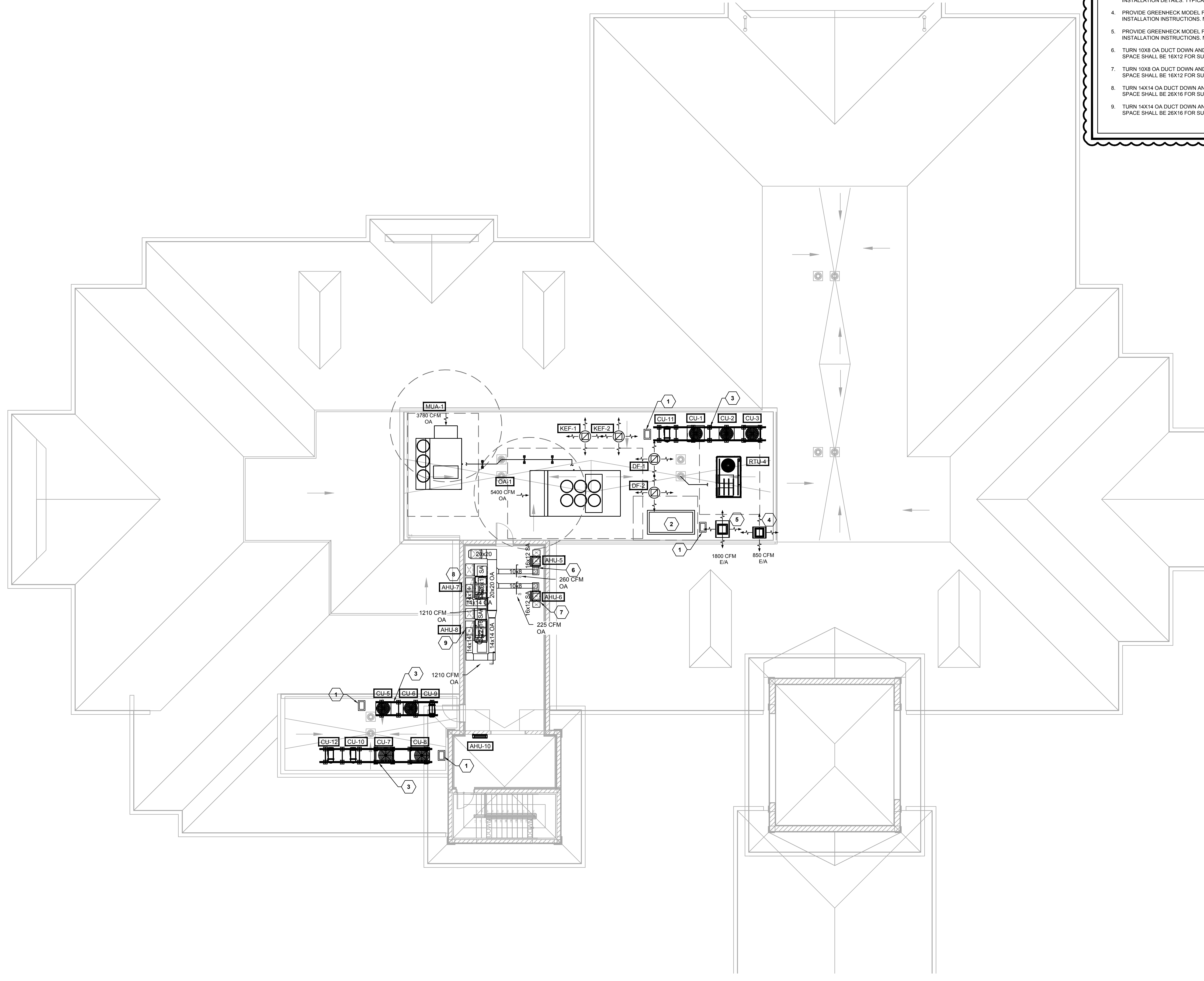


ADD

MECHANICAL KEY NOTES:

1. PROVIDE REFRIGERANT COIL EQUAL TO AMI VAULT (REF DETAILS).
2. WALK IN COOLER REFRIGERATION UNIT. PROVIDE CURB. REFERENCE FOOD SERVICE PLANS FOR DETAILS.
3. PROVIDE F&L ALUMINUM PARTS INC. CONDENSER STAND OR EQUAL. INSTALL PER N.O.A. 20-0720.09 INSTALLATION DETAILS. TYPICAL FOR ALL ROOFTOP CONDENSER STANDS.
4. PROVIDE GREENHECK MODEL FGR GRAVITY INTAKE HOOD W/ 12X12 THROAT. INSTALL PER N.O.A. INSTALLATION INSTRUCTIONS. NOA# 19-0808.02
5. PROVIDE GREENHECK MODEL FGR GRAVITY INTAKE HOOD W/ 16X16 THROAT. INSTALL PER N.O.A. INSTALLATION INSTRUCTIONS. NOA# 19-0808.02
6. TURN 10X8 OA DUCT DOWN AND TAP INTO RETURN DUCT. DUCT PENETRATIONS FROM AHU-5 DOWN TO SPACE SHALL BE 16X12 FOR SUPPLY DUCT AND 14X14 FOR RETURN DUCT
7. TURN 10X8 OA DUCT DOWN AND TAP INTO RETURN DUCT. DUCT PENETRATIONS FROM AHU-6 DOWN TO SPACE SHALL BE 16X12 FOR SUPPLY DUCT AND 14X14 FOR RETURN DUCT.
8. TURN 14X14 OA DUCT DOWN AND TAP INTO RETURN DUCT. DUCT PENETRATIONS FROM AHU-7 DOWN TO SPACE SHALL BE 20X16 FOR SUPPLY DUCT AND 42X16 FOR RETURN DUCT
9. TURN 16X16 OA DUCT DOWN AND TAP INTO RETURN DUCT. DUCT PENETRATIONS FROM AHU-8 DOWN TO SPACE SHALL BE 26X18 FOR SUPPLY DUCT AND 42X16 FOR RETURN DUCT.



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SEAN PATRICK SUKHU
AR77488

AA26003806

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SANDRIDGE GOLF CLUB HOUSE
5300 73RD ST., VERO BEACH, FL, 32967 USA

BID/PERMIT SET

PROJECT ISSUE DATES:

SHEET NAME
MECHANICAL
MEZZANINE & ROOF
PLAN

Project Number: 2021.159

DATE: 2023.10.27

SHEET NUMBER

M211

1 MECHANICAL MEZZANINE & ROOF PLAN
SCALE: 1/8" = 1'-0"

RGD
CONSULTING
ENGINEERS

JUPITER | ORLANDO
561-743-0185 | 407-845-6830
WWW.RGDENGINEERS.COM
2151 ALT A1A #2000, JUPITER, FL 33477
CERT OF AUTH 9454

DOMESTIC WATER KEY NOTES:

1. PROVIDE LEONARD 270-LF MIXING VALVE OR EQUIVALENT ASSE 1070 COMPLIANT MIXING VALVE. REFERENCE 9/P300.
2. TYPICAL: PROVIDE THERMOSTATIC BALANCING VALVES FOR EVERY DOMESTIC FIXTURE. REFERENCE 2/P300.
3. PROVIDE ELECTRIC WATER HEATER. REFERENCE 10/P300.
4. PROVIDE JR SMITH WATER SUPPLY CONTROL BOX MODEL 3380 FOR GAN WASH WATER CONNECTION.

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SEAN PATRICK SUIKHU
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PROJECT ISSUE DATES:

