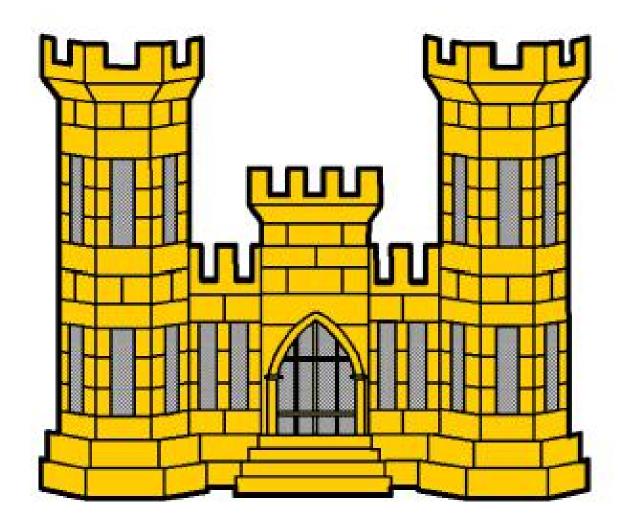
PROPOSED RENOVATIONS/ ALTERATIONS FOR:

STATE OF NEW JERSEY DEPARTMENT OF MILITARY & VETERAN AFFAIRS
CAPE MAY NATIONAL GUARD ARMORY
600 GARDEN STATE PARKWAY, CAPE MAY COURTHOUSE, NJ
PROJECT NO.: CM 002

BID ISSUE AUGUST 25, 2022

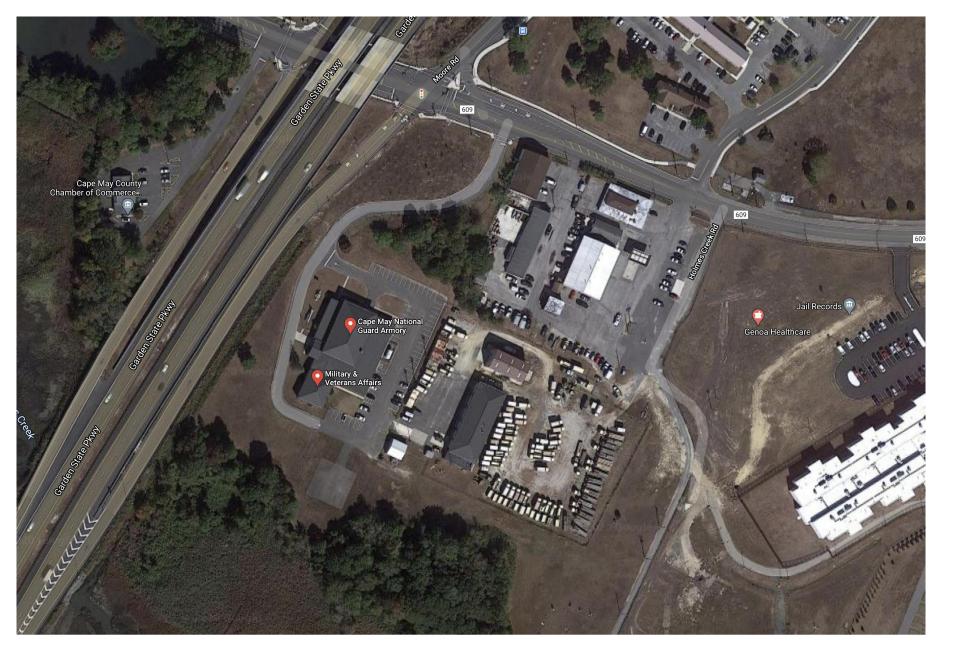
LISA J. HOU, D.O.
BRIGADIER GENERAL
NJARNG
THE ADJUTANT GENERAL



STATE OF NEW JERSEY
DEPARTMENT OF MILITARY AND VETERAN AFFAIRS
MARK RAMOS, PROJECT MANAGER
101 EGGERT CROSSING ROAD
LAWRENCEVILLE, NJ 08648

Copy May Change Control of Contro

AERIAL MAP



BUILDING DATA:

| STATE OF NEW JERSEY |
|--|
| DEPARTMENT OF MILITARY & VETERAN AFFAIRS |
| 101 EGGERT CROSSING ROAD |
| LAWRENCEVILLE, NJ 08625-0340 |
| (609) 530-6939 |
| ☐ CITY/COUNTY ■ STATE ☐ PRIVATE |
| CITY: CAPE MAY COURT HOUSE |
| COUNTY: CAPE MAY |
| CM 005 |
| LATRINE & SHOWER ROOM EXPANSION & UPGRADES |
| 600 GARDEN STATE PARKWAY |
| CAPE MAY COURT HOUSE, NJ 08210 |
| |

