

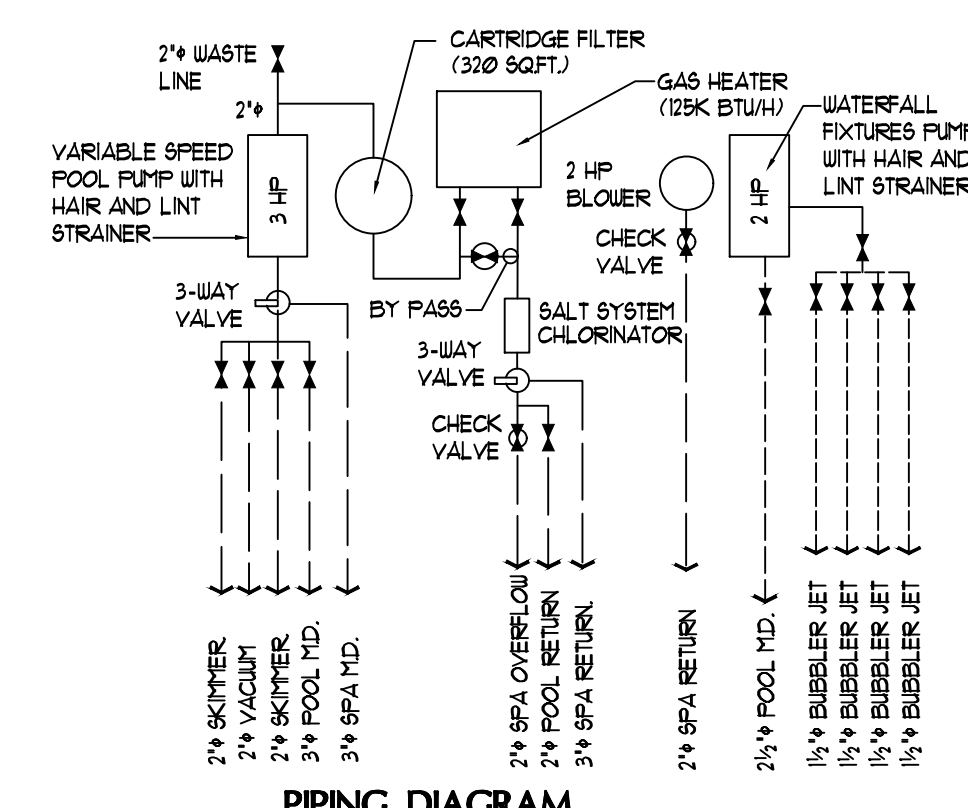
**PIPING SIZES**

TABLE 402.4 (21)
SCHEDULE 40 METALLIC PIPE
TABLE 402.4 (28)
SCHEDULE 40 METALLIC PIPE
TABLE 402.4 (35)
POLYETHYLENE PLASTIC PIPE
MAXIMUM LENGTH = 172'-8"
TOTAL = 1,168,000 BTU

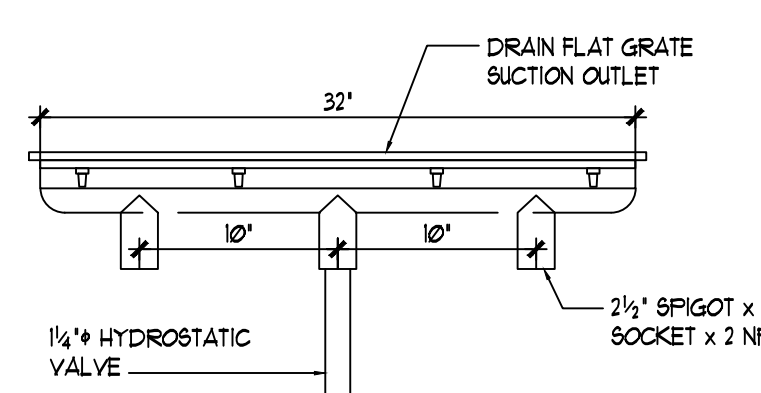
RESIDENCE  
No. 3101  
UNDER CONSTRUCTION  
PERMIT 2010514