ADD-3 ADDENDUM-3 01/24/24

SHEET NAME

DOMESTIC WATER FLOOR PLAN

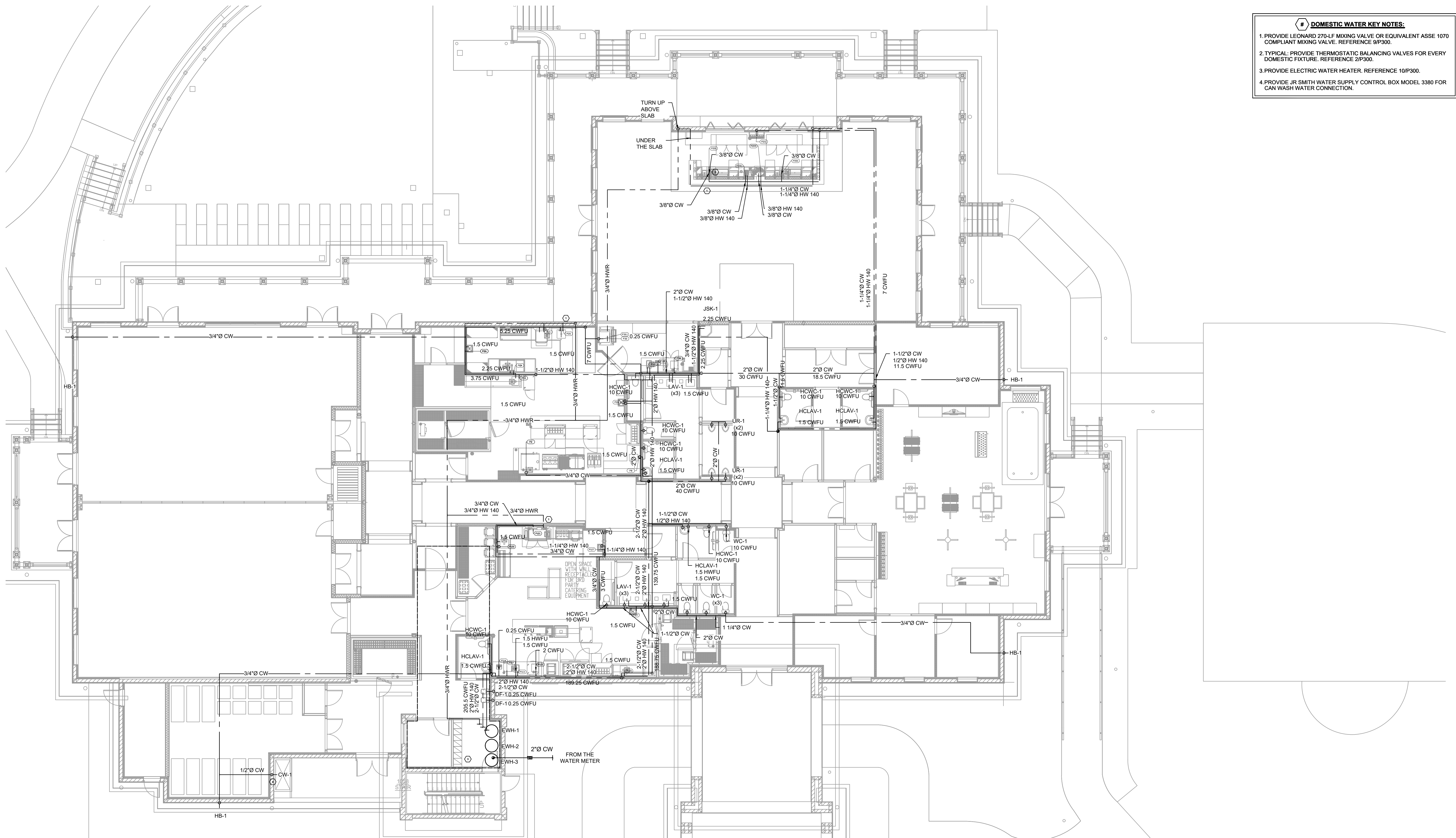
Project Number: 2021.159

DATE: 2023.10.27

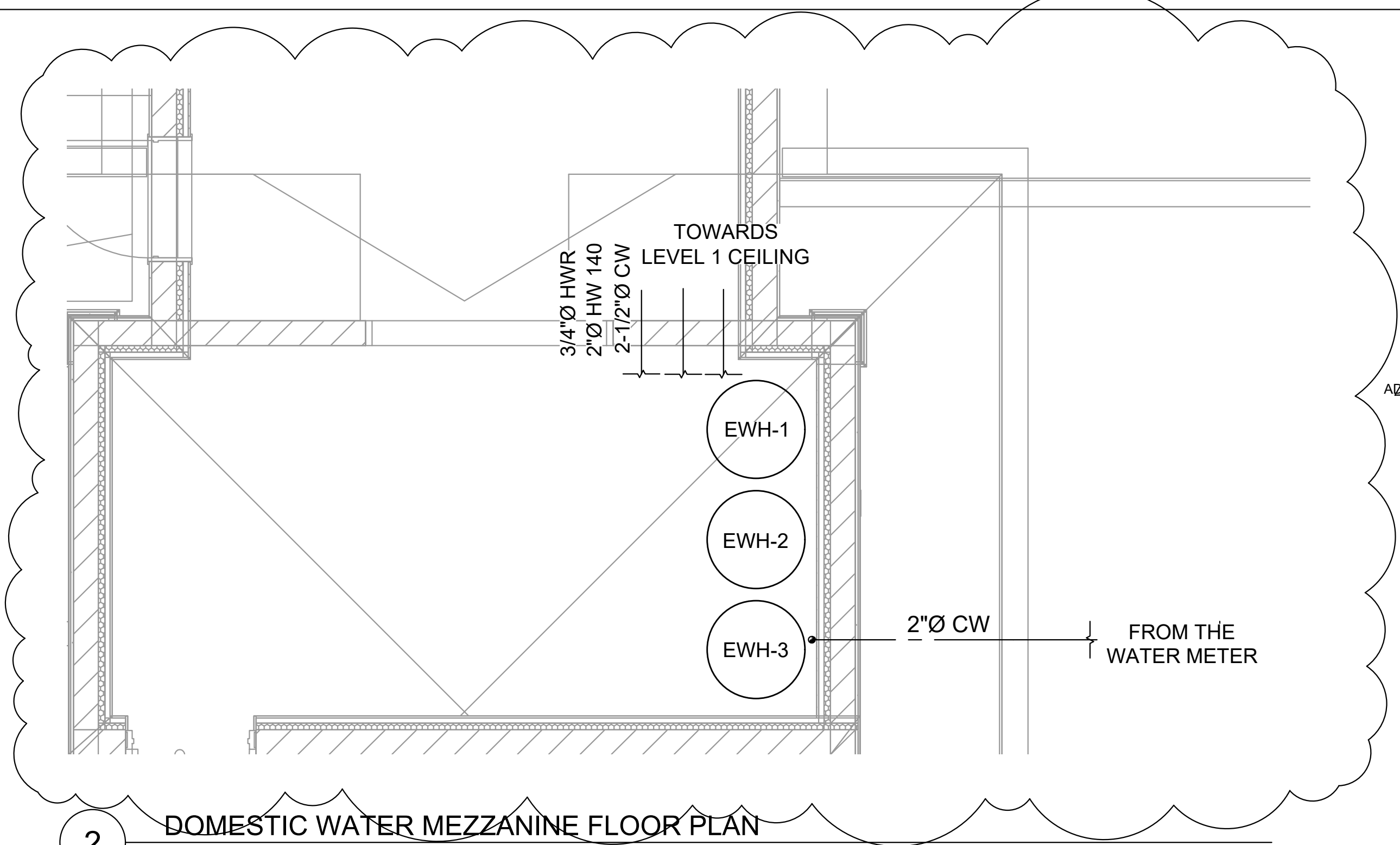
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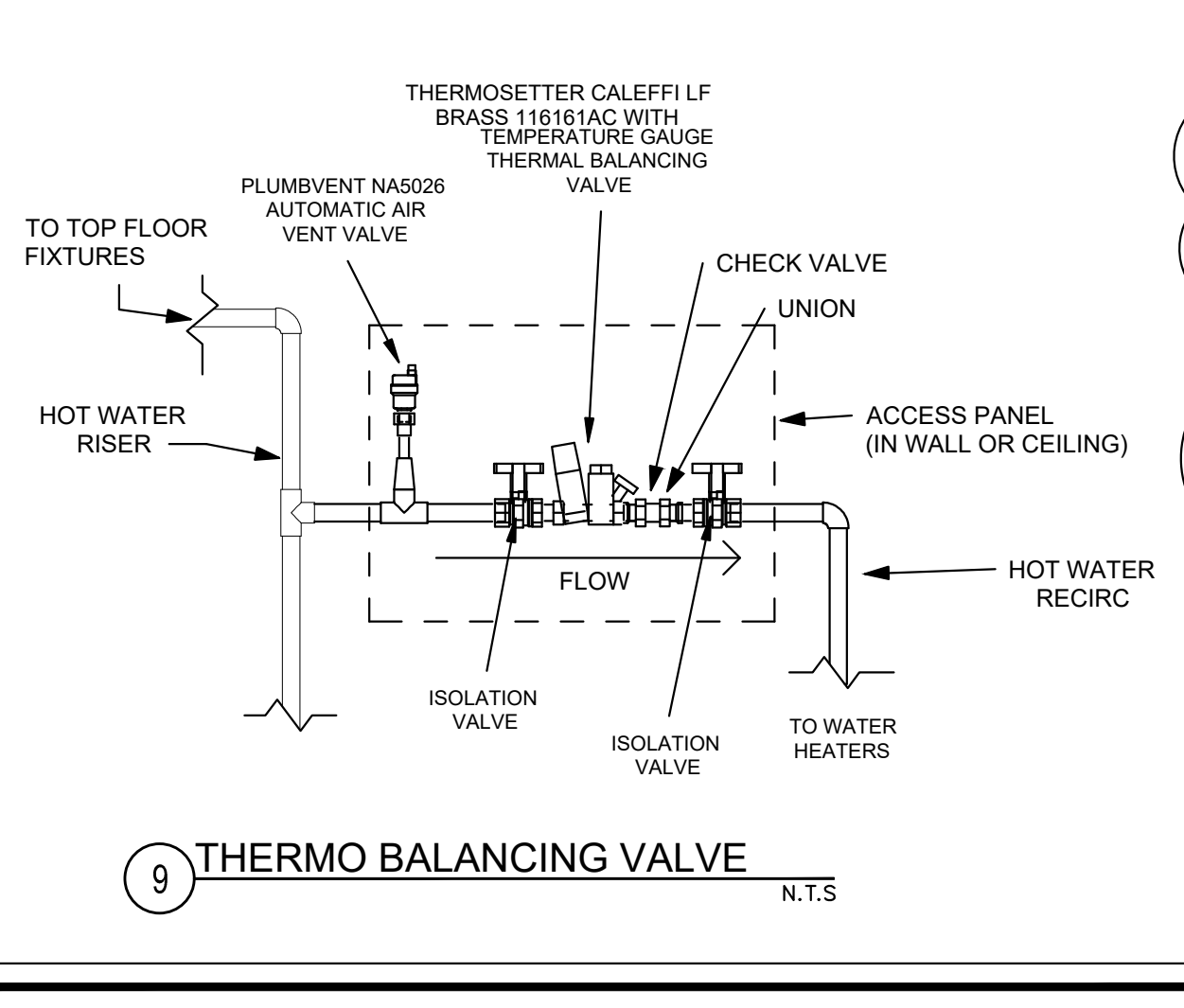
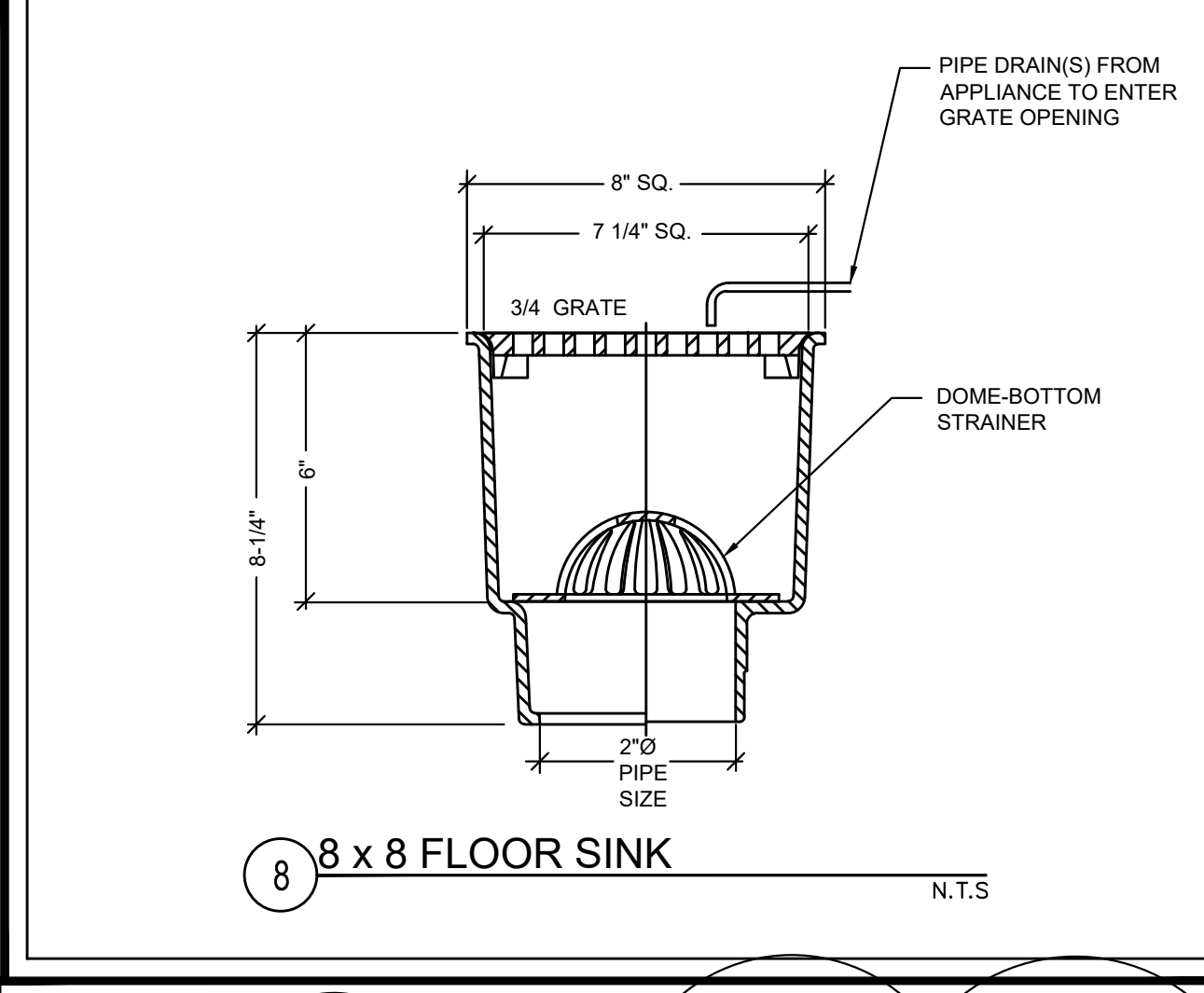
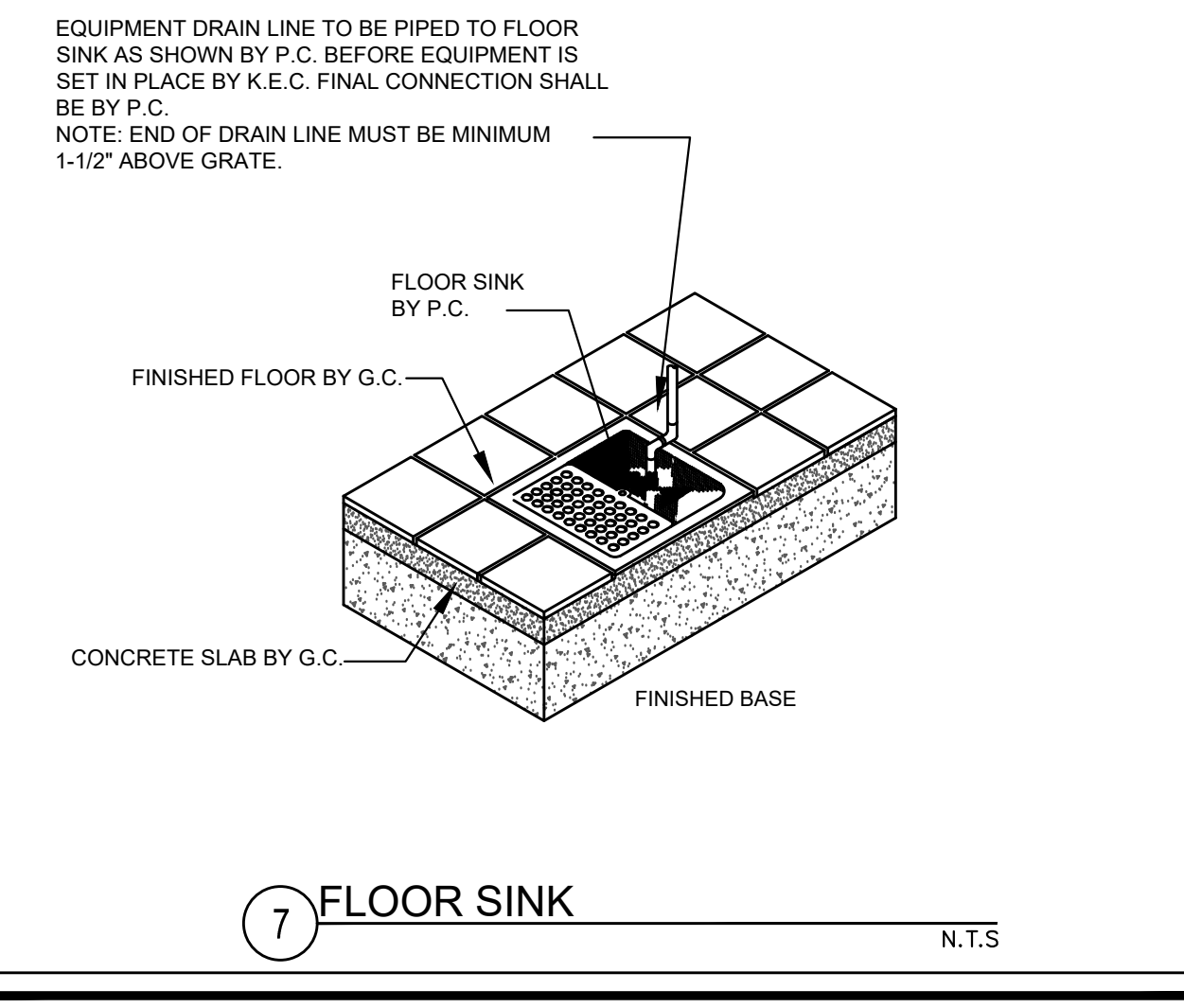
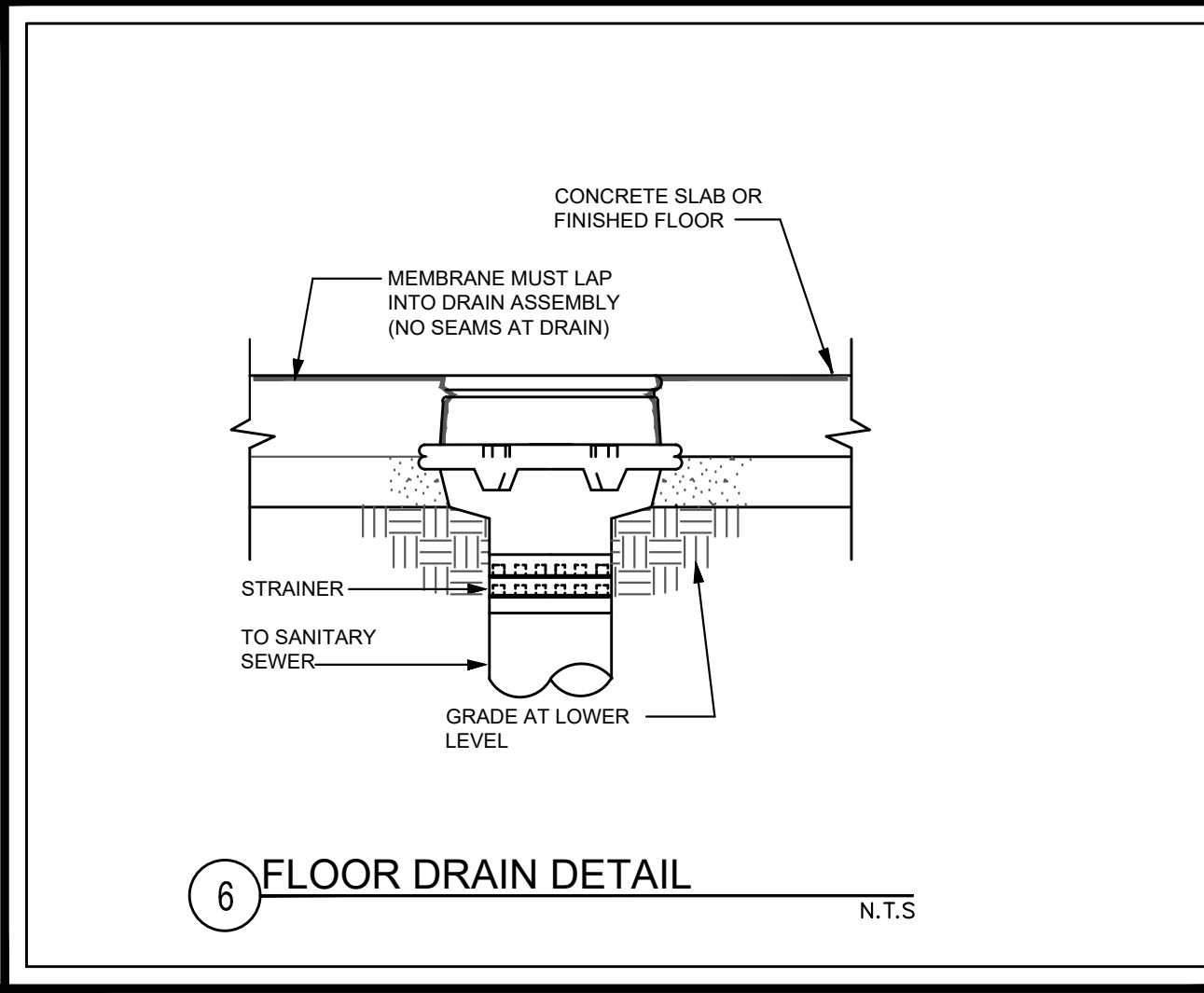
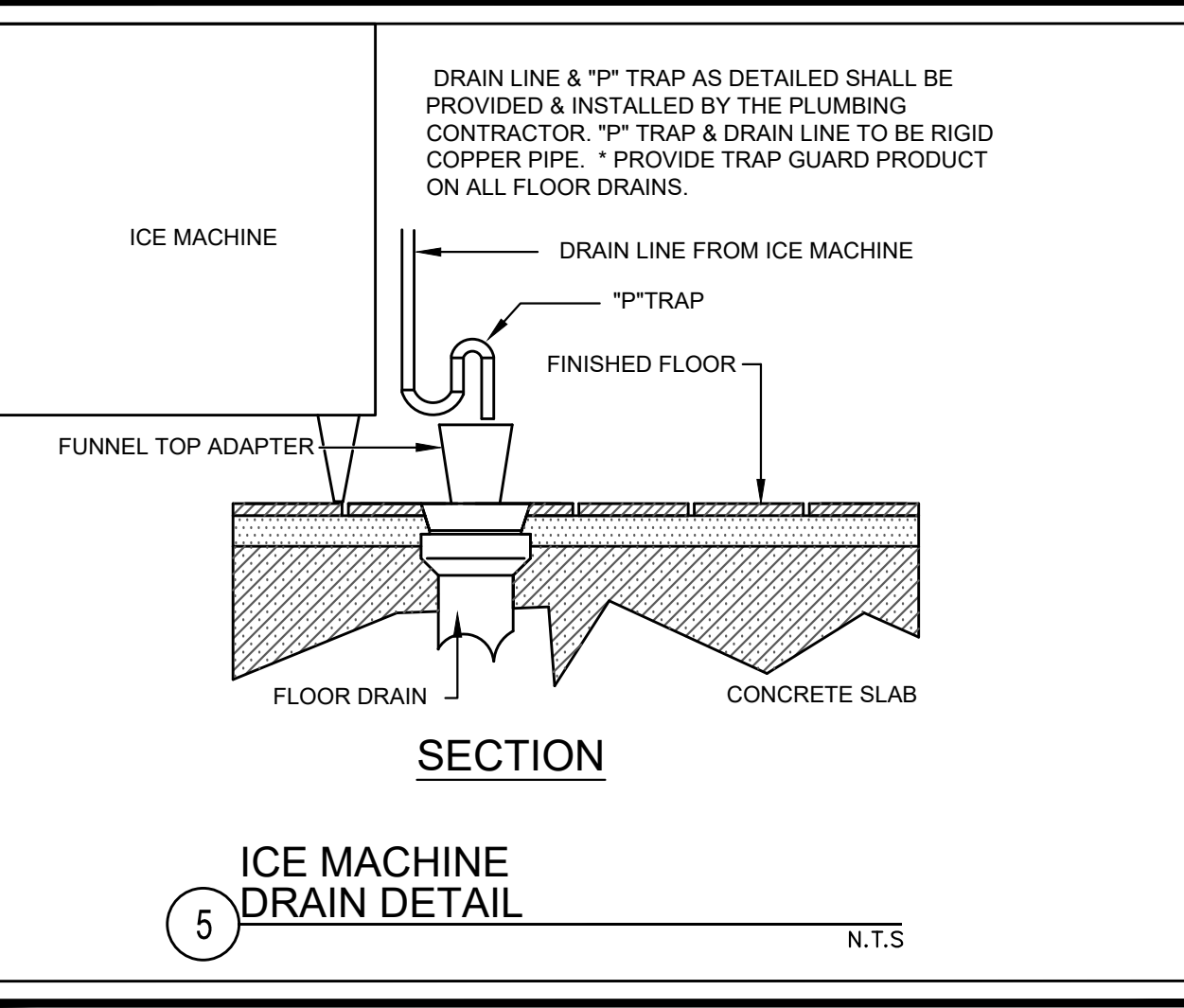
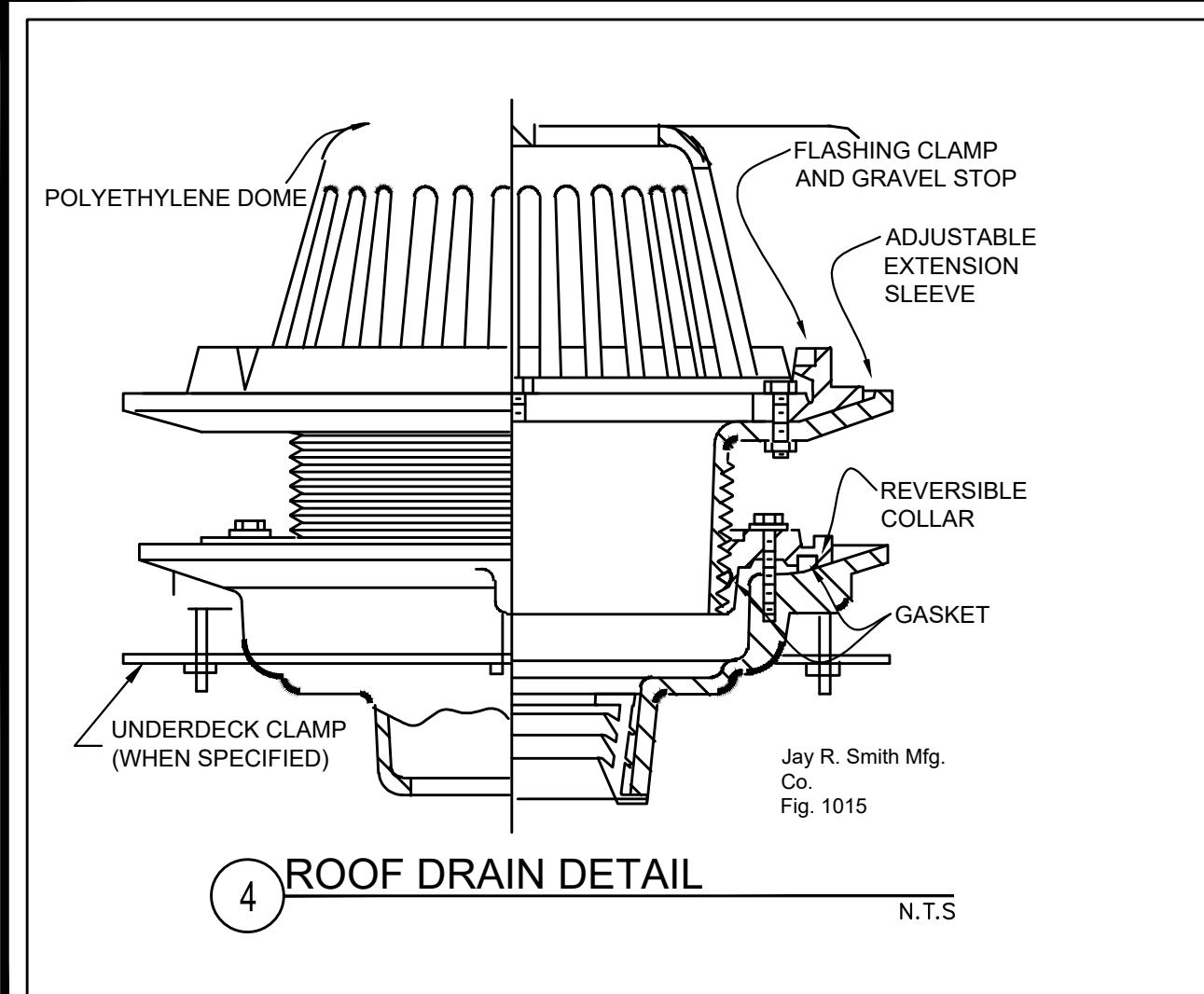
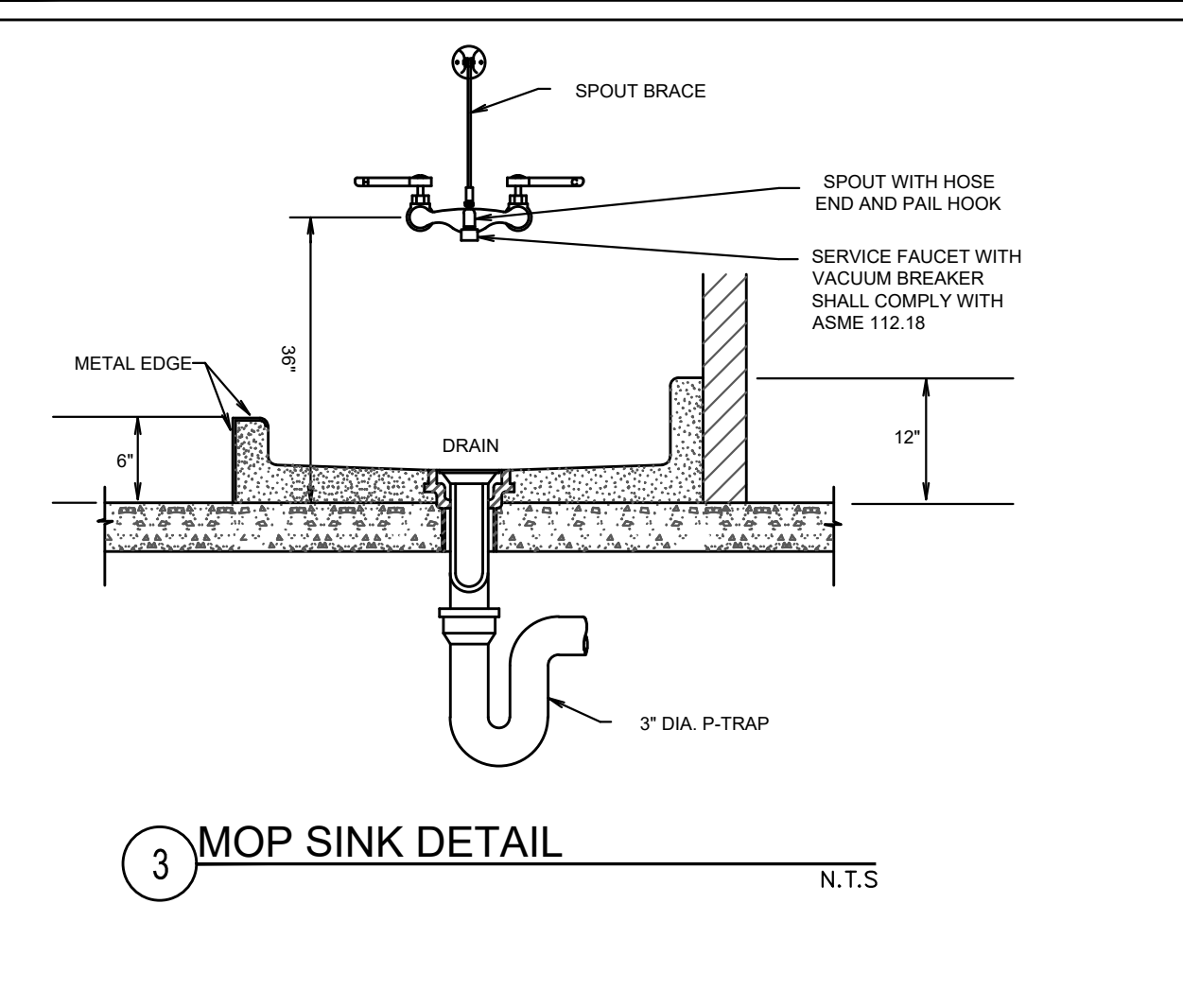
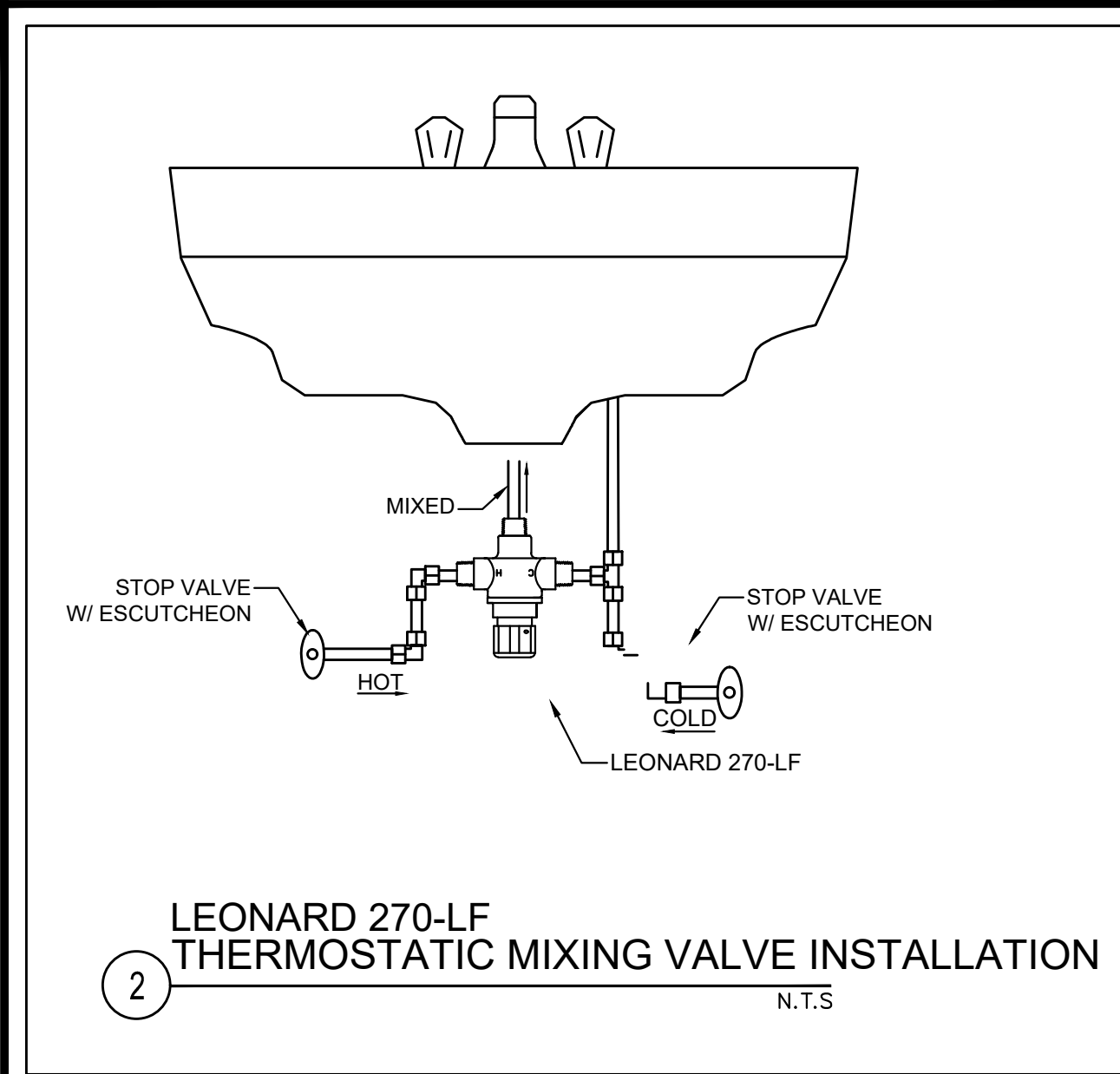
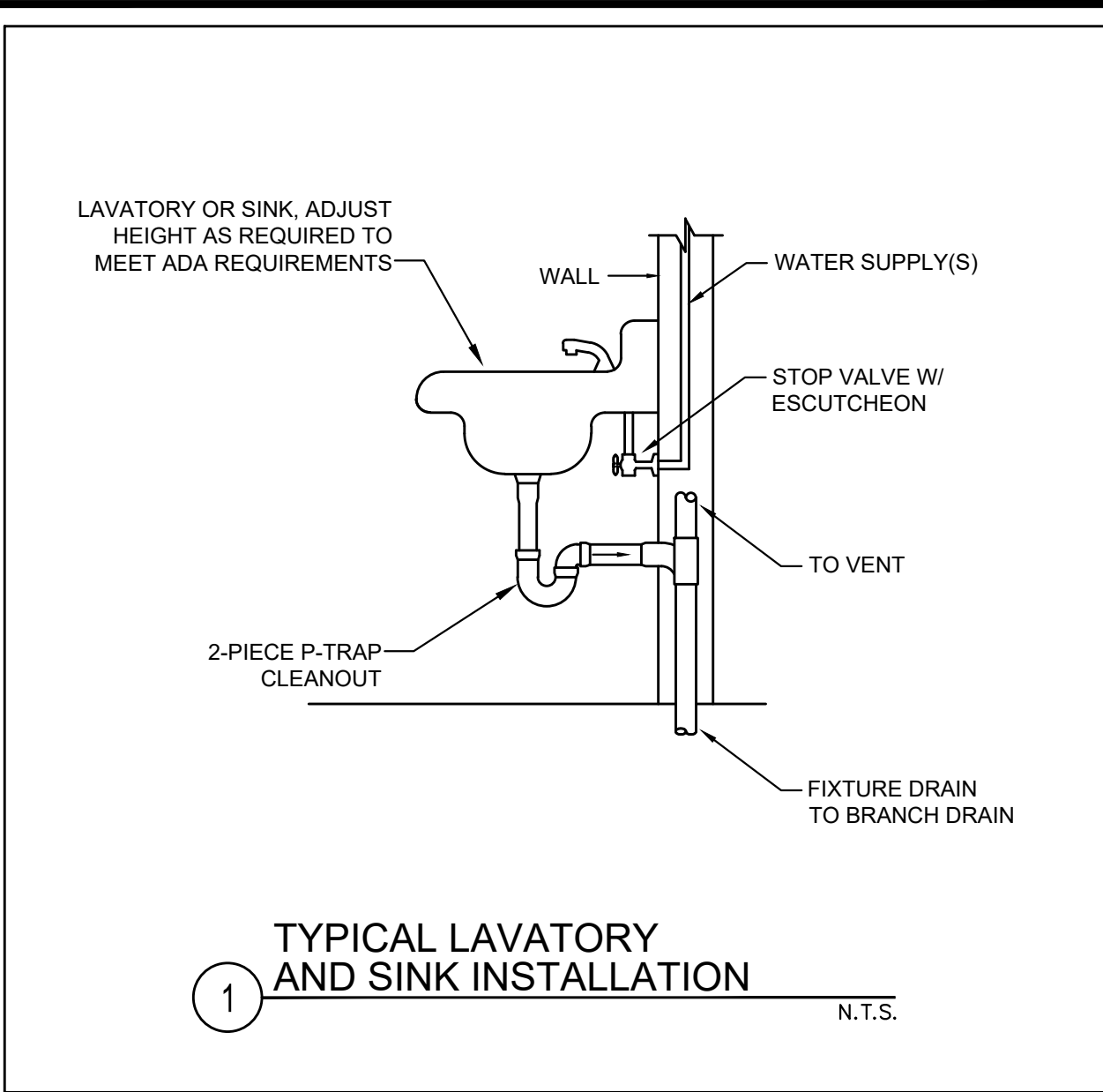
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1 DOMESTIC WATER FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 DOMESTIC WATER MEZZANINE FLOOR PLAN
SCALE: 3/8" = 1'-0"