BUILDING CODE SUMMARY:

| SCOPE TYPE: | | | ■ RENOVATION (EXIST. BLDG.) |
|--|------------|------------------------|-----------------------------|
| | | ALTERATION | RECONSTRUCTION |
| | | UPLIFT | ☐ AS-BUILT |
| | | | |
| CONSTRUCTION TYPE: | | ☐ IA ☐ IIA ☐ IIIA ☐ IB | ☐ IIB ■ IIIB |
| | | □ IV □ VA □ VB | |
| BUILDING HEIGHT: | | XISTING | |
| NUMBER OF STORIES: | | AISTING | |
| VOLUME: | - | XISTING | |
| VOLONIE. | | MOTINO | |
| BUILDING AREAS: | | | |
| | | | |
| FLOOR 1- FIRST FLOOR | 19 | 9,160 SF | |
| | 19 | 9,160 SF | |
| PRIMARY OCCUPANCY: | 19 | 9,160 SF | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) | 19 | 9,160 SF | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) BUSINESS (B): | 19 | 9,160 SF | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) | 19 | 9,160 SF | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) BUSINESS (B): DEDUCATIONAL (E) | | 9,160 SF | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) BUSINESS (B): EDUCATIONAL (E) FACTORY & INDUSTRIAL (F) | | 9,160 SF | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) BUSINESS (B): EDUCATIONAL (E) FACTORY & INDUSTRIAL (F) HIGH HAZARD (H) | | 9,160 SF | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) BUSINESS (B): EDUCATIONAL (E) FACTORY & INDUSTRIAL (F) HIGH HAZARD (H) INSTITUTIONAL (I) | OPEN ENCLO | | |
| PRIMARY OCCUPANCY: ASSEMBLY (A) BUSINESS (B): EDUCATIONAL (E) FACTORY & INDUSTRIAL (F) HIGH HAZARD (H) INSTITUTIONAL (I) MERCANTILE (M) | | | |

APPLICABLE BUILDING CODES:

INDEX: BUILDING DATA & COVER SHEET

| NJ INTERNATIONAL BUILDING CODE (2018) |
|--|
| NJ UNIFORM CONSTRUCTION CODE (NJAC 5:23) |
| NATIONAL STANDARD PLUMBING CODE (2018) |
| NATIONAL ELECTRIC CODE (2017) |
| INTERNATIONAL MECHANICAL CODE (2018) |
| INTERNATIONAL FUEL GAS CODE (2018) |
| ANSI A117.1-2009 |
| |

UTILITY (U)

ASCE 7-16

3) ACI 318-14

ACI 301-10 (** per AISC360-16)

AISC 360-16**

AISC Steel Construction Manual 14th Edition

(per AISC360-16)

AWS D1.1-2015 (per AISC360-16) & AWS D1.4-2011

DRAWING INDEX:

| D-100 | DEMOLITION PLAN & NOTES | |
|--------|---|--|
| LS-100 | LIFE SAFETY PLAN | |
| A-100 | ARCHITECTURAL & DIMENSION FLOOR PLANS | |
| A-200 | INTERIOR BUILDING ELEVATIONS | |
| A-200 | INTERIOR BUILDING ELEVATIONS | |
| A-500 | SCHEDULES | |
| A-501 | SCHEDULES | |
| A-502 | SCHEDULES | |
| A-700 | FINISH PLANS | |
| A-800 | INTERIOR DETAILS | |
| A-801 | INTERIOR DETAILS | |
| A-900 | REFLECTED CEILING PLAN | |
| | | |
| M-100 | GENERAL NOTES/ SYMBOLS/ ABBREVIATIONS | |
| M-200 | MECHANICAL PLANS/ FORCED AIR | |
| M-201 | MECHANICAL PLANS/ HYDRONIC PIPING MODIFICATIONS | |
| M-300 | MECHANICAL PLANS/ DETAILS | |
| | | |
| P-100 | GENERAL NOTES/ SYMBOLS/ ABBREVIATIONS/SCHEDULES | |
| P-500 | PLUMBING PLANS | |
| P-501 | WATER PIPING PLANS | |
| P-600 | PLUMBING DIAGRAMS | |
| | | |
| E-100 | GENERAL NOTES/ SYMBOLS/ ABBREVIATIONS | |
| E-200 | LIGHTING PLAN & SCHEDULES & DIAGRAMS | |
| E-201 | POWER PLAN | |
| E-300 | SCHEDULES & DIAGRAMS | |
| | | |
| FP-100 | FIRE PROTECTION NOTES/ SYMBOLS/ ABBREVIATIONS | |
| FP-101 | FIRE PROTECTION PLAN | |