**GAS ISOMETRIC**

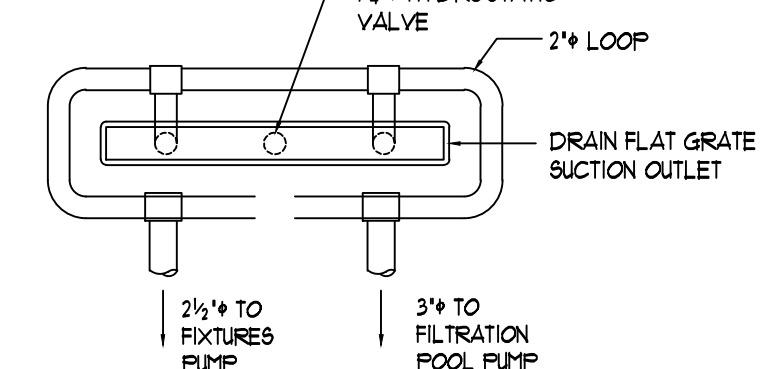
GAS INFORMATION TAKEN FROM PLANS PREPARED BY FINE LINE ENGINEERS, INC. GEORGE FRELLO P.E. 32518 1600 W 20th AVENUE SUITE 110 HIALEAH, FL 33016 PH: (786) 953-4301 AND APPROVED SET OF PLANS BY CITY OF MIAMI UNDER PERMIT 2010514



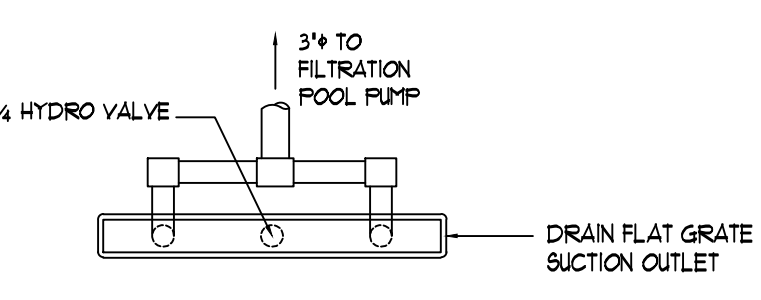
**PIPING DIAGRAM**  
WATER VELOCITY TO COMPLY FBC 2020 7th EDITION R4501.6.3 AND ANSI NSF1-5-1003-3



**32" CHANNEL DRAIN FLAT DETAIL**  
MAIN DRAIN OUTLET IS IN COMPLIANCE WITH THE NEW VIRGINIA GRABBE-BAKER POOL & SPA SAFETY ACT (ASPE/ANSI A112.18.4-2008 AND FBC 454.1.6.5.10.2. MAIN DRAIN WATER VELOCITY TO COMPLY WITH FBC 454.1.6.5.10.2 & FBC R4501.6.3. UNLOCKABLE DRAIN (NO SECOND SUCTION OUTLET OR BACKUP SVRS REQUIRED)