14 CLUB HOUSE PLUMBING DRAIN SCHEDULE

| MARK | ITEM | MANUFACTURER | MODEL | STRAINER HEAD (IN) | NOTES |
|-------|----------------------------|--------------|----------|--------------------|---------|
| CW-1 | CAN WASH COMBINATION DRAIN | JR SMITH | 2690 | 12" | 1, 2, 3 |
| DD-1 | DECK DRAIN | ZURN | ZN154-DT | 12" | 1, 3 |
| EPD-1 | FLOOR DRAIN | ZURN | ZN415S2 | 5" | 1, 2, 3 |
| FFD-1 | FUNNEL FLOOR DRAIN | ZURN | ZN415E | 7" | 1, 2, 3 |
| FS-1 | FLOOR SINK | ZURN | ZN1900 | 12" X 12" | 1, 2, 3 |
| HD-1 | HUB DRAIN | ZURN | Z211-S | 6-1/2" | 1, 2, 3 |
| RD-1 | ROOF DRAIN | ZURN | Z164 | CAST IRON DOME | 3 |
| OD-1 | ROOF OVERFLOW DRAIN | ZURN | Z164 | CAST IRON DOME | 3 |

NOTES:
1. COORDINATE FINISH WITH THE ARCHITECT AND/OR OWNER.
2. PROVIDE A TRAP PRIMER CONNECTION FROM THE FACTORY.
3. COORDINATE SPECIFIC DRAIN OUTLET SIZE & CONNECTION TYPE WITH CONNECTED PIPE. REFERENCE PLANS FOR DRAIN PIPE DIMENSIONS. PROVIDE TRANSITIONS AS REQUIRED.

ELECTRIC WATER HEATER SCHEDULE

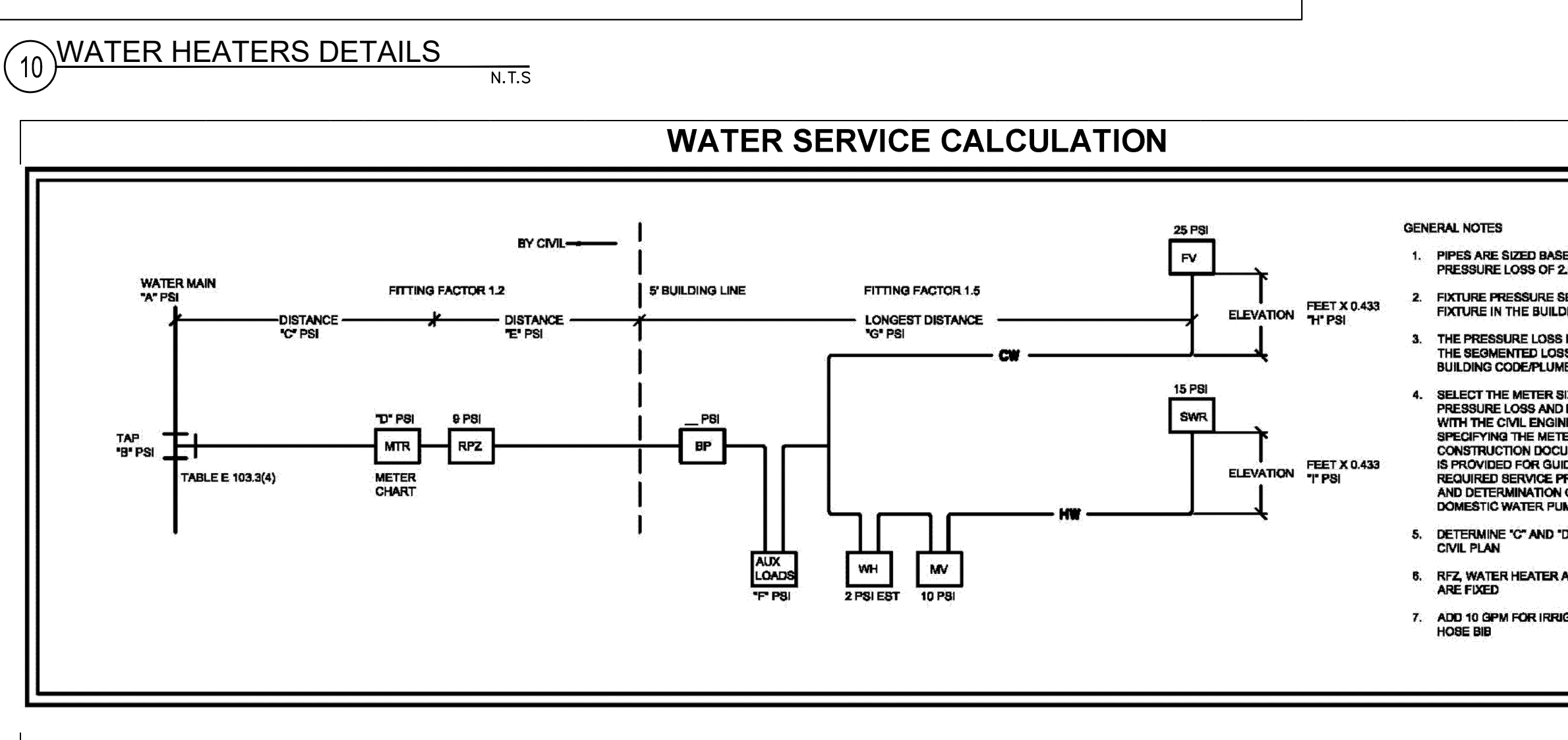
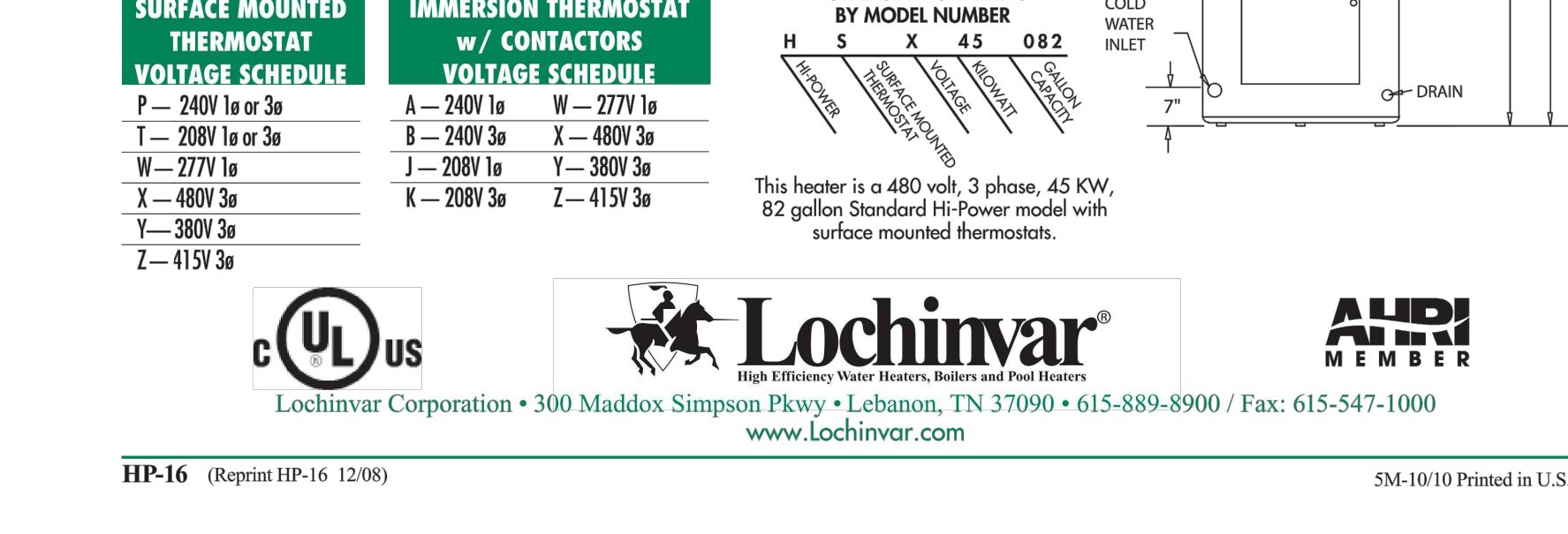
| MARK | MANUFACTURER | MODEL | CAPACITY (GAL) | INLET (IN) | OUTLET (IN) | KW | FLOW / TEMP. RISE (°F) | VOLTAGE / PHASE | AMPS | SHIPPING WEIGHT (LBS) | DIMENSIONS (IN) |
|--------|--------------|-----------|----------------|------------|-------------|----|------------------------|-----------------|------|-----------------------|--|
| EW-H-1 | LOCHINVAR | HS-36-120 | 119 | 1 1/4" | 1 1/4" | 36 | 149 GPH / 100°F | 480V / 3 Ø | 43 | 430 | 64-1/2" HIGH X 30-1/4" DIA. X 37-1/4" DEEP |
| EW-H-2 | LOCHINVAR | HS-36-120 | 119 | 1 1/4" | 1 1/4" | 36 | 150 GPH / 100°F | 480V / 3 Ø | 43 | 430 | 64-1/2" HIGH X 30-1/4" DIA. X 37-1/4" DEEP |
| EW-H-3 | LOCHINVAR | HS-36-120 | 119 | 1 1/4" | 1 1/4" | 36 | 151 GPH / 100°F | 480V / 3 Ø | 43 | 430 | 64-1/2" HIGH X 30-1/4" DIA. X 37-1/4" DEEP |