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NJ NATIONAL GUARD ARMC

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ISSUE DATE DESCRIPTION

1 8/25/22 BID ISSUE

DRAWING TITLE

COVER SHEET & BUILDING DATA

JOB NO. CM002

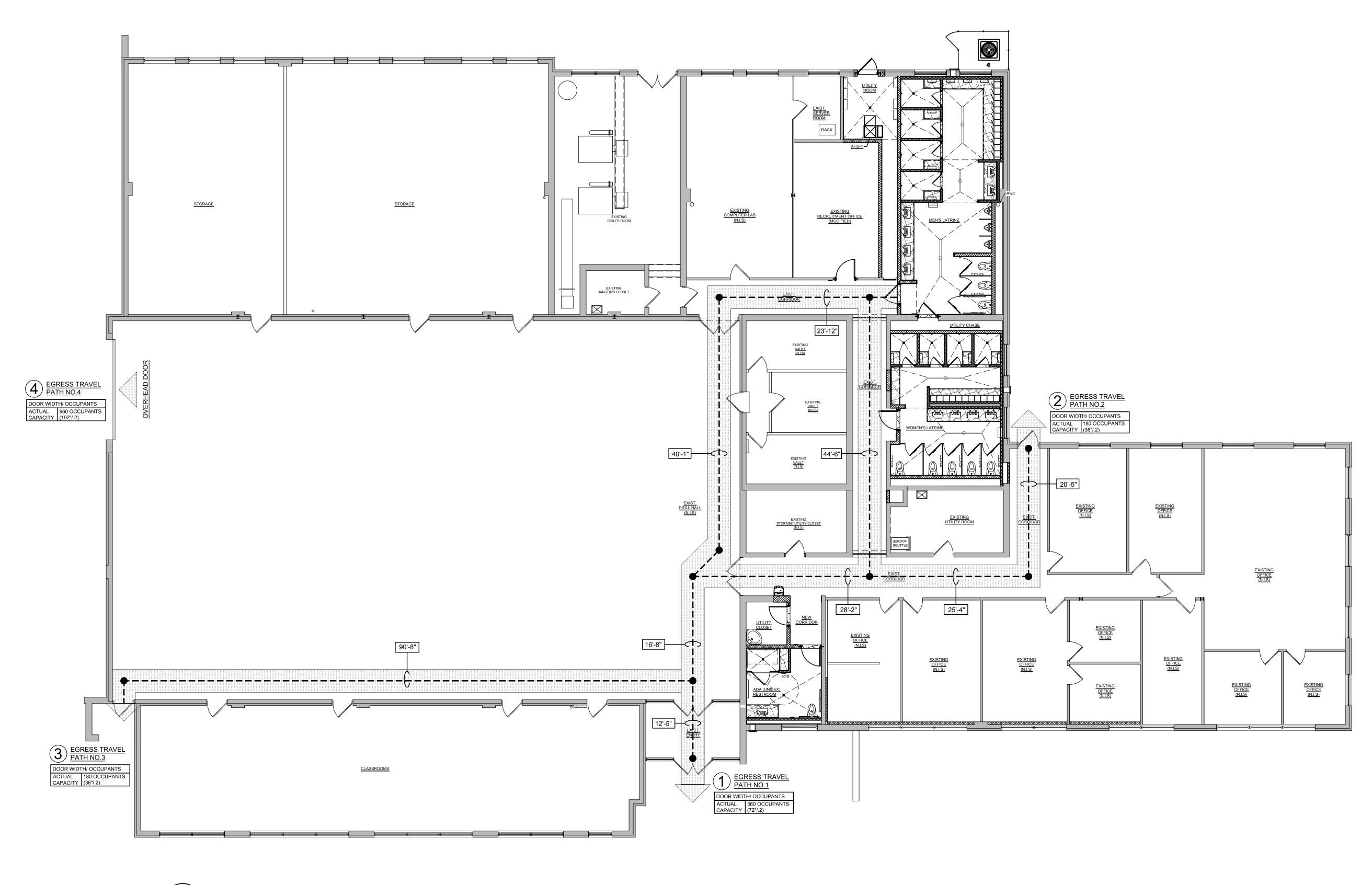
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CHK'D TJD