**32" CHANNEL DRAIN FLAT DETAIL TWO PUMPS CONNECTION**



**32" CHANNEL DRAIN FLAT CONNECTION DETAIL**

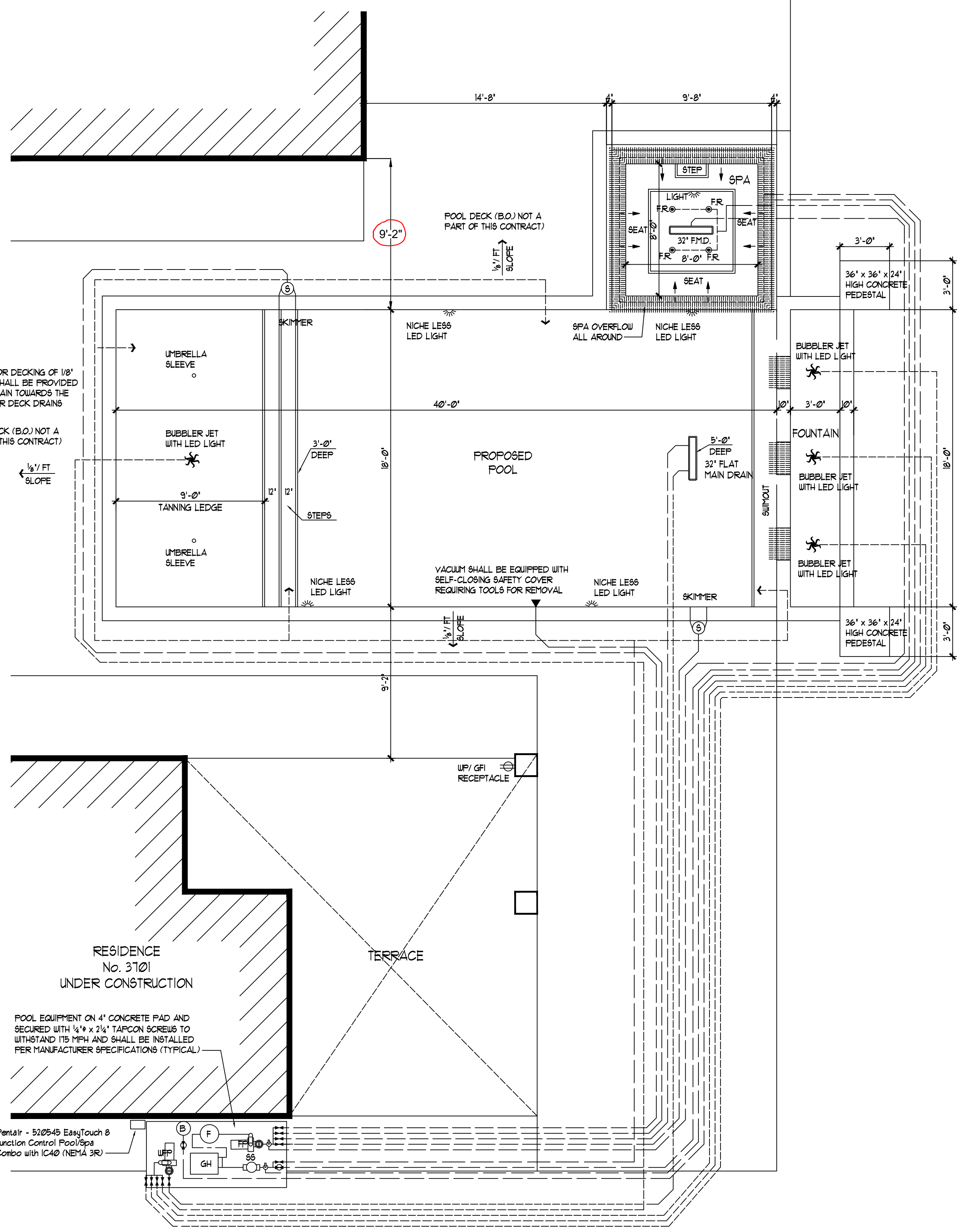
- PLUMBING NOTES:**
- ALL POOL AND EQUIPMENT PIPING SHALL BE SCHEDULE 40, PVC-FI, NON-THREADED, NSF APPROVED SUPPORTED CONTINUOUSLY ON GROUND OR ON MAXIMUM 4'0" CENTERS WITH CLEVIS HANGERS.
  - ALL SUCTION PIPING SHALL BE 2" DIAMETER AND ALL PRESSURE PIPING 1 1/2" DIAMETER UNLESS OTHERWISE NOTED.
  - POOL WATER DISPOSAL SHALL BE IN ACCORDANCE WITH LOCAL BUILDING DEPARTMENT REQUIREMENTS.
  - ANTI VORTEX MAIN DRAIN SHALL HAVE ITS PLATE SECURELY FASTENED WITH TAMPERPROOF SCREWS.
  - POOL VACUUM SHALL HAVE SPRING LOADED GAP IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
  - ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE-PLUMBING SECTION 306.
  - THE WATER VELOCITY THROUGH ALL SUCTION PIPING SHALL BE LESS THAN 8 FEET PER SECOND.
  - THE WATER VELOCITY THROUGHOUT ALL PRESSURE PIPING SHALL BE LESS THAN 10 FEET PER SECOND.
  - ALL PIPING SHALL BE SUITABLE FOR EXPOSURE TO ULTRA VIOLET RADIATION AND NORMAL OPERATING TEMPERATURES.
  - VACUUM SHALL BE EQUIPPED WITH SELF-CLOSING SAFETY COVER REQUIRING TOOLS FOR REMOVAL.