Standard Hi-Power® Dimensions & Specifications

| Model Number | KW | Gallon Capacity | GPH @ 100°F Rise | Number of Elements | A | B | C | D | Shipping Weight |
|--------------|----|-----------------|------------------|--------------------|---------|---------|---------|---------|-----------------|
| HS-09-052 | 9 | 50 | 37 | 3 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-12-052 | 12 | 50 | 50 | 3 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-15-052 | 15 | 50 | 62 | 3 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-18-052 | 18 | 50 | 74 | 3 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-24-052 | 24 | 50 | 99 | 6 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-27-052 | 27 | 50 | 112 | 6 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-30-052 | 30 | 50 | 124 | 6 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-36-052 | 36 | 50 | 149 | 6 | 47-3/4" | 24" | 30-1/2" | 41" | 270 |
| HS-09-082 | 9 | 80 | 37 | 3 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-12-082 | 12 | 80 | 50 | 3 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-15-082 | 15 | 80 | 62 | 3 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-18-082 | 18 | 80 | 74 | 3 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-24-082 | 24 | 80 | 99 | 6 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-27-082 | 27 | 80 | 112 | 6 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-30-082 | 30 | 80 | 124 | 6 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-36-082 | 36 | 80 | 149 | 6 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-45-082 | 45 | 80 | 186 | 9 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-54-082 | 54 | 80 | 223 | 9 | 60-1/4" | 26" | 32-1/2" | 52-1/2" | 335 |
| HS-09-120 | 9 | 119 | 37 | 3 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-12-120 | 12 | 119 | 50 | 3 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-15-120 | 15 | 119 | 62 | 3 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-18-120 | 18 | 119 | 74 | 3 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-24-120 | 24 | 119 | 99 | 6 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-27-120 | 27 | 119 | 112 | 6 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-30-120 | 30 | 119 | 124 | 6 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-36-120 | 36 | 119 | 149 | 6 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-45-120 | 45 | 119 | 186 | 9 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |
| HS-54-120 | 54 | 119 | 223 | 9 | 64-1/2" | 30-1/4" | 37-1/4" | 55" | 430 |

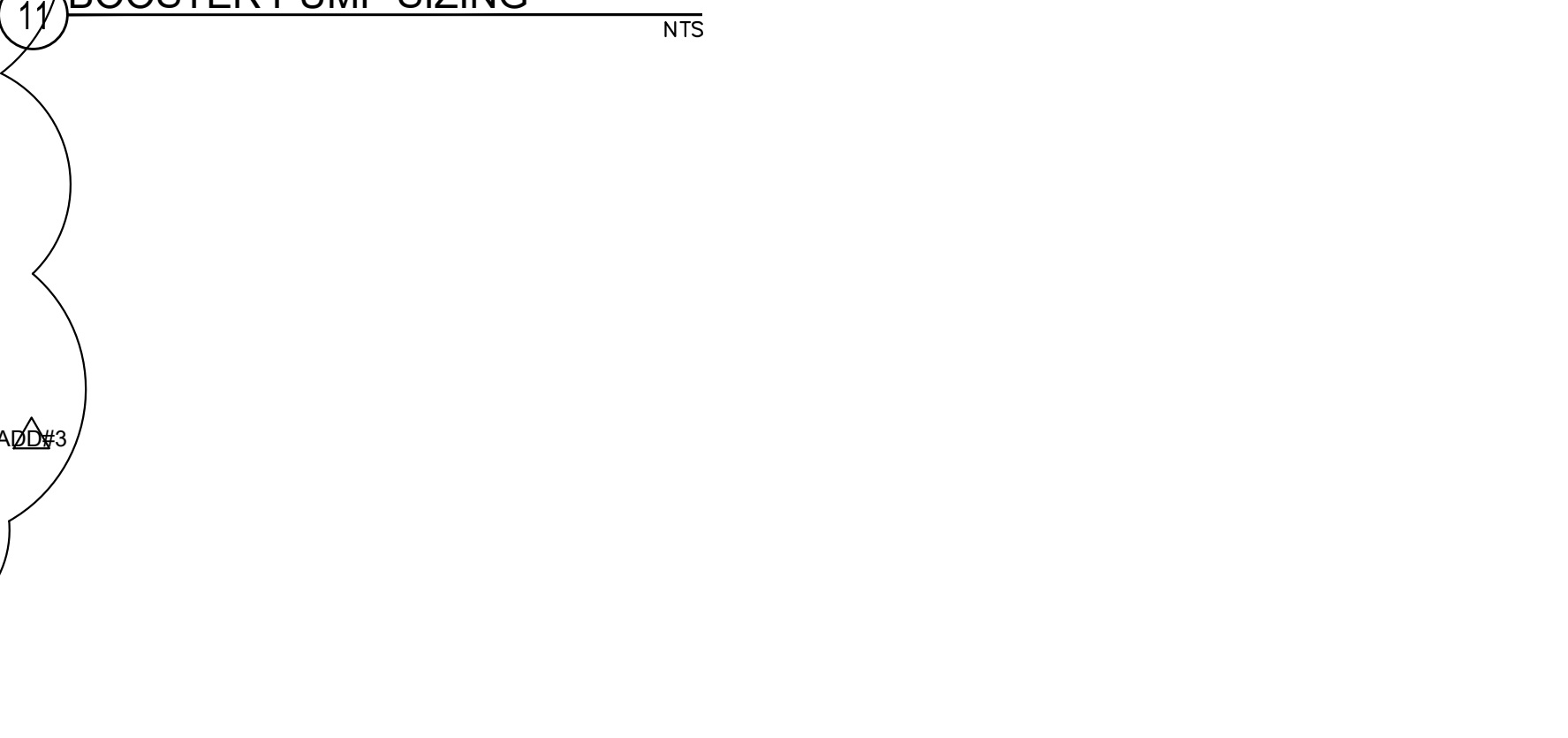
AMPERAGE TABLE

| KW | Single Phase | | | Three Phase | | |
|----|--------------|------|------|-------------|------|------|
| | 208V | 240V | 277V | 208V | 240V | 277V |
| 9 | 43 | 38 | 32 | 25 | 22 | 14 |
| 12 | 58 | 50 | 43 | 33 | 29 | 18 |
| 15 | 72 | 63 | 54 | 42 | 36 | 23 |
| 18 | 87 | 75 | 65 | 50 | 43 | 27 |
| 24 | 115 | 100 | 87 | 67 | 58 | 33 |
| 27 | 130 | 113 | 97 | 75 | 65 | 41 |
| 30 | 144 | 125 | 108 | 83 | 72 | 46 |
| 36 | 173 | 150 | 130 | 100 | 87 | 55 |
| 45 | 215 | 188 | 162 | 125 | 108 | 63 |
| 54 | 260 | 225 | 195 | 150 | 130 | 82 |



| PRESSURE AVAILABLE? (PSI) | BOOST PUMP (BP - PSI) | TAP LOSS (PSI) TBL 103.3(4) | PIPE LOSS (PSI) TBL 103.3(3) | METER LOSS (PSI) SEE CHART | PIPE LOSS (PSI) FPZ+MTR TBL 103.3(3) | RPZ LOSS (PSI) | AUX LOSSES (PSI) | LONGEST DIS. (FEET) | WATER HEATER LOSS (2 PSI) | MIXING VALVE LOSS (10 PSI) | FLUSH VALVE LOSS (25 PSI) | CW HEIGHT (LOSS) (PSI) | HW HEIGHT (LOSS) (PSI) | SK (SINK) (20 PSI) | SWR |
|---------------------------|-----------------------|-----------------------------|------------------------------|----------------------------|--------------------------------------|----------------|------------------|---------------------|---------------------------|----------------------------|---------------------------|------------------------|------------------------|--------------------|-------|
| | | | | | | | | | | | | | | | |
| 60 | + | 0.00 | < | 1.00 | 1.09 | 7.20 | 0.32 | 0.00 | 0.00 | 7.30 | N/A | N/A | 0.00 | 1.08 | 20.00 |
| 60 | + | 0.00 | < | 1.00 | 1.09 | 7.20 | 0.32 | 0.00 | 0.00 | 7.30 | 2.00 | 10.00 | 0.00 | 1.08 | 20.00 |

GENERAL NOTES:
1. PRESSURE LOSS BASED ON A WATER VELOCITY OF 5.0 FPS.
2. FUTURE PRESSURE SELECTED IS THE LATEST IN THE BUILDING EITHER HOT OR COLD.
3. THE PRESSURE LOSS IS CALCULATED BASED ON THE SEGMENTED LOSS METHOD IN THE FLORIDA BUILDING CODE PLUMBING CODE.
4. SELECT THE METER SIZE BASED ON THE PRESSURE LOSS AND NEEDS TO BE COORDINATED WITH THE CIVIL ENGINEER. RISE DOES NOT SPECIFYING THE METER OR THE RISE ON THE CONSTRUCTION DOCUMENTS. THIS CALCULATION IS PROVIDED FOR GUIDANCE IN REGARD TO THE REQUIRED SERVICE PRESSURE IN THE WATER MAIN AND DETERMINATION OF REQUIREMENTS FOR DOMESTIC WATER PUMPS.
5. DETERMINE "C" AND "D" DISTANCES FROM THE CIVIL PLAN.
6. RPZ WATER HEATER AND MIXING VALVE LOSS ARE ADDED.
7. ADD 10 GPM FOR IRRIGATION AND 5 GPM FOR EACH HOSE BIB.



PLUMBING SCHEDULE

| Item No | Quantity | Category | Cold Water | Hot Water | Direct Waste | Indirect Waste | Plumbing Remarks |
|---------|----------|--------------------------------|------------|-----------|--------------|----------------|---------------------------|
| 2 | 1 | Combi Oven, Electric | 3/4" | 2" | | | Bottom Unit |
| 8 | 1 | Work Table with Sink | 1/2" | 1/2" | 1/2" | 1/2" | Top Unit |
| 14 | 1 | Walk-in Cooler Refrigeration | 1/2" | 1/2" | 1/2" | 1/2" | |
| 16 | 1 | Walk-in Freezer Refrigeration | 1/2" | 1/2" | 1/2" | 1/2" | |
| 20 | 1 | Solated Dishtable | 1/2" | 1/2" | 1/2" | 1/2" | |
| 21 | 1 | Dish Washer | 3/4" | 48" | 3/4" | 48" | |
| 24 | 1 | 3-Bay Sink | 1/2" | 1/2" | 1/2" | 1/2" | |
| 26 | 2 | Hand Sink | 1/2" | 1/2" | 1/2" | 1/2" | |
| 30 | 1 | Ice Maker | 3/8" | 48" | | | Ice Maker, Filtered Water |
| 32 | 1 | Beverage Counter | 1/2" | 1/2" | 1/2" | 1/2" | Hand Sink |
| 35 | 1 | Glass Filler Station | 1/2" | 1/2" | 1/2" | 1/2" | |
| 36 | 1 | Coffee Brewer | 3/8" | 48" | | | |
| 102 | 1 | Hot Food Well Unit, Drop-in | | | | | |
| 103 | 1 | Hot Food Well Unit, Drop-in | | | | | |
| 102.2 | 1 | Cold Food Well Unit, Drop-in | | | | | |
| 109 | 1 | Work Table, with Prep Sink | 1/2" | 1/2" | 1/2" | 1/2" | |
| 112 | 1 | Beverage Counter | 1/2" | 1/2" | 1/2" | 1/2" | |
| 114 | 1 | Glass Filler Station | 1/2" | 1/2" | 1/2" | 1/2" | |
| 117 | 1 | Ice Maker with Bin, Cube-Style | 1/2" | 1/2" | 1/2" | 1/2" | Ice Maker |
| 120 | 1 | Dishable, Solled "L" Shaped | 1/2" | 1/2" | 1/2" | 1/2" | |
| 121 | 1 | Dishwasher, Conveyor Type | 1/2" | 48" | 1/2" | 48" | |
| 122 | 2 | Hand Sink | 1/2" | 1/2" | 1/2" | 1/2" | |
| 131 | 1 | Walk-in Cooler Refrigeration | 1/2" | 1/2" | 1/2" | 1/2" | |
| 132 | 1 | Walk-in Freezer Refrigeration | 1/2" | 1/2" | 1/2" | 1/2" | |
| 201 | 2 | Underbar Sink Units | 3/8" | 18" | 3/8" | 18" | Glass rinser |
| 214 | 1 | Glass Filler Station | 1/2" | 1/2" | 1/2" | 1/2" | Sink |
| 203 | 2 | Ice Bin | | | | | Dipper well |
| 204 | 2 | Glass Rack | 3/8" | 18" | 3/8" | 18" | |
| 206 | 1 | Waste Cabinet | 3/8" | 18" | 3/8" | 18" | |
| 207 | 1 | Drainboard | | | | | |
| 208 | 1 | Drainboard | | | | | |
| 209 | 1 | Glasswasher, Underbar | 1/2" | 1/2" | 1/2" | 1/2" | |
| 211 | 1 | Bear Tower and Trough | 1/2" | | | | |
| 300 | 1 | Ice & Water Dispenser | 3/8" | 36" | | | |
| 307 | 1 | Snack Counter with Sink | 1/2" | 1/2" | 1/2" | 1/2" | |

12 MEZZANINE FOOD SERVICE SCHEDULE
N.T.S.

SANITARY DEMAND
(BASED ON FBC 7TH EDITION (2020) PLUMBING, TABLE 709.1)

| DESCRIPTION | # | DFU EA | TOTAL DFU |
|------------------------------------|----|--------|--------------|
| DISHWASHING MACHINE, DOMESTIC | 2 | 2 | 4.0 |
| DRINKING FOUNTAIN | 1 | 0.5 | 0.5 |
| FLOOR DRAIN | 7 | 2 | 14.0 |
| ICE MAKER | 2 | 0.5 | 1.0 |
| INDIRECT WASTE RECEPTOR (3"Ø TRAP) | 6 | 5 | 30.0 |
| INDIRECT WASTE RECEPTOR (4"Ø TRAP) | 1 | 6 | 6.0 |
| JANITOR SINK | 1 | 2 | 2.0 |
| KITCHEN SINK, DOMESTIC | 9 | 2 | 18.0 |
| LAVATORY | 11 | 1 | 11.0 |
| URINAL (≤ 1 GAL/FLUSH) | 4 | 2 | 8.0 |
| WATER CLOSET, PUBLIC (≤ 1.6 GPF) | 12 | 4 | 48.0 |
| TOTAL | | | 142.5 |