SCALE AS NOTED

DATE 11/01/2020

C-100



LIFE SAFETY FLOOR PLAN

CAPEMAY ARMORY

| POPULATION: 130 | | | | | | | | | | |
|---|-------------------------|------------------|-----------------|---------------------------|-------------------------|---------------|-------------|---------------|---------------|--------------------------|
| MALE 100 | | | | | | | | | | |
| FEMALE 30 | | | | | | | | | | |
| BUILDING USE | | | | | | |] | | | |
| FUNCTION OF SPACE | SQUARE FOOTAGE | | ANT LOAD | | OCCUPANT LOAD | SUB- TOTAL | | | | |
| ASSEMBLY: STANDING | 6,041 | 5 | (NET) | | 1,208 | 1,208 | 1 | | | |
| ASSEMBLY: CONCENTRATED | 1,585 | 15 | (NET) | | 106 | 1,314 | 1 | | | |
| BUSINESS | 5,805 | 100 | (GROSS) | | 58 | 1,372 | | | | |
| LOCKER ROOMS | 1,841 | 50 | (GROSS) | | 37 | | 1 | | | |
| ACCESSORY STORAGE/ MECH ROOMS | 3,780 | 300 | (GROSS) | | 13 | | 1 | | | |
| ASSEMBLY USE | | | | | | | R | EQUIRE | D WATER C | LOSETS (AS |
| ASSEMBLY | M/F RATIO PERCENTAGE | | CCUPANT CODE | OCCUPANT LOAD / NJ IBC | OCCUPANT LOAD / N.G. | 1 TO 50 | 51 TO 100 | 101 TO 200 | 201 TO 300 | EA ADD'L 300 OVER 300 |
| MALE | 80% | 1 | 214 | 1,051 | 100 | 1 | 1 | 1 | 1 | 1 |
| FEMALE | 20% |] ¹ , | 314 | 263 | 30 | 1 | 1 | 2 | 1 | 1 |
| THE DETERMINATION OF 80:20 RATIO * APPLICABLE PLUMBING CODE IS THE BUSINESS USE | | | | | | | Y THE NJ IB | C 2015 | ABLE OCCUPANO | |
| | M/F RATIO | ΤΟΤΔΙ Ο | CCUPANT | OCCUPANT | OCCUPANT | 1 TO 15 | | 41 TO 75 | | |
| ASSEMBLY | 1171 117110 | וטואני | CCOI AIN | OCCUPANT | OCCOLAIN) | 1 - 10 - 13 | 101040 | 71 10 /3 | LA ADD 1 00 | |

THE DETERMINATION OF 80:20 RATIO BETWEEN MALE AND FEMALE POPULATIONS HAS BEEN INTERPOLATED FROM THE AVERAGE AVAILABLE OCCUPANCIES PROVIDED BY THE SITE ARMORERS

| NATIONAL GUARD PAMPHLET 415-12 (NG 415-12) LAV/ WC | | | | | | | | | | | |
|--|------------|----------|----------|-----|--|-----------------------|----------|----------------|--------------------------|--|--|
| GENDER | # OF USERS | SF/ USER | SUB-TOAL | ADD | | BASIC SF ALLOWANCE | TOTAL SF | EXISTING SF | ADDITIO NAL NEEDED | | |
| MALES | 100 | 10 | 1,000 | + | | 250 | 1,250 | 342.20 | 908 | | |
| FEMALES | 30 | 10 | 300 | + | | 250 | 550 | 310.50 | 240 | | |
| | | | | | | | | | | | |

* APPLICABLE PLUMBING CODE IS THE 2009 EDITION OF THE NATIONAL STANDARD PLUMBING CODE AS ADOPTED BY THE NJ IBC 2015



HATCH PATTERNS

MAIN ACCESSIBLE CIRCULATION AREAS BORDERING DINING AREAS - MUST REMAIN A MINIMUM OF 44" CLR.

NEW WALL

OVER 300

POPULATION
3
2

REQUIRED LAVS (BUSINESS)

1 TO 15 | 16 TO 40 | 41 TO 75 | EA ADD'L 60

POPULATION 3

EXISTING WALL

GENERAL NOTES:

REFER MEP PLANS FOR LOCATIONS OF FIRE ALARM SPEAKERS/ STROBE LOCATION AND MANUAL PULL STATION BOXES.