**POOL & SPA DATA & EQUIPMENT**

	POOL	SPA
SIZE & DEPTH	18' x 40'	3' TO 5'
CAPACITY	19,940 GALLONS	1275 GALLONS
PERIMETER/AREA	116 LF. / 120 SQFT.	36 LF. / 64 SQFT.
PUMP	* 3 HP. (VARIABLE SPEED)	-
FILTER	* CARTRIDGE (320 SQFT.)	-
TILE	6" CHOICE	6" CHOICE
TYPE OF PATIO	SLIP RESISTANT	SLIP RESISTANT
EXIT RAILINGS	OPTIONAL	OPTIONAL
COPING	STONE	STONE
TURNOVER	232 HOUR	014 HOUR

\* 19,940 GALLONS RE-CIRCULATED IN 232 HOUR  
320 SQFT. FILTER AREA \* 1 GPM / 80FT. FILTER RATED AND 3 HP RE-CIRCULATION POOL PUMP | PHASE, 230 V, 143 GPM \* 50' TDH

\* 1275 GALLONS RE-CIRCULATED IN 014 HOUR  
320 SQFT. FILTER AREA \* 1 GPM / 80FT. FILTER RATED AND 3 HP RE-CIRCULATION SPA PUMP | PHASE, 230 V, 143 GPM \* 50' TDH



- IMPORTANT SAFETY NOTES:**
- DO NOT USE OR OPERATE POOL OR SPA IF THE SUCTION INLET FITTING IS MISSING, BROKEN, OR LOOSE.
  - VACUUM SHALL BE EQUIPPED WITH SELF-CLOSING SAFETY COVER REQUIRING TOOLS FOR REMOVAL.
  - ENTRAPMENT PROTECTION DESIGN CRITERIA AND INSTALLATION IN ACCORDANCE WITH ANSI/APSP/ICC FBC-R 4501.6.1/R4501.6.6

**POOL PLAN** SCALE: 1/4" = 1'-0"

---	DENOTES 3/4" LINES
---	DENOTES 1/2" LINES
---	DENOTES 2" LINES
---	DENOTES 1 1/2" LINES

ORLANDO M. FORTUN PROFESSIONAL ENGINEER, STATE OF FLORIDA LICENSE No. 22249 THIS ITEM HAS BEEN DIGITALLY SIGNED BY ORLANDO M. FORTUN P.E.

**REVISIONS**

NO.	DESCRIPTION

**PROGRESS DRAWING**  
BY: [Signature]  
DATE: 2022-03-14

**NOTES**  
This drawing is not intended to be used for contract pricing or fabrication purposes. Content is subject to change.  
DISCARD ALL DRAWINGS THAT WERE MADE BY THIS ITEM PRIOR TO THE DATE BELOW:  
2022-03-14  
Drawings may not be scaled. Vertical dimensions represent correct measurements.  
All dimensions are given from finished floor and finished wall unless otherwise noted.  
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Any suggested electrical and plumbing alterations, must be verified in field.

ORLANDO M. FORTUN  
CIVIL / STRUCTURAL ENGINEER  
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MIAMI, FLORIDA 33135  
TEL: (305) 767-6225 FAX: (305) 767-2014  
EMAIL: orlando@westhaven.com

WESTHAVEN CONSTRUCTION SERVICES, INC.

JOB NUMBER: 22-016076

ORLANDO M. FORTUN  
LICENSE No. 22249  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

PROPOSED POOL PLAN FOR:  
**Mr. Joel Alonso**  
LOCATED AT:  
3101 SW 126th Avenue Miramar, FL 33021

CLIENT ADDRESS: 0000  
PROJECT NAME: CONTINUUM  
PROJECT NUMBER: 0000

DRAWN BY: Abel Q.  
DESIGN BY: Joel A.  
DESCRIPTION: DESCRIPTION

DRAIN: R16.  
CHECKED: OMF.  
DATE: April 22  
SCALE: 3/8"=1'-0"  
JOB NO: 22-016076  
SHEET: 2

**A-01**