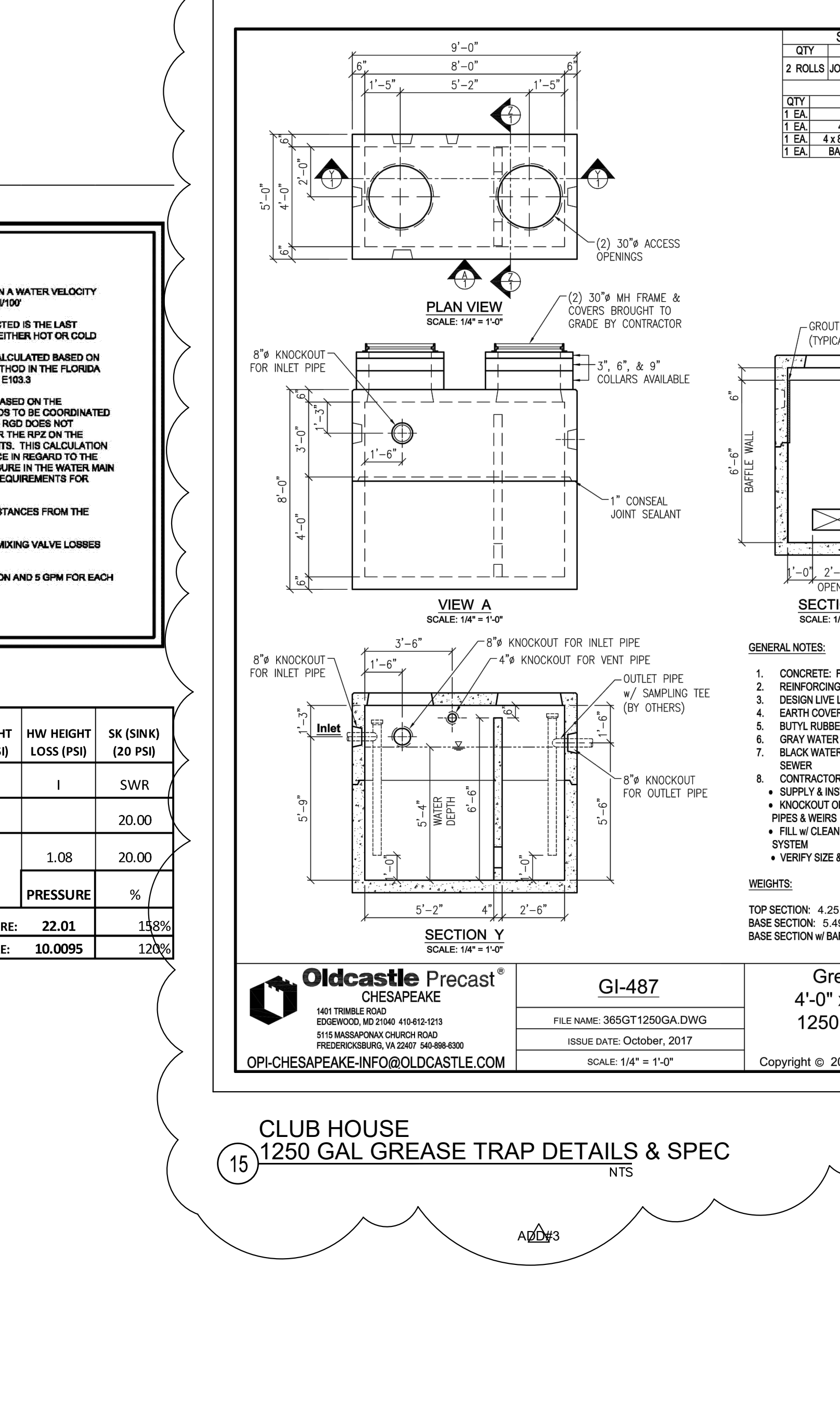
MAXIMUM ALLOWABLE BUILDING DRAIN SIZE @ 1/8" / FT. 4"
FLORIDA BUILDING CODE 7TH EDITION (2020) - PLUMBING, TABLE 710.1(1)

DOMESTIC WATER DEMAND
PER TABLE E 103.3(2), FBC 7TH EDITION (2020) - PLUMBING

| DESCRIPTION | QTY | COLD | | HOT | | TOTAL WSFU | |
|------------------------------------|-----|------|---------------|------|--------------|------------|---------------|
| | | EACH | TOTAL | EACH | TOTAL | EACH | TOTAL |
| DRINKING FOUNTAIN | 1 | 0.25 | 0.25 | - | - | 0.25 | 0.25 |
| JANITOR SINK | 1 | 2.25 | 2.25 | 2.25 | 2.25 | 3.0 | 3.00 |
| KITCHEN DISHWASHER | 2 | 0.0 | 0.0 | 4.0 | 8.0 | 4.0 | 8.00 |
| ICE MAKER | 2 | 0.25 | 0.50 | - | - | 0.25 | 0.50 |
| KITCHEN FIXTURE (MEDIUM FLOW) | 6 | 1.5 | 9.00 | 1.5 | 9.00 | 2.0 | 12.00 |
| KITCHEN FIXTURE (HIGH FLOW) | 1 | 2.25 | 2.25 | 2.25 | 2.25 | 3.0 | 3.00 |
| KITCHEN HAND SINK | 9 | 1.5 | 13.50 | 1.5 | 13.50 | 2.0 | 18.00 |
| LAVATORY (PUBLIC) | 11 | 1.5 | 16.50 | 1.5 | 16.50 | 2.0 | 22.00 |
| URINAL (1" FLUSH VALVE) | 4 | 10.0 | 40.00 | - | - | 10.0 | 40.00 |
| WATER CLOSET (FLUSH VALVE, PUBLIC) | 12 | - | - | - | - | 10.0 | 120.00 |
| TOTAL | | | 204.25 | | 51.50 | | 226.75 |

VELOCITY 6FT / SEC MAX
DEMAND FLOW = 96 GPM
DEMAND FLOW PER TABLE E 103.3(2), FBC 7TH EDITION (2020) - PLUMBING
SERVICE LINE SIZE = 3"Ø

13 CLUB HOUSE SANITARY & DOMESTIC DEMANDS
N.T.S.



NOTE:
SCHEDULE PROVIDED AS A REFERENCE ONLY. SCHEDULE PROVIDED BY FOOD SERVICE CONTRACTOR DATED 03-13-2023. REFERENCE APPROVED FOOD SERVICE DRAWINGS PRIOR TO CONSTRUCTION.

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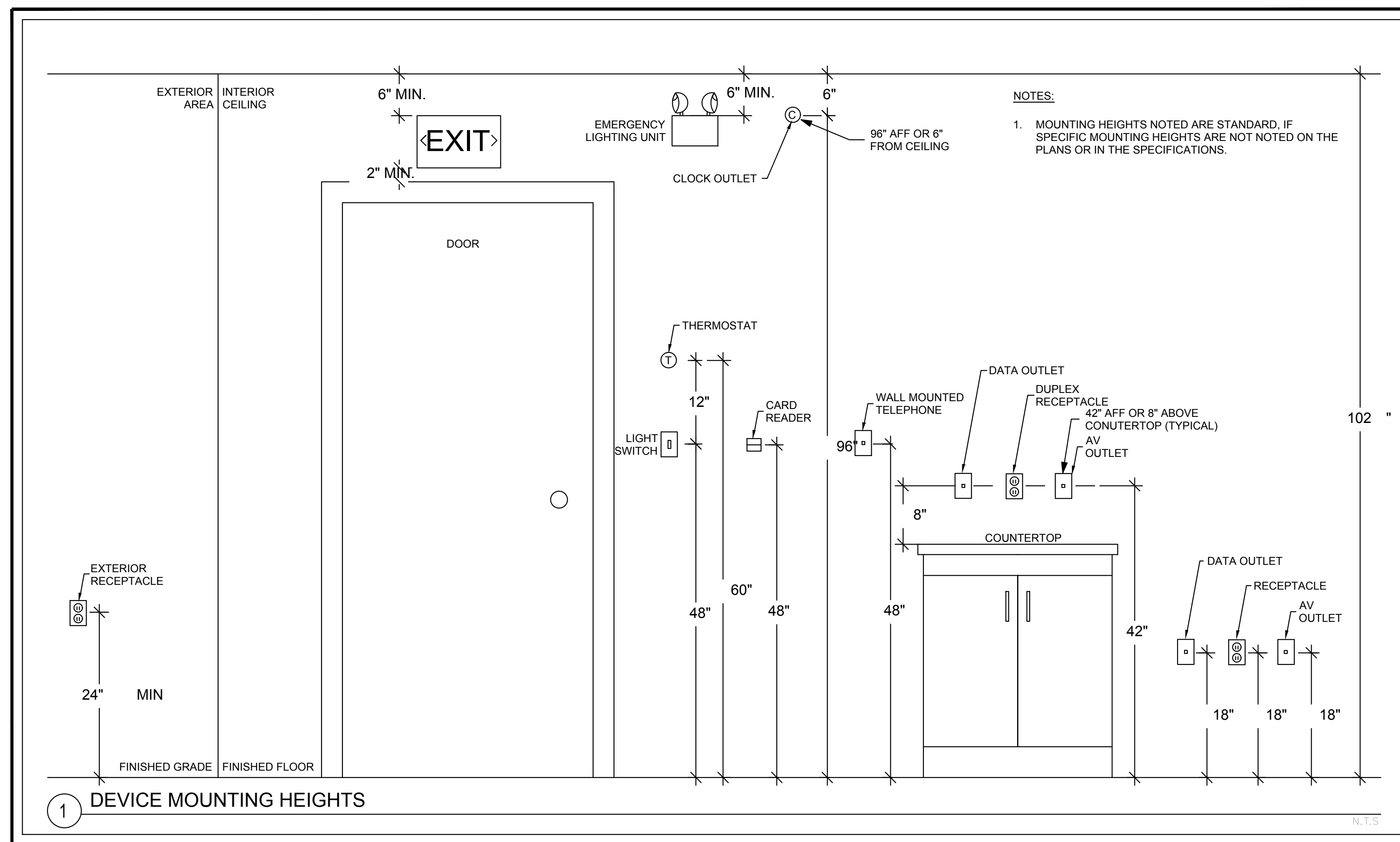
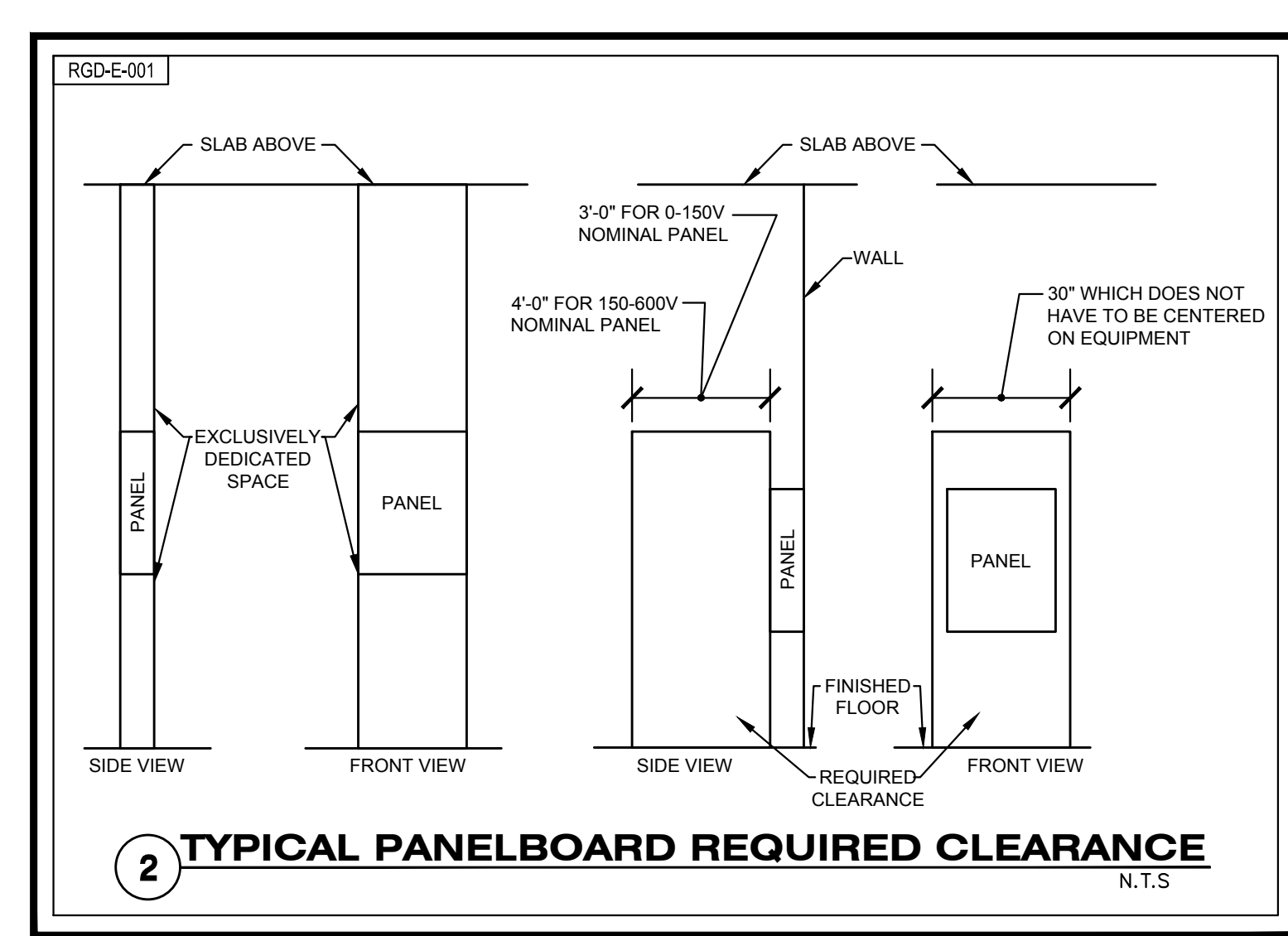
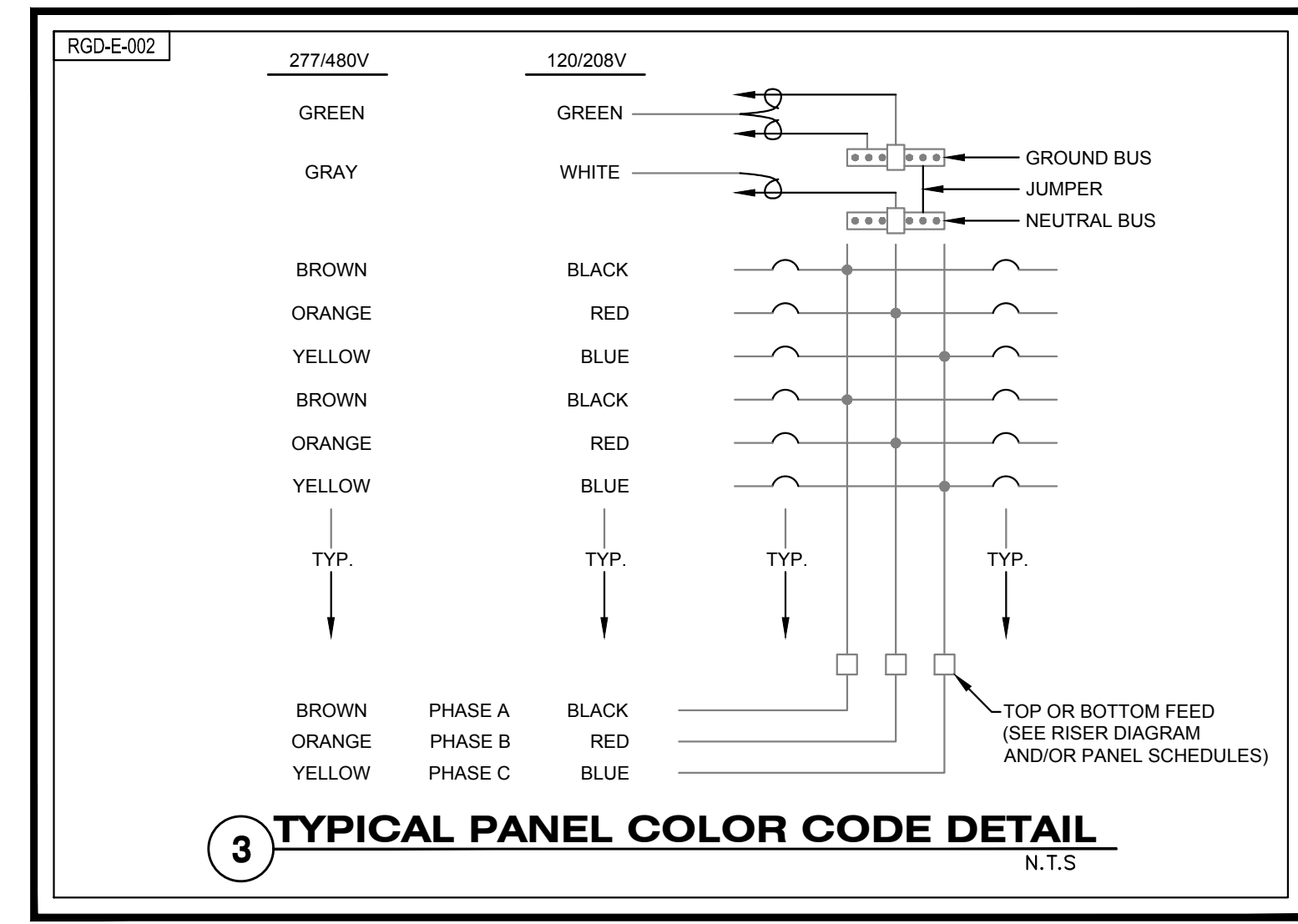
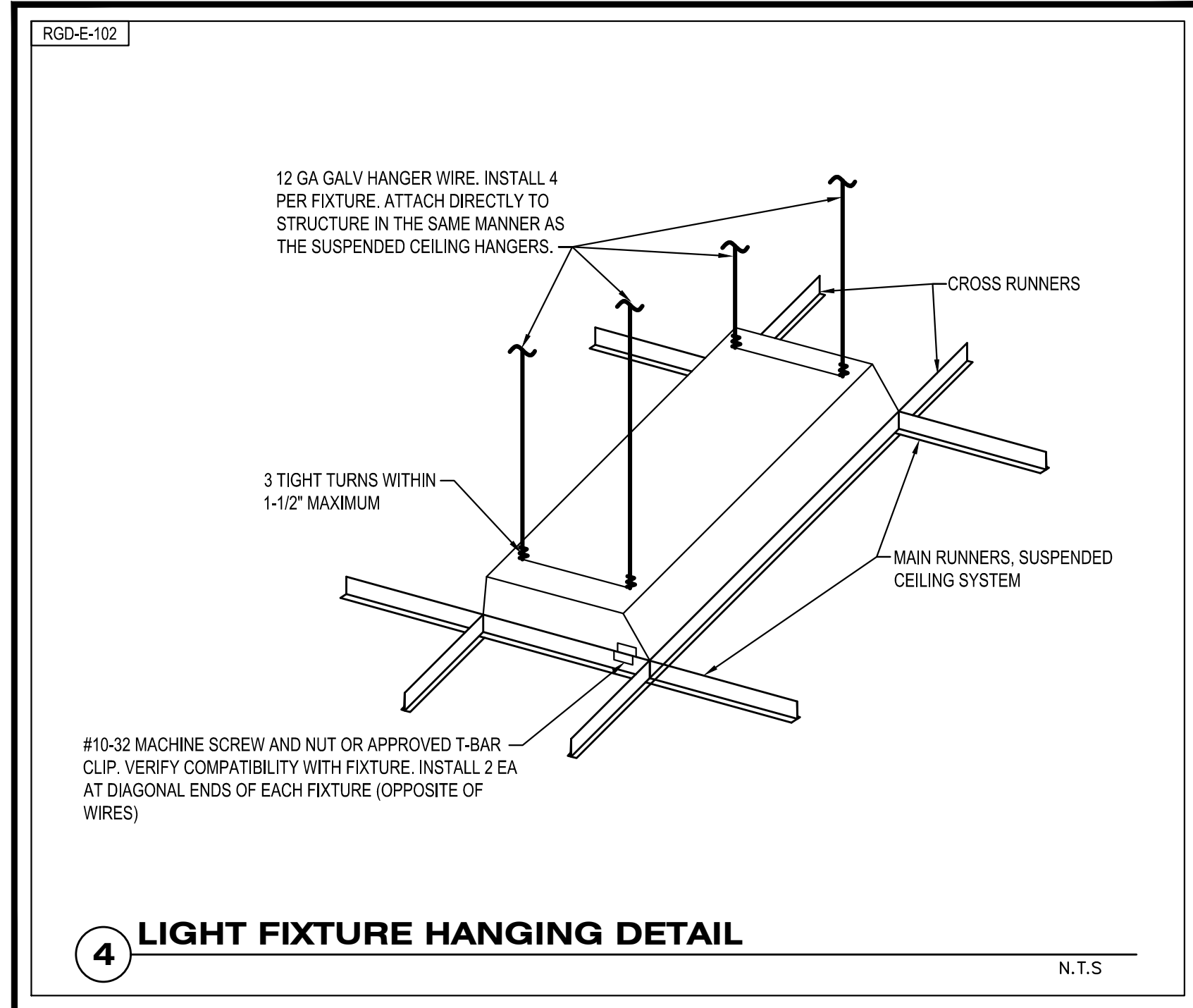
This item has been electronically signed and sealed by Sean Sukhu, P.E., on the date and/or time stamp shown using a digital signature.
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| TRANSFORMER SCHEDULE | | | | | | | | | |
|----------------------|-----|----------------|---------|---------|-------------|----------------|---------|---------|-------------|
| NUMBER | KVA | PRIMARY | | | | SECONDARY | | | |
| | | CONDUCTOR - CU | CONDUIT | CONDUIT | GROUND - CU | CONDUCTOR - CU | CONDUIT | CONDUIT | GROUND - CU |
| 1 | 15 | 3#10 | 3/4" | N/A | 1#10 | 4#6 | 1" | N/A | 1#8 |