EXIT LIGHTS ARE SHOWN FOR REFERENCE ONLY: REFER TO MEP PLANS FOR DETAILED LOCATIONS.

250' MAX. TRAVEL DISTANCE NOT EXCEEDED.

MINIMUM WIDTH OF EXIT ACCESS AISLES IS 44" CLEAR.

ALL APPROVED PLANS MUST BE AVAILABLE AT THE CONSTRUCTION SITE FOR INSPECTION/PROCESS.

ALL EXITS ARE TO BE PROVIDED WITH EMERGENCY LIGHTING, REFER MEP PLANS FOR DETAILS.

FOR TOILET ACCESSIBILITY PLANS, REFER TO PLUMBING PLANS

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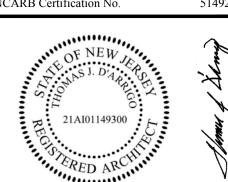


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DRAWING TITLE:

LIFE SAFETY PLAN

JOB NO. CM002 DRN. BY CD CHK'D TJD

SCALE AS NOTED

DATE 11/01/2020

LS-100

HATCH KEY

EXISTING WALLS TO REMAIN

EXISTING WALLS TO BE DEMOLISHED

NEW TEMPORARY WALLS

GENERAL NOTES:

- A. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL WASTE REMOVAL & CONTAINERS (DUMPSTER'S) THROUGHOUT THE CONSTRUCTION PERIOD. ASSIGNED DEMOLITION OF SUB-TRADE WORK DOES NOT REMOVE FINAL RESPONSIBILITY FROM THE G.C.
- ALL MATERIALS SHOWN/ SCHEDULED FOR DEMOLITION SHALL BE REMOVED & DISPOSED OF IN A LEGAL MANNER BY THE G.C.
- C. THE GENERAL CONTRACTOR IS RESPONSIBLE TO PLACE TEMPORARY BARRICADES AND/OR PARTITIONS WHERE DESIGNATED ON PLAN OR AS REQUIRED TO COMPLETE SCOPE OF WORK.
- D. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF A CLEAN WORK SITE THROUGHOUT THE CONSTRUCTION PERIOD. THE PERIMETER GROUNDS SHALL BE MAINTAINED FREE OF DEBRIS AND ATTRACTIVE NUISANCES THROUGHOUT CONSTRUCTION PHASE.
- E. THE PROJECT SITE SHALL BE IN COMPLIANCE WITH ALL CURRENT LOCAL LAWS IN ORDER TO PERMIT DEMOLITION IN ACCORDANCE WITH THIS PLAN.
- F. G.C. IS RESPONSIBLE FOR DESIGN & IMPLEMENTATION OF ALL TEMPORARY SHORING REQUIRED TO COMPLETE WORK AS INDICATED ON DOCUMENTS.
- G. DISRUPTED FIREPROOFING OF BUILDING STRUCTURAL MEMBERS AND/OR ANY DISRUPTED FIRE-STOPPING WITHIN DEMISING WALLS, FLOORS & CEILINGS SHALL BE SUPPLEMENTED AFTER DEMOLITION IN ACCORDANCE w/ ALL CURRENT APPLICABLE BUILDING CODES OR AS INDICATED ON PLANS.
- GENERAL CONTRACTOR TO REMOVE ALL WIRING & CABLING FROM DEMOLISHED PARTITIONS AND CEILING PLENUMS. CIRCUITS NO LONGER IN USE ARE TO BE REMOVED BACK TO THE CIRCUIT PANEL. DATA CABLE NO LONGER PART OF THE BUILDING SYSTEM IS TO BE REMOVED BACK TO DATA CLOSET. TELEPHONE CABLING NO LONGER ACTIVE TO BE REMOVED BACK TO THE PUNCH-DOWN BLOCKS.
- EXISTING FIRE DETECTION & SPRINKLERS TO REMAIN DURING DEMOLITION & CONSTRUCTION PHASES. SPRINKLER HEADS ARE TO BE ADJUSTED AS REQUIRED BY BUILDING/ FIRE CODE BASED ON THE NEW DESIGN.
- J. CONTRACTOR SHALL PAY FOR AN OBTAIN ANY & ALL NECESSARY BUILDING **PERMITS**
- K. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT & ASSESS THE EXISTING CONDITIONS. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION THROUGHOUT THE CONSTRUCTION PROCESS.
- L. ALL EXISTING WORK TO BE REMOVED SHALL BE IN ACCORDANCE WITH THE DOCUMENTS. THE CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DOCUMENTS & FIELD CONDITIONS. CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONCEALED OR HIDDEN CONDITIONS.
- M. ALL BUILDING SYSTEMS MUST BE PROPERLY TERMINATED, CAPPED OR REMOVED. ALL LIFE SAFETY SYSTEMS ARE TO REMAIN ACTIVE & THE SPACE IS TO BE LEFT IN SAFE CONDITIONS.
- N. ALL FLOOR OPENINGS, HAZARDS, AND UNSAFE CONDITIONS ARE TO BE PROTECTED.
- O. ALL DEMOLITION WORK ADJACENT TO REMAINING CONSTRUCTION MUST BE KEPT IN A WORKMAN-LIKE MANNER IN PREPARATION FOR NEW CONSTRUCTION WORK.
- P. ALL FLOOR COVERINGS WITHIN DESIGNATED SPACE ARE TO BE REMOVED DOWN TO EXISTING SLAB.
- Q. COORDINATE DEMOLITION ACTIVITIES WITH FACILITY MANAGER TO AVOID CONFLICT WITH OTHER ACTIVITIES AND OCCUPANTS.
- R. RESTORE ALL SURFACES THAT HAVE BEEN EFFECTED BY DEMOLITION ACTIVITY TO ITS ORIGINAL CONDITION, OR AS OTHERWISE NOTED ON PLAN
- S. DO NOT REMOVE OR MAKE ANY STRUCTURAL ALTERNATIONS WITHOUT OBTAINING DIRECT APPROVAL FROM THE ARCHITECT.

