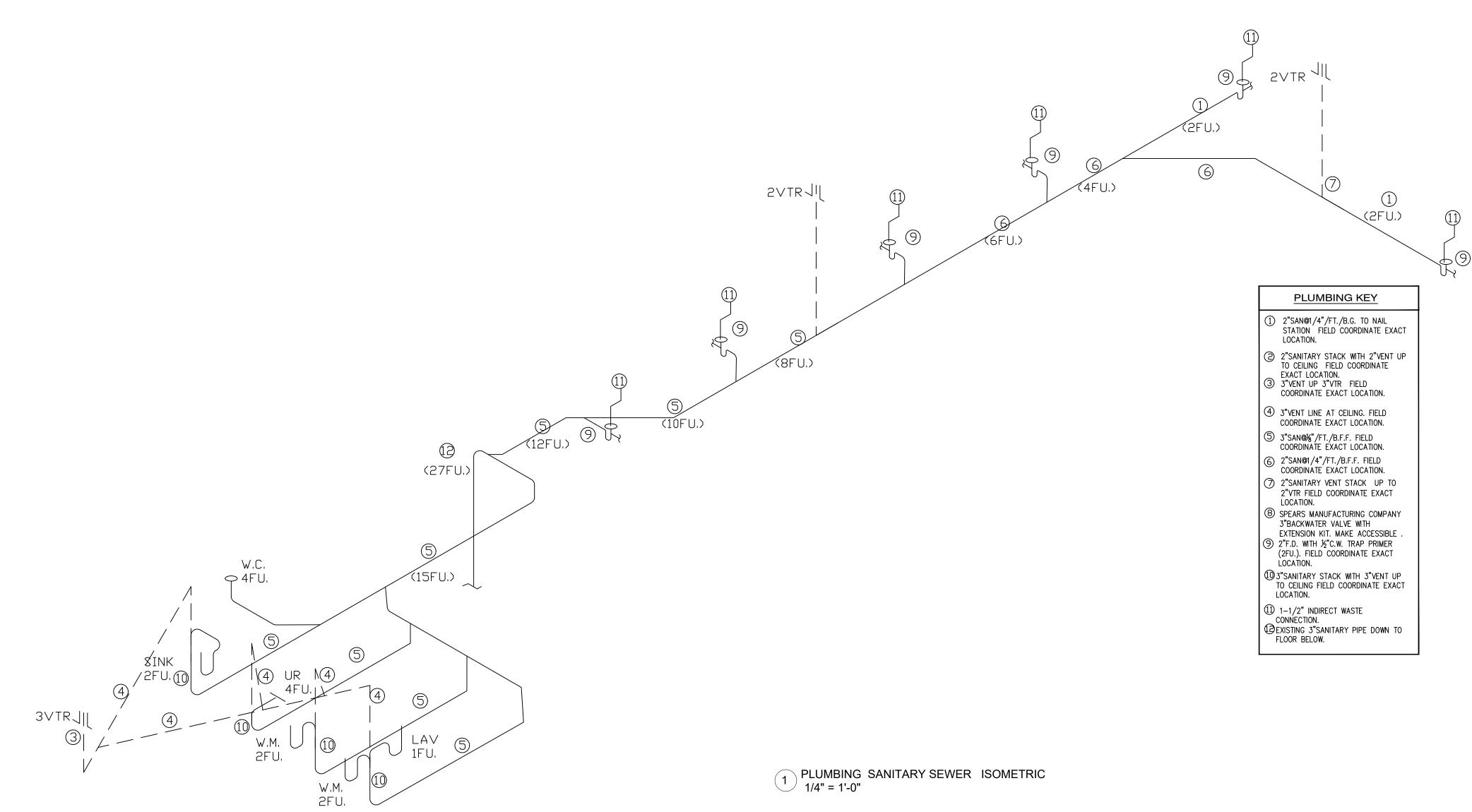


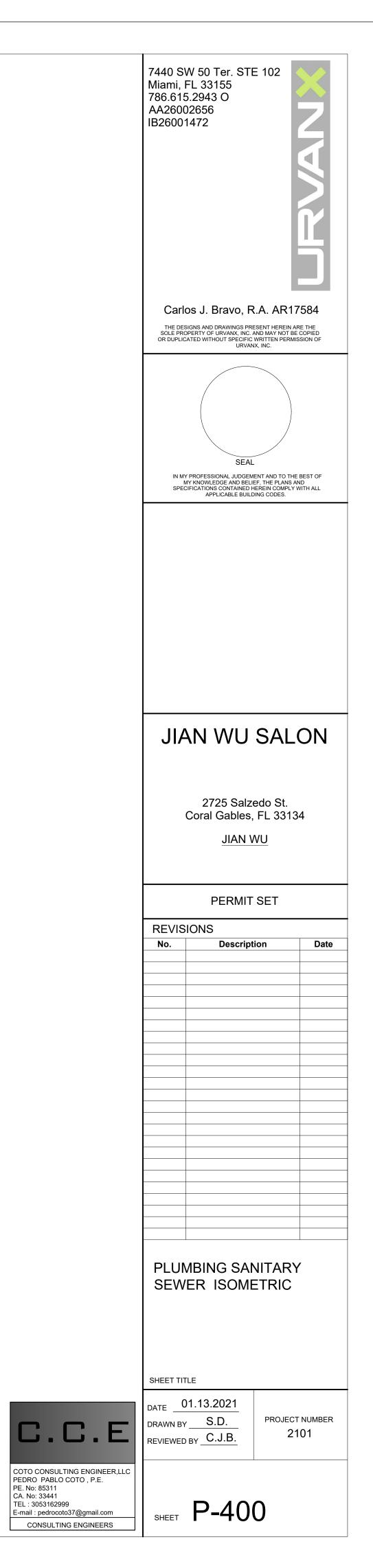
1	EXISTING 3/4"C.W. FROM BELOW .FIELD COORDINATE EXACT LOCATION.
2	RHEEM TANKLESS ELECTRIC WATER HEATER @ CEILING MODEL:RTEX-18, , 240V, 10, 18KW, 75 AMPS (BREAKER 2X40A), EF-99.8 WATER CONNECTION $\frac{1}{2}$ " INLET AND $\frac{1}{2}$ "OUTLET (18- $\frac{1}{4}$ "x17- $\frac{1}{8}$ "x 3- $\frac{1}{2}$ ") (HxWxD) APPROVED EQUAL.
3	WATER HEATER .FIELD COORDINATE EXACT LOCATION.
4	3/4"C.W./HW LINE @ CEILING .FIELD COORDINATE EXACT LOCATION.
5	REFRIGERATOR FIELD COORDINATE
6	EXACT LOCATION. S.O.V .FIELD COORDINATE EXACT LOCATION.
7	1/2"C.W./HW LINE DOWN TO W.M .FIELD COORDINATE EXACT LOCATION.
8	
9	
10	
11	1/2"C.W./H.W. LINES @ CEILING .FIELD COORDINATE EXACT LOCATION.
0	STATION . COORDINATE EXACT LOCATION.
(3	½"C.W./H.W. LINES TO FIXTURE EACH LINE WITH INLINE VACUUM BARKER LOCATED AT WALL (IN BOX) 36" ABOVE FINISH FLOOR .FIELD COORDINATE FXACT LOCATION





SHEET **P-300**





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