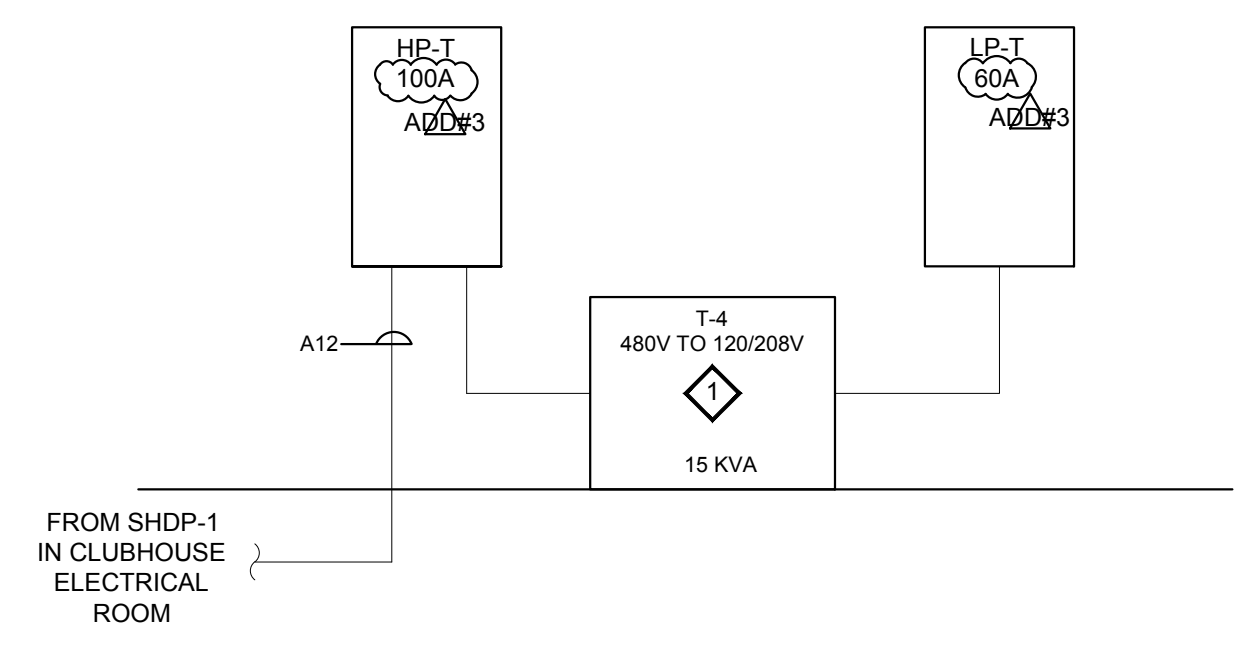
| FEEDER SCHEDULE | | | | | | | | | | | | |
|--------------------|--------|-------------|---------|-----------|--------------------------|---------|--------|--------------|-------------------|---------------|------------------|-------------------------------|
| FEEDER DESIGNATION | ORIGIN | TERMINATION | VOLTAGE | # OF SETS | CONDUCTOR SIZE (AWG/MCM) | | | CONDUIT TYPE | CONDUIT SIZE (IN) | LENGTH (FEET) | VOLTAGE DROP (%) | COMMENTS |
| | | | | | PHASE | NEUTRAL | GROUND | | | | | |
| A8 | SHDP-1 | HP-T | 480 | 1 | 1Cu | 1Cu | - | PVC | 1 1/2 | 500 | 1.5% | TRANSITION TO EMT ABOVE GRADE |

NOTE: FEEDER LENGTH AND VOLTAGE DROP % SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR SHALL VERIFY FINAL FEEDER LENGTHS AND VOLTAGE DROP ON CALCULATED DEMAND LOADS AS PER 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION SECTION C405.6.3. FEEDER + BRANCH CIRCUIT VOLTAGE DROP SHALL NOT EXCEED 5% TOTAL (2.5% ON FEEDER 2.5% ON BRANCH)

| CONTROL PANEL SCHEDULE (Sandridge Golf Club - Turn Building) | | | | | | | |
|--|---------|-------|------------------------------|-----------|---------------------|------------------|---------|
| Panel | Circuit | Relay | Area | Type | Control Type | Load Description | Dimming |
| LCP5 | HP-T-8 | 1 | Exterior | SE1, SE2 | TIMECLOCK/PHOTOCELL | LED | N/A |
| LCP5 | HP-T-8 | 2 | 001 - Grab & Go Food service | DE1, DE1E | TIMECLOCK/KEYPAD | LED | 0-10V |
| LCP5 | HP-T-8 | 3 | 006 - Service | A2, A2E | TIMECLOCK/KEYPAD | LED | 0-10V |
| LCP5 | HP-T-8 | 4 | 007 - Back porch | DE1, DE1E | TIMECLOCK/PHOTOCELL | LED | 0-10V |
| LCP5 | HP-T-8 | 5 | 005 - Back porch | DE1, DE1E | TIMECLOCK/PHOTOCELL | LED | 0-10V |
| LCP5 | | 6 | SPARE | | | | |
| LCP5 | | 7 | SPARE | | | | |
| LCP5 | | 8 | SPARE | | | | |
| LCP5 | | 9 | SPARE | | | | |
| LCP5 | | 10 | SPARE | | | | |
| LCP5 | | 11 | SPARE | | | | |
| LCP5 | | 12 | SPARE | | | | |



1 ELECTRICAL RISER



| NEW PANEL LP-T | | | | | | | | | | | | | | | |
|----------------|------|----------------------------|------|---------|-----|-------|-----|-----|-------|--------------|------|------------------|------|---|--|
| A @: | | 4.44 KVA (CONNECTED) | | 3 @ | | 4 W | | | | 120/208 VOLT | | | | | |
| B @: | | 2.33 KVA (CONNECTED) | | | | | | | | 60 AMP BUS | | | | | |
| C @: | | 2.23 KVA (CONNECTED) | | | | | | | | | | | | | |
| TOTAL | | 9.00 KVA (CONNECTED) | | 25 AMPS | | | | | | | | 3P-60A M.C.B. | | BREAKER INTERRUPT RATING: 14,000 A.I.C. | |
| TOTAL | | 7.56 KVA (NEC 220) | | 21 AMPS | | | | | | | | | | | |
| COND | WIRE | LOAD DESCRIPTION | KVA | KVA | KVA | CB | CB | CB | KVA | KVA | KVA | LOAD DESCRIPTION | WIRE | COND | |
| SIZE | SIZE | | A @ | B @ | C @ | NO. | NO. | NO. | A @ | B @ | C @ | | SIZE | SIZE | |
| 1/2" | 2#12 | 300 GALL WATER DISP RM 001 | 1.03 | | | 1P-20 | 1 | 2 | 2P-20 | | | AHU-1 | 2#12 | 1/2" | |
| 1/2" | 2#12 | 301 REF MERCH RM 001 | 0.72 | | | 1P-20 | 3 | 4 | | | | | | | |
| 1/2" | 2#12 | 302 UC REF RM 001 | 0.29 | | | 1P-20 | 5 | 6 | 2P-20 | | 1.44 | | | | |
| 1/2" | 2#12 | 303 FREEZER RM 001 | 0.88 | | | 1P-20 | 7 | 8 | | | | | | | |
| 1/2" | 2#12 | 304 HOT DOG GRILL RM 001 | 0.69 | | | 1P-20 | 9 | 10 | | | | SPARE | | | |
| 1/2" | 2#12 | 304 HOT DOG GRILL RM 001 | 0.50 | | | 1P-20 | 11 | 12 | | | | SPARE | | | |
| 1/2" | 2#12 | RECEPT RM 001/006 | 1.08 | | | 1P-20 | 13 | 14 | | | | SPARE | | | |
| 1/2" | 2#12 | RECEPT RM 001/006 | 0.52 | | | 1P-20 | 15 | 16 | | | | SPARE | | | |
| | | SPARE | | | | | 17 | 18 | | | | SPARE | | | |
| | | SPARE | | | | | 19 | 20 | | | | SPARE | | | |
| | | SPARE | | | | | 21 | 22 | | | | SPARE | | | |
| | | SPARE | | | | | 23 | 24 | | | | SPARE | | | |
| | | SPARE | | | | | 25 | 26 | | | | SPARE | | | |
| | | SPARE | | | | | 27 | 28 | | | | SPARE | | | |
| | | SPARE | | | | | 29 | 30 | | | | SPARE | | | |

| NEW PANEL HP-T | | | | | | | | | | | | | | | |
|----------------|------|-----------------------|------|---------|-----|-------|-----|-----|-------|--------------|------|------------------|------|---|--|
| A @: | | 10.75 KVA (CONNECTED) | | 3 @ | | 4 W | | | | 277/480 VOLT | | | | | |
| B @: | | 8.04 KVA (CONNECTED) | | | | | | | | 100 AMP BUS | | | | | |
| C @: | | 7.94 KVA (CONNECTED) | | | | | | | | | | | | | |
| TOTAL | | 26.73 KVA (CONNECTED) | | 32 AMPS | | | | | | | | 3P-100A M.C.B. | | BREAKER INTERRUPT RATING: 14,000 A.I.C. | |
| TOTAL | | 25.44 KVA (NEC 220) | | 31 AMPS | | | | | | | | | | | |
| COND | WIRE | LOAD DESCRIPTION | KVA | KVA | KVA | CB | CB | CB | KVA | KVA | KVA | LOAD DESCRIPTION | WIRE | COND | |
| SIZE | SIZE | | A @ | B @ | C @ | NO. | NO. | NO. | A @ | B @ | C @ | | SIZE | SIZE | |
| 3/4" | 3#12 | LIFT STATION | 3.71 | | | 3P-25 | 1 | 2 | 2.00 | | 2.00 | EW-2 | 3#12 | 3/4" | |
| | | SPARE | | | | | 3 | 4 | | | | | | | |
| | | SPARE | | | | | 5 | 6 | | | | | | | |
| | | SPARE | | | | | 7 | 8 | 1P-20 | 0.60 | | INTERIOR LIGHTS | 2#12 | 1/2" | |
| | | SPARE | | | | | 9 | 10 | 1P-20 | | | SPARE | | | |
| | | SPARE | | | | | 11 | 12 | 1P-20 | | | SPARE | | | |
| | | SPARE | | | | | 13 | 14 | 1P-20 | | | SPARE | | | |
| | | SPARE | | | | | 15 | 16 | 1P-20 | | | SPARE | | | |
| | | SPARE | | | | | 17 | 18 | 1P-20 | | | SPARE | | | |
| | | SPARE | | | | | 19 | 20 | 1P-20 | | | SPARE | | | |
| | | SPARE | | | | | 21 | 22 | | | | SPARE | | | |
| | | SPARE | | | | | 23 | 24 | | | | SPARE | | | |
| | | SPARE | | | | | 25 | 26 | | | | SPARE | | | |
| | | SPARE | | | | | 27 | 28 | | | | SPARE | | | |
| | | SPARE | | | | | 29 | 30 | | | | SPARE | | | |

| ID | INTERIOR DOOR AND FRAME SCHEDULE | | | | | | | | | | | | | | FIRE RATING LABEL | HARDWARE SET NO. | KEYS/DE RM NO. | NOTES |
|------|----------------------------------|-------|----------|--------------|--------|-----|------|----|--------------|------|---------|---------|--------|-----------|-------------------|------------------|--------------------------|-------|
| | DOOR | | | | LOUVER | | | | FRAME | | | | DETAIL | | | | | |
| | SIZE | MATL | GLAZIN G | EL | WD | HGT | MATL | EL | HEAD | JAMB | SILL | | | | | | | |
| 1014 | 3'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 7 | | | |
| 1015 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 7 | | | |
| 1016 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 8 | | | |
| 1017 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 9 | | | |
| 1019 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1020 | 6'-0" | 8'-0" | 1 3/4" | WOOD | -- | J | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 11 | | | |
| 1021 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1022 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 13 | | | |
| 1023 | 6'-0" | 8'-0" | 1 3/4" | WOOD | -- | K | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 12 | | | |
| 1024 | 6'-0" | 8'-0" | 1 3/4" | WOOD | -- | K | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 14 | | | |
| 1025 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1026 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1027 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 15 | | | |
| 1028 | 6'-0" | 8'-0" | 1 3/4" | WOOD | -- | J | 0" | 0" | WOOD | A | 11/303 | 1/303 | -- | -- | 11 | | | |
| 1029 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 16 | | | |
| 1030 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 17 | | | |
| 1031 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1032 | 2'-4" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1033 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1034 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 17 | | | |
| 1035 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1036 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1037 | 2'-4" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1038 | 2'-4" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1039 | 2'-4" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1040 | 2'-4" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1041 | 3'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | -- | N | 0" | 0" | HOLLOW METAL | B | 11/A803 | 11/A803 | -- | -- | 16 | | | |
| 1042 | 6'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | CLEAR | O | 0" | 0" | HOLLOW METAL | B | 11/A803 | 11/A803 | -- | -- | 18 | | | |
| 1043 | 3'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | -- | N | 0" | 0" | HOLLOW METAL | B | 11/A803 | 11/A803 | -- | -- | 10 | | | |
| 1044 | 3'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | CLEAR | M | 0" | 0" | HOLLOW METAL | B | 11/A803 | 11/A803 | -- | -- | 7 | | | |
| 1045 | 3'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | -- | N | 0" | 0" | HOLLOW METAL | B | 5/A803 | 5/A803 | -- | 1.5 hours | 19 | | | |
| 1046 | 6'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | -- | R | 0" | 0" | HOLLOW METAL | B | 11/A803 | 11/A803 | -- | -- | 18 | | | |
| 1047 | 3'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | -- | N | 0" | 0" | HOLLOW METAL | B | 11/A803 | 11/A803 | -- | -- | 15 | | | |
| 1048 | 4'-0" | 8'-0" | 1 3/4" | WOOD | -- | P | 0" | 0" | WOOD | B | 17/A803 | 17/A803 | -- | -- | 22 | | | |
| 1049 | 3'-4" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | B | 17/A803 | 17/A803 | -- | -- | 18 | | | |
| 1050 | 3'-0" | 8'-0" | 1 3/4" | HOLLOW METAL | -- | N | 0" | 0" | HOLLOW METAL | B | 11/A803 | 11/A803 | -- | -- | 20 | | | |
| 1051 | 3'-6" | 7'-0" | 1 3/4" | SS | -- | Q | 0" | 0" | WOOD | A | 1/303 | 1/303 | -- | -- | | | | |
| 1052 | 6'-0" | 8'-0" | 1 3/4" | WOOD | -- | L | 0" | 0" | WOOD | A | 11/303 | 1/303 | -- | -- | 21 | | | |
| 1053 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 18 | | | |
| 1054 | 3'-0" | 8'-0" | 1 3/4" | WOOD | -- | I | 0" | 0" | WOOD | A | 11/A803 | 11/A803 | -- | -- | 18 | | | |
| 1055 | 6'-0" | 8'-0" | 1 3/4" | WOOD | -- | L | 0" | 0" | WOOD | A | 11/303 | 1/303 | -- | -- | 21 | | | |
| 1056 | 6'-0" | 8'-0" | 1 3/4" | WOOD | -- | K | 0" | 0" | HOLLOW METAL | A | 17/A803 | 17/A803 | -- | -- | 21 | | | |
| 1057 | 4'-0" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 16/A803 | 16/A803 | -- | -- | | | CASED OPENING | |
| 1058 | 4'-6" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1059 | 6'-0" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1060 | 4'-6" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1061 | 4'-6" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1062 | 4'-6" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1063 | 4'-0" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 16/A803 | 16/A803 | -- | -- | | | CASED OPENING | |
| 1064 | 4'-0" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1065 | 4'-6" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1066 | 7'-0" | 8'-0" | -- | Undefined | -- | -- | 0" | 0" | -- | -- | 1/303 | 1/303 | -- | -- | | | CASED OPENING W/ TRANSOM | |
| 1067 | 7'-0" | 8'-0" | -- | Undefined | -- | -- | 0" | 0" | -- | -- | 1/303 | 1/303 | -- | -- | | | CASED OPENING W/ TRANSOM | |
| 1068 | 5'-0" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 16/A803 | 16/A803 | -- | -- | | | CASED OPENING | |
| 1069 | 5'-0" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 1070 | 5'-0" | 8'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | 19/A803 | 19/A803 | -- | -- | | | CASED OPENING | |
| 2001 | 3'-0" | 7'-0" | 1 3/4" | HOLLOW METAL | -- | N | 0" | 0" | HOLLOW METAL | B | 5/A803 | 5/A803 | -- | 1.5 hours | 19 | | | |
| 2004 | 6'-0" | 7'-0" | -- | -- | -- | -- | 0" | 0" | -- | -- | -- | -- | -- | -- | | | CASED OPENING | |

| ID | EXTERIOR DOOR AND FRAME SCHEDULE | | | | | | | | | | | | | | FIRE RATING LABEL | HARDWARE SET NO. | KEYS/DE RM NO. | NOTES |
|------|----------------------------------|-------|----------|--------------|--------|-----|------|----|--------------|------|-----------|-----------|---------|----|-------------------|------------------|--------------------------|-------|
| | DOOR | | | | LOUVER | | | | FRAME | | | | DETAIL | | | | | |
| | SIZE | MATL | GLAZIN G | EL | WD | HGT | MATL | EL | HEAD | JAMB | SILL | | | | | | | |
| 1001 | 6'-0" | 8'-0" | 1 3/4" | WOOD | IMPACT | B | 0" | 0" | WOOD | A | 4/UR26911 | 4/UR26911 | -- | -- | 1 | | SEE ELEVATION FOR CONFIG | |
| 1002 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | A | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 2 | | | |
| 1003 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | C | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 2 | | | |
| 1004 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | C | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 2 | | | |
| 1005 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | C | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 2 | | | |
| 1006 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | C | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 3 | | | |
| 1007 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | C | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 3 | | | |
| 1008 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | C | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 3 | | | |
| 1009 | 6'-0" | 8'-0" | 1 3/4" | ALUMINUM | IMPACT | C | 0" | 0" | ALUMINUM | A | 6/A805 | 15/A805 | 16/A805 | -- | 3 | | | |
| 1010 | 3'-0" | 7'-0" | 1 3/4" | HOLLOW METAL | -- | D | 0" | 0" | HOLLOW METAL | B | 2/A804 | 2/A804 | 8/A804 | -- | 4 | | | |
| 1011 | 3'-0" | 7'-0" | 1 3/4" | HOLLOW METAL | -- | D | 0" | 0" | HOLLOW METAL | B | 2/A804 | 2/A804 | 8/A804 | -- | 4 | | | |
| 1012 | 6'-0" | 7'-0" | 1 3/4" | ALUMINUM | -- | F | 0" | 0" | HOLLOW METAL | B | 2/A804 | 2/A804 | 8/A804 | -- | 5 | | | |
| 1013 | 3'-0" | 7'-0" | 1 3/4" | HOLLOW METAL | -- | D | 0" | 0" | HOLLOW METAL | B | 2/A804 | 2/A804 | 8/A804 | -- | 4 | | | |
| 2002 | 3'-0" | 6'-8" | 1 3/4" | HOLLOW METAL | -- | E | 0" | 0" | HOLLOW METAL | C | 6/A805 | 6/A805 | 9/A805 | -- | 6 | | | |
| 2003 | 3'-0" | 6'-8" | 1 3/4" | HOLLOW METAL | -- | E | 0" | 0" | HOLLOW METAL | C | 6/A805 | 6/A805 | 9/A805 | -- | 6 | | | |

| DOOR HARDWARE SETS | |
|---|---|
| GROUP 1 - MAIN ENTRY | <ul style="list-style-type: none"> PUSH PLATE PULL BUTT HINGES CONCEALED CLOSER W/ HOLD OPEN PERIMETER GASKETS THRESHOLD AUTOMATIC OPENER W/ PUSH BUTTON PANIC BAR CONCEALED FLUSH BOLTS TOP & BOTTOM (THUMB TURN INSIDE, CYLINDER OUTSIDE) |
| GROUP 2 - STOREFRONT ENTRY | <ul style="list-style-type: none"> PULL PANIC BAR CONCEALED FLUSH BOLTS TOP AND BOTTOM (THUMB TURN INSIDE BUILDING, CYLINDER OUTSIDE) HINGES BY STOREFRONT SURFACE MOUNTED CLOSER W/ HOLD OPEN PERIMETER GASKETS THRESHOLD FLOOR DOME STOP DUST PROOF STRIKE |
| GROUP 3 - STOREFRONT NON ENTRY | <ul style="list-style-type: none"> PULL PANIC BAR CONCEALED FLUSH BOLTS TOP AND BOTTOM HINGES BY STOREFRONT SURFACE MOUNTED CLOSER W/ HOLD OPEN PERIMETER GASKETS THRESHOLD DOOR STOP |
| GROUP 4 - EXTERIOR MECHANICAL ROOM | <ul style="list-style-type: none"> STOREROOM LOCKSET BUTT HINGES SURFACE MOUNTED CLOSER PERIMETER GASKETS THRESHOLD PANIC DEVICE (INSIDER ROOM) |
| GROUP 5 - EXTERIOR RECEIVING | <ul style="list-style-type: none"> CLASSROOM LOCKSET BUTT HINGES CONCEALED FLUSH BOLT TOP AND BOTTOM SURFACE MOUNTED CLOSER PERIMETER GASKETS THRESHOLD PANIC DEVICE (INSIDER ROOM) ASTRAGAL |
| GROUP 6 - EXTERIOR ROOF WELL | <ul style="list-style-type: none"> CLASSROOM LOCKSET BUTT HINGES SURFACE MOUNTED CLOSER PERIMETER GASKETS |
| GROUP 7 - OFFICE | <ul style="list-style-type: none"> OFFICE LOCKSET BUTT HINGES SILENCERS COAT HOOK FLOOR DOME STOP |
| GROUP 8 - INTERIOR STOREROOM | <ul style="list-style-type: none"> CLASSROOM LOCKSET BUTT HINGES SILENCERS FLOOR DOME STOP SURFACE MOUNTED CLOSER W/ HOLD OPEN |
| GROUP 9 - INTERIOR PASSAGE SET | <ul style="list-style-type: none"> PASSAGE |

GENERAL NOTES

- ALL WORK SHALL BE CARDED OUT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS, ORDINANCES, REGULATIONS, SOLIDUS CODES AND OTHER RECOMMENDATIONS FROM THE CONTRACTOR OF THE WORK.
- CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, NOTIFY DESIGNER IMMEDIATELY OF ANY DISCREPANCY.
- DO NOT SCALE FROM THESE DRAWINGS; DIMENSIONS GOVERN.
- ALL DIMENSIONS ARE CLEAR UNLESS NOTED OTHERWISE.
- FINISH WORK SHALL BE SMOOTH, FREE FROM ABRASION, TOOL MARKS, BRASS GRIND, ETC. ON EXPOSED SURFACES. ALL FASTENERS AND ATTACHMENTS SHALL BE FULLY CONCEALED FROM VIEW.
- CONTRACTOR SHALL SUBMIT FOR DESIGNER'S APPROVAL SHOP DRAWINGS OF ALL MILLWORK, MISCellaneous SPECIAL FINISHES OR EQUIPMENT (i.e. CABINETRY FROM TO FABRICATION, BASED ON FIELD DIMENSIONS WHICH MUST BE INDICATED ON SHOP DRAWINGS). NO EXCEPTION WILL BE MADE TO THIS REQUIREMENT. ALL SHOP DRAWINGS MUST BE SUBMITTED IN ACCORDANCE WITH THE TERMS OF ONE PRINT EACH. ALLOW THE BUSINESS DAYS FOR REVIEW.
- ALL OPERATIONS PUBLISHED BY UNITED STATES GIPSUM COMPANY IN THE GIPSUM CONSTRUCTION HANDBOOK.
- PRIOR TO INSTALLING OUTLETS, SWITCHES, HANGERS, HANG GRILLS, FIRE EXTINGUISHER NOTIFY OWNER'S FIRE ALARM/NOTICE OF FIRE DEPARTMENT. CONTRACTOR MUST MARK FROM PLUMBING TOOLS LOCATED WHERE INDICATED ON DRAWINGS. CONTRACTOR MUST OBTAIN DIRECTION FROM DESIGNER AND ENGINEER FOR REWEG LOCATIONS AS REQUIRED.
- ALL SWITCHES / DIMMER BOXES TO BE MOUNTED HIGH TO EACH OTHER, WHERE MORE THAN ONE OCCUR, MULTIPLE SWITCHES AND/OR DIMMERS TO BE CARRIED AND PROVIDED WITH SINGLE GANG COMPACTOR OUTLETS SHOULD BE CARRIED HIGH TO ADJACENT SWITCHES OR OUTLETS.
- PRIOR TO ORDERING FINISH MATERIALS, CONTRACTOR SHALL SUBMIT CURRENT PRODUCTION # & 6" MINIMUM SAMPLE OF EACH (IF DIFFERENT ARCHITECTURAL SPECIFICATIONS SPECIFIED FINISH TO DESIGNER FOR APPROVAL.
- THE OWNER, DESIGNER AND PACKAGER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS IN MATERIALS AND FINISHES PRIOR TO THE START OF ANY AND ALL WORK.
- ALL WORK, WHETHER SPORN OF MORTAL, UNLESS SPECIFICALLY ORDERED, SHALL BE CONSIDERED FULLY UNDERSTOOD IN ALL RESPECTS BY THE GENERAL CONTRACTOR, AND HE WILL BE RESPONSIBLE FOR ANY MISINTERPRETATIONS OR CONSEQUENCES THEREOF FOR ALL WORK ON ALL DRAWINGS.
- GENERAL CONTRACTOR SHALL REVIEW AND FORMALIZE HIMSELF WITH THE GENERAL NOTES AND SHOP DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ENTIRE SET OF DRAWINGS AND NOTHING DELETED AND INCLUDED IN ALL CONTRACTS COSTS.
- NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT APPROVAL. PACKING & LEADS WILL BE MAINTAINED AND PROTECTED FROM DAMAGE. CONTRACTOR MUST SUBMIT PRIOR TO THE START OF ANY WORK.
- OWNER MATERIAL CHANGE REQUESTS ON A NONVOLUNTARY BASIS. CONTRACTOR MUST SUBMIT REQUEST TO THE START OF ANY WORK.
- CONTRACTOR RESPONSIBLE FOR OBTAINING LEAD TIMES FOR ALL FINISHES AND IS RESPONSIBLE FOR MAKING SURE ORDERS ARE PLACED WITH APPROPRIATE TIME FOR DELIVERY AND THAT INSULATION, CEILING PANELS TO BE VERIFIED EARLY IN THE PROJECT DUE TO SPACE ITENS RE-SELECTIONS DUE TO MISMATCH IN ORDER PLACEMENT. REFERENCE SOURCE LIST (ON FINISH SCHEDULE) FOR VENDOR'S NAME, ADDRESS AND PHONE NUMBER FOR PRICING AND ORDERING OF ALL FINISHES.
- GENERAL CONTRACTOR TO PROVIDE MILL LUMING OF ALL CONTRACTOR AND OWNER SUPPLIED FINISHES AND INSTALL APPROPRIATE LAMPS FOR LIGHT FIXTURES SPECIFIED. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LEAD TIMES AND DURATION OF LIGHT FIXTURES SPECIFIC DESIGNER DIRECTION UPON PROJECT COMPLETION.
- MILLWORK CONTRACTOR SHALL PROVIDE ALL NECESSARY INTERNAL MILLWORK LUMING. ORDERINGS AS NOTED ON THE MILLWORK DRAWINGS.
- SWITCHES, HANGERS, FIRE PULLS, FIRE ANNUNCIATORS, FIRE STROGES, OUTLETS, FIRE EXTINGUISHER CABINETS, HANG GRILLS ETC. ARE TO BE FIELD MARK FROM MILLWORK & RUNNING FROM A MINIMUM OF 3' CLEAR (TO EDGE OF OBJECT).
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING MECHANICAL, FIRE PROTECTION, LIGHTING, ELECTRICAL & PLUMBING WITH DESIGNER'S DRAWINGS WITH GROUND TRAIL FOR CLEARANCE. NOTIFY DESIGNER IF DISCREPANCIES ARE REQUIRED.
- CONTRACTOR IS RESPONSIBLE FOR ADDRESSING DESIGNER OF ALL REQUIRED GROUND ACCESS TRAILS.
- CONTRACTOR IS RESPONSIBLE FOR ADDRESSING DESIGNER TO WORK WITH CONTRACTOR TO LOCATE THESE TRAILS.
- ALL SWITCHES OR RECEPTALS ON A STANDED WALL OR MILLWORK TO BE BROWN, ALL OTHERS TO BE WHITE.
- PROVIDE MOCK UP OF ANY SCULPTURE STRIP TRAIL INSTALLATIONS FOR APPROVAL.
- MILLWORK CONTRACTOR TO PROVIDE PRECISED CABINET PULLS.
- THE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDED INSTALLATION INSTRUCTIONS AND FOLLOW THE COUNCIL OF AMERICA (TVA) SWITCHES FOR THE INSTALLATION.
- COOPERATIVE OPERATION AND HEIGHTS OF OUTLETS WITH INTERIOR ELEVATIONS.

FINISH SPECIFICATIONS

| FLOOR TILE | STONE TOPS | WALLCOVERING | WALL TILE | PAINT | SPECIAL FINISH |
|--|--|---|--|--|---|
| <p>FT-1 MANUF: ALIAS CONCORRE ITEM: ENJOY OAK NATURAL COLOR: 509 FINISH: 509 SIZE: 1 1/8 x 4 1/4 x 9mm CONTACT: PETE VADES P/205-218-7312 LOCATION: MEN'S RESTROOM</p> | <p>ST-1 MANUF: POWELL QUARTZ ITEM: ROCK SLAT FINISH: 509 SIZE: 1 1/8 x 4 1/4 x 9mm CONTACT: PETE VADES P/205-218-7312 LOCATION: JONES RESTROOM, COPY ROOM</p> | <p>WC-1 MANUF: NATIONAL WALLCOVERING ITEM: ISLAND DUNE P/W-01 COLOR: 509 FINISH: 509 TYPE: 11202 WITH: 57/754"</p> | <p>FT-3 MANUF: TILBER ITEM: AIA BRANCO SIZE: 8" HEXAGON CONTACT: CAROLINA COELHO P/515-526-4482 LOCATION: MEN'S RESTROOM</p> | <p>WT-1 MANUF: TILBER ITEM: AIA DECO OCEAN CIELO SIZE: 8" HEXAGON CONTACT: CAROLINA COELHO P/515-526-4482 LOCATION: MEN'S RESTROOM</p> | <p>ST-4 MANUF: STONE GALLERY USA ITEM: LOOSE BLUE GRANITE SIZE: 3/4" SLABS CONTACT: P/561-840-9689 Socopolysocopolys.com NOTE: SLAB APPROVAL REQUIRED</p> |
| <p>FT-2 MANUF: MILSTONE ITEM: NAVINE COLOR: PINE FINISH: WHITE SIZE: 8 x 48 x 10mm CONTACT: PETE VADES P/205-218-7312 LOCATION: HROUPOHOUT</p> | <p>ST-2 MANUF: POWELL QUARTZ ITEM: MOONSTONE FINISH: 509 CONTACT: powellquartz.com LOCATION: MEN'S RESTROOM</p> | <p>ST-2 MANUF: LIGHT WAVE USER ITEM: DECORATIVE WOOD PANEL CONTACT: JENNIFER KELLY FINISH: JENNIFER KELLY MILLWORKER FINISH TO MATCH BAR CONTACT: P/800-716-2116 LOCATION: RESTAURANT</p> | <p>WT-2 MANUF: TILBER ITEM: AIA DECO SABBA CHARCOAL SIZE: 8" HEXAGON CONTACT: CAROLINA COELHO P/515-526-4482 LOCATION: MEN'S RESTROOM, WANSOOT IN TOILET ROOMS</p> | <p>WT-3 MANUF: SHERWIN WILLIAMS ITEM: SHERWIN WILLIAMS COLOR: SW7005 PURE WHITE FINISH: FAT</p> | <p>ST-2 MANUF: LIGHT WAVE USER ITEM: DECORATIVE WOOD PANEL CONTACT: JENNIFER KELLY FINISH: JENNIFER KELLY MILLWORKER FINISH TO MATCH BAR CONTACT: P/800-716-2116 LOCATION: RESTAURANT</p> |
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This item has been electronically signed and sealed by Sean Suihu, F.A., on the date and/or time stamp shown using a digital signature.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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5300 73RD ST, VERO BEACH, FL, 32987 USA

BID/PERMIT
SET

PROJECT ISSUE DATES:

ADDENDUM-3 01/24/24

SHEET NAME

ELECTRICAL CLUBHOUSE FLOOR PLAN

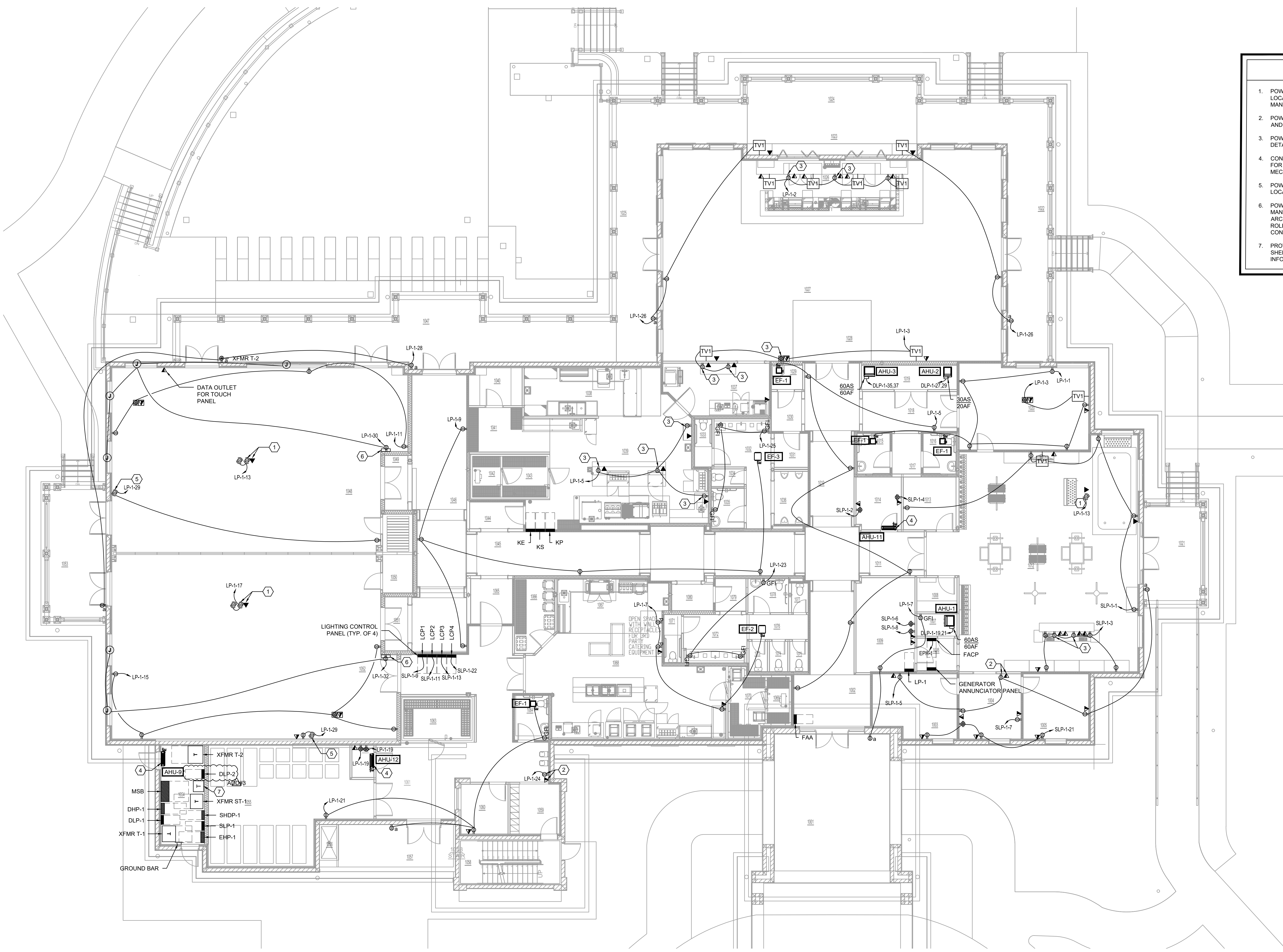
Project Number: 2021.159

DATE: 2023.10.27

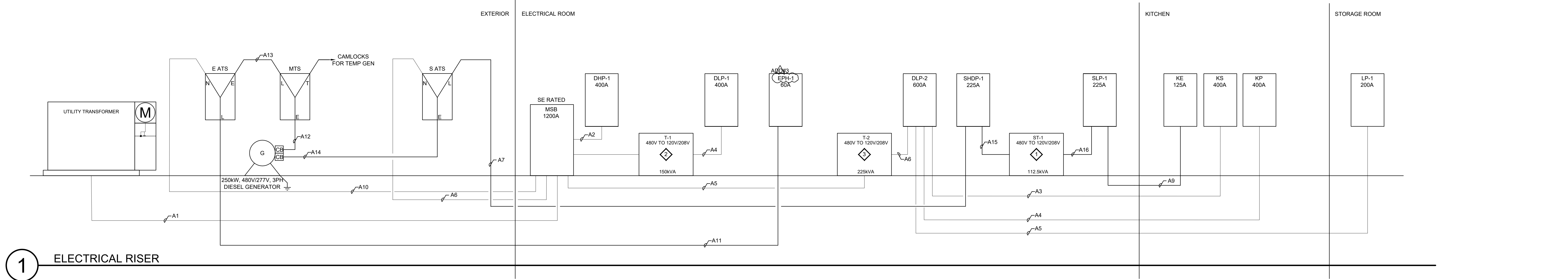
SHEET NUMBER

E101

- ELECTRICAL KEYNOTES**
1. POWER AND DATA CONNECTION FOR PROJECTOR AND PROJECTOR LIFT. COORDINATE EXACT LOCATION OF RECEPTACLE WIRING REQUIREMENTS WITH ARCHITECT AND/OR PROJECTOR MANUFACTURER. REFER TO LOW VOLTAGE DRAWINGS FOR DETAILS.
 2. POWER CONNECTION FOR TIMECLOCK. REFER TO LOW VOLTAGE DRAWINGS FOR EXACT LOCATION AND DETAILS.
 3. POWER CONNECTION FOR P.O.S. REFER TO LOW VOLTAGE DRAWINGS FOR EXACT LOCATION AND DETAILS.
 4. CONNECT AIR HANDLER TO CORRESPONDING CONDENSING UNIT USING 2#10, 1#10G IN 3/4" CONDUIT FOR POWER BRANCH WIRING CONDUIT TO RUN ALONGSIDE REFRIGERANT LINE. REFER TO MECHANICAL DRAWINGS FOR CONDENSING UNIT LOCATION.
 5. POWER CONNECTION FOR ACCESS PANEL. REFER TO LOW VOLTAGE DRAWINGS FOR EXACT LOCATION AND DETAILS.
 6. POWER CONNECTION FOR MOTORIZED SHADES CONTROLLER. COORDINATE WITH CONTROLLER MANUFACTURER AND LIGHTING CONSULTANT FOR DETAILS. CONTRACTOR TO COORDINATE WITH ARCHITECT FOR EXACT LOCATION BEFORE ROUGH-IN. LOW VOLTAGE CONTROL WIRE BY G.C. FROM ROLLER SHADES TO CONTROL LOCATIONS NOTED ON PLANS. PROVIDE CONDUIT RING/STRING FROM CONTROLLER TO NEAREST ACCESSIBLE CEILING.
 7. PROVIDE A 15KVA 480V TO 240V TRANSFORMER FOR EXTERIOR FOUNTAIN. REFER TO SITE PLAN SHEET E001 FOR FOUNTAIN CONNECTION. REFER TO SHEET E200 FOR PANEL SCHEDULE INFORMATION.



1 ELECTRICAL CLUBHOUSE FLOOR PLAN
SCALE: 1/8" = 1'-0"

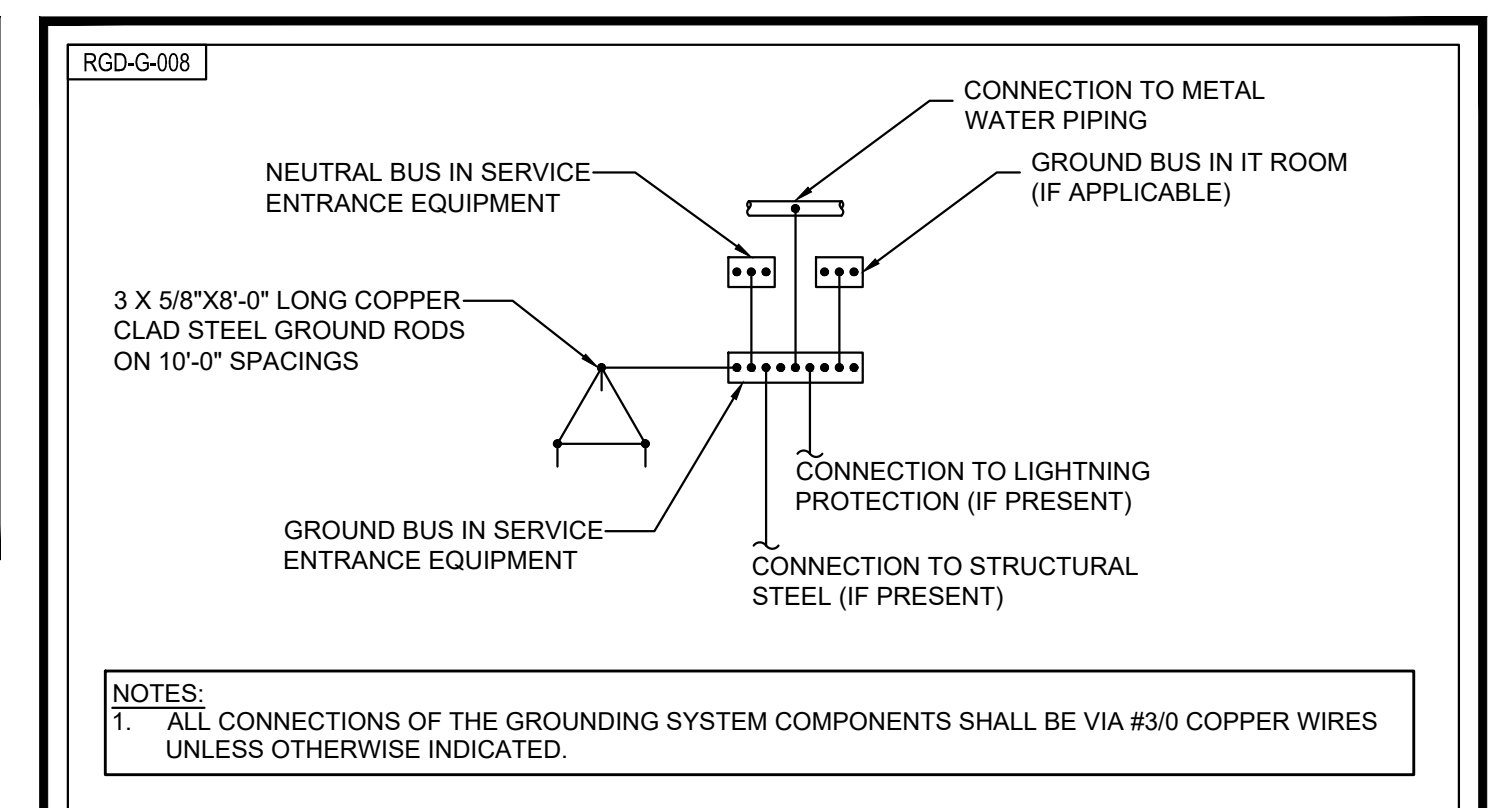


1 ELECTRICAL RISER

| FEEDER DESIGNATION | ORIGIN | TERMINATION | VOLTAGE | # OF SETS | CONDUCTOR SIZE (AWG/MCM) | | | CONDUIT TYPE | CONDUIT SIZE (IN) | LENGTH (FEET) | VOLTAGE DROP (%) | COMMENTS |
|--------------------|--------|-------------|---------|-----------|--------------------------|---------|--------|--------------|-------------------|---------------|------------------|-------------------------------|
| | | | | | PHASE | NEUTRAL | GROUND | | | | | |
| A1 | UT-1 | MSB | 480 | 4 | 350Cu | 350Cu | - | PVC | 3 | 20 | 0.1% | TRANSITION TO EMT ABOVE GRADE |
| A2 | MSB | DHP-1 | 480 | 2 | 3/0Cu | 3/0Cu | - | EMT | 2 | 5 | 0.1% | |
| A3 | DLP-2 | KS | 208 | 2 | 3/0Cu | 3/0Cu | - | PVC | 2 | 85 | 5.2% | |
| A4 | DLP-2 | KP | 208 | 2 | 3/0Cu | 3/0Cu | - | PVC | 2 | 85 | 5.2% | |
| A5 | DLP-2 | LP-1 | 208 | 1 | 3/0Cu | 3/0Cu | - | PVC | 2 | 135 | 3.7% | |
| A6 | MSB | S-ATS | 480 | 1 | 4/0Cu | 4/0Cu | - | PVC | 2 1/2 | 80 | 0.4% | |
| A7 | S-ATS | SHDP-1 | 480 | 1 | 4/0Cu | 4/0Cu | - | PVC | 2 1/2 | 80 | 0.7% | TRANSITION TO EMT ABOVE GRADE |
| A8 | SLP-1 | KE | 208 | 1 | 1Cu | 1Cu | - | PVC | 1 1/2 | 85 | 1.4% | TRANSITION TO EMT ABOVE GRADE |
| A10 | MSB | E-ATS | 480 | 1 | 6Cu | 6Cu | - | PVC | 1 | 80 | 0.2% | TRANSITION TO EMT ABOVE GRADE |
| A11 | E-ATS | EPH-1 | 480 | 1 | 6Cu | 6Cu | - | PVC | 1 | 80 | 0.3% | TRANSITION TO EMT ABOVE GRADE |
| A12 | GEN-1 | MTS | 208 | 1 | 6Cu | 6Cu | - | PVC | 1 | 20 | 0.1% | TRANSITION TO EMT ABOVE GRADE |
| A13 | MTS | E-ATS | 480 | 1 | 6Cu | 6Cu | - | PVC | 1 | 10 | 0.1% | TRANSITION TO EMT ABOVE GRADE |
| A14 | GEN-1 | S-ATS | 208 | 1 | 300AL | 300AL | - | EMT | 2 1/2 | 20 | 0.2% | TRANSITION TO EMT ABOVE GRADE |

NOTE: FEEDER LENGTH AND VOLTAGE DROP % SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR SHALL VERIFY FINAL FEEDER LENGTHS AND VOLTAGE DROP ON CALCULATED DEMAND LOADS AS PER 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION SECTION C405.6.3. FEEDER + BRANCH CIRCUIT VOLTAGE DROP SHALL NOT EXCEED 5% TOTAL (2.5% ON FEEDER 2.5% ON BRANCH)

| NUMBER | KVA | PRIMARY | | | SECONDARY | | |
|--------|-------|----------------|---------|-------------|----------------|---------|---------------|
| | | CONDUCTOR - CU | CONDUIT | GROUND - CU | CONDUCTOR - CU | CONDUIT | GROUND - CU |
| 1 | 112.5 | 3#2/0 | 2" | 1#6 | TWO SETS 4#3/0 | 4" | 1#2 IN EACH |
| 2 | 150 | 3#250 | 2-1/2" | 1#4 | TWO SETS 4#350 | TWO 3" | 1#2 IN EACH |
| 3 | 225 | TWO SETS 3#3/0 | TWO 2" | 1#3 IN EACH | TWO SETS 4#600 | TWO 4" | 1#3/0 IN EACH |



- ### GENERATOR RISER NOTES
- PROVIDE NEW GENERATOR AS SHOWN IN THE RISER DIAGRAM. CONTRACTOR TO KEEP AT LEAST 3 FEET CLEARANCE ALL THE WAY AROUND THE GENERATOR EXCEPT THE RADIATOR END WHICH WILL NEED TO BE ROUTED TO AN OPENING IN THE WALL.
 - THE NEW GENERATOR SHALL BE GENERAC SD250 30, 4W 277/480V, 60HZ, 250KW DIESEL GENERATOR. THE GENERATOR SHALL BE PROVIDED WITH ALL NEC CLEARANCES FOR CIRCUIT BREAKERS AND OTHER ELECTRICAL DEVICES, AND PROVIDING ADEQUATE SPACE FOR INTAKE EXHAUST AND COOLING OF THE UNIT. SEE MECHANICAL DRAWINGS FOR FUEL CONNECTION TO THE GENERATOR.
 - PROVIDE NEW DEDICATED LP FUEL TANK FOR 4 HOURS RUN AT FULL LOAD. REFER TO CIVIL PLANS FOR CONNECTION DETAILS AND COORDINATION. FUEL TANK 500 GALLON OR LESS SHALL BE AT LEAST 10 FEET AWAY FROM THE BUILDING. FUEL TANK OVER 500 GALLON AND UNDER 2000 GALLON SHALL BE AT LEAST 25 FEET AWAY FROM THE BUILDING.
 - PROVIDE GENERATOR WITH A FACTORY MOUNTED (1) 3-POLE 60A CIRCUIT BREAKER AND (1) 3-POLE 225A CIRCUIT BREAKER.
 - INSTALL NEW MANUFACTURER PROVIDED CONTROL PANELS, BATTERY CHARGER AND EMERGENCY PUSH BUTTON SWITCH COMPATIBLE WITH THE NEW GENERATOR. INSTALL NEW WIRES AND CONDUIT.
 - CONTRACTOR SHALL PROVIDE CONTROL WIRE AND CONDUIT FROM THE ATS FOR START SIGNAL TO THE GENERATOR.
 - PROVIDE GENERATOR EMERGENCY STOP SWITCH (BREAK GLASS STATION) IN WEATHERPROOF ENCLOSURE. PROVIDE A LABEL ABOVE THE STOP STATION TO READ "GENERATOR EMERGENCY SHUT OFF". INSTALL DEVICE WITH TOP AT 4" ABOVE GRADE. PROVIDE CONDUIT AND WIRING FOR GENERATOR EMERGENCY STOP SWITCH AS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
 - INSTALL GENERATOR CONTROL PANEL WITH TOP AT 5" ABOVE FLOOR. PROVIDE NEW WIRES AND CONDUIT AS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. EMS SHALL MONITOR GENERATOR ANNUNCIATOR PANEL.
 - CONTRACTOR SHALL PROVIDE CONTROL WIRE AND CONDUIT FROM EACH ATS FOR START SIGNAL TO GENERATOR. CONTROL WIRING SHALL BE 2 HOUR FIRE RATED.
 - PROVIDE #2 AWG TO A 10' X 58" GROUND ROD FOR GENERATOR GROUNDING ELECTRODE SYSTEM. CADWELL FINAL CONNECTIONS.

| ATS DESIGNATION | LOAD TYPE | AMPERE RATING | VOLTS | POLES | WITHSTAND RATING | OPTIONS | | | PRIORITY | LOAD SHEDING | REMARKS |
|---------------------|---------------------------|---------------|-------|-------|------------------|-----------------|---------|------------------|----------|--------------|---------|
| | | | | | | TRANSITION TYPE | NEUTRAL | BYPASS ISOLATION | | | |
| S-ATS | Kitchen & Golf Operations | 230A | 480V | 3 | 50KAIC | OPEN | SOLID | NO | NO | | |
| E-ATS | Life Safety | 70A | 480V | 3 | 50KAIC | OPEN | SOLID | NO | 1 | NO | |
| MTS-1 (TEMP-GEN-OC) | Life Safety | 70A | 480V | 3 | 50KAIC | OPEN | SOLID | NO | N/A | N/A | |

CONTACTOR MANUAL TRANSFER SWITCH WITH INTEGRATED PORTABLE GEN QUICK CONNECTS IN ORDER TO MEET NEC 700.3.F. SOLUTION WITH INTERLOCKED BREAKERS NOT ACCEPTABLE. ASCO 5101 ENGINE START SIGNAL MONITORING REQUIRED IN ORDER TO MEET 700.10.D.3

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |

| A/B | | C/D | | E/F | | G/H | | I/J | | K/L | | M/N | | O/P | | Q/R | | S/T | | U/V | | W/X | | Y/Z | |
|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 | 12" | 2#12 |