DEMOLITION NOTES:

- 1. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE ARCHITECT IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
- 2. REMOVAL OF EXISTING FIXTURES AND EQUIPMENT WILL REQUIRE ISOLATING THE PIPING RISERS OR MAINS VIA SHUT-OFF VALVES. INSTALL NEW ISOLATION VALVES WHERE REQUIRED FOR COMPLETION OF WORK
- 3. REMOVAL OF EXISTING PLUMBING FIXTURES AND EQUIPMENT, ETC. WILL REQUIRE CAPPING AND SEALING EXISTING MAINS OR BRANCHES AS NECESSARY AND REQUIRED TO ALLOW THE REMAINING SYSTEMS TO FULLY OPERATE WITHOUT DEGRADATION. CONTRACTOR SHALL PROVIDE PROTECTIVE PLASTIC DROP CLOTHS TO PROTECT THE EXISTING OCCUPIED AREAS AND EQUIPMENT FROM DUST AND DEBRIS DURING THE CONSTRUCTION WORK, AND SHALL CLEAN THE AREAS OF ALL CONSTRUCTION DIRT DAILY, AND UPON COMPLETION OF THE WORK. REFER TO GENERAL CONDITIONS AND DIVISION 1 SECTIONS IN THE SPECIFICATIONS.
- 4. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH PROPER FLUID AND PROPERLY VENTED BY THIS CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
- 5. COORDINATE WITH GENERAL CONTRACTOR THE REMOVAL AND REPLACEMENT OF ALL EXISTING CEILINGS, WALLS, ETC. AS REQUIRED FOR MECHANICAL DEMOLITION WORK.
- 6. EXISTING PIPING AND EQUIPMENT, ETC., NOT TO BE UTILIZED IN THE COMPLETED SCOPE SHALL BE DISCONTINUED OR REMOVED AS REQUIRED. ALL ENDS OF DISCONTINUED PIPING SHALL BE CAPPED IN THE NEAREST WALL, CEILING OR FLOOR SO THAT THEY ARE COMPLETELY CONCEALED. OPENINGS LEFT IN WALLS, CEILINGS, ETC., WHERE EQUIPMENT AND PIPE, ETC., ARE REMOVED AND NOT REPLACED, SHALL BE PATCHED NEATLY WITH SIMILAR MATERIAL TO ADJACENT CONSTRUCTION. REFER TO DRAWINGS DELINEATING NEW WORK FOR ADDITIONAL INFORMATION REGARDING SYSTEMS
- 7. EXISTING PIPING, FIXTURES AND EQUIPMENT THAT ARE NOT TO BE REUSED SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE OWNER IF THEY WISH TO RETAIN OWNERSHIP OF SAME. IF NOT, EQUIPMENT SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AS SOON AS PRACTICAL AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS.
- CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION. 9. WHERE EXISTING PIPING AND EQUIPMENT, ETC., THAT ARE TO BE UTILIZED IN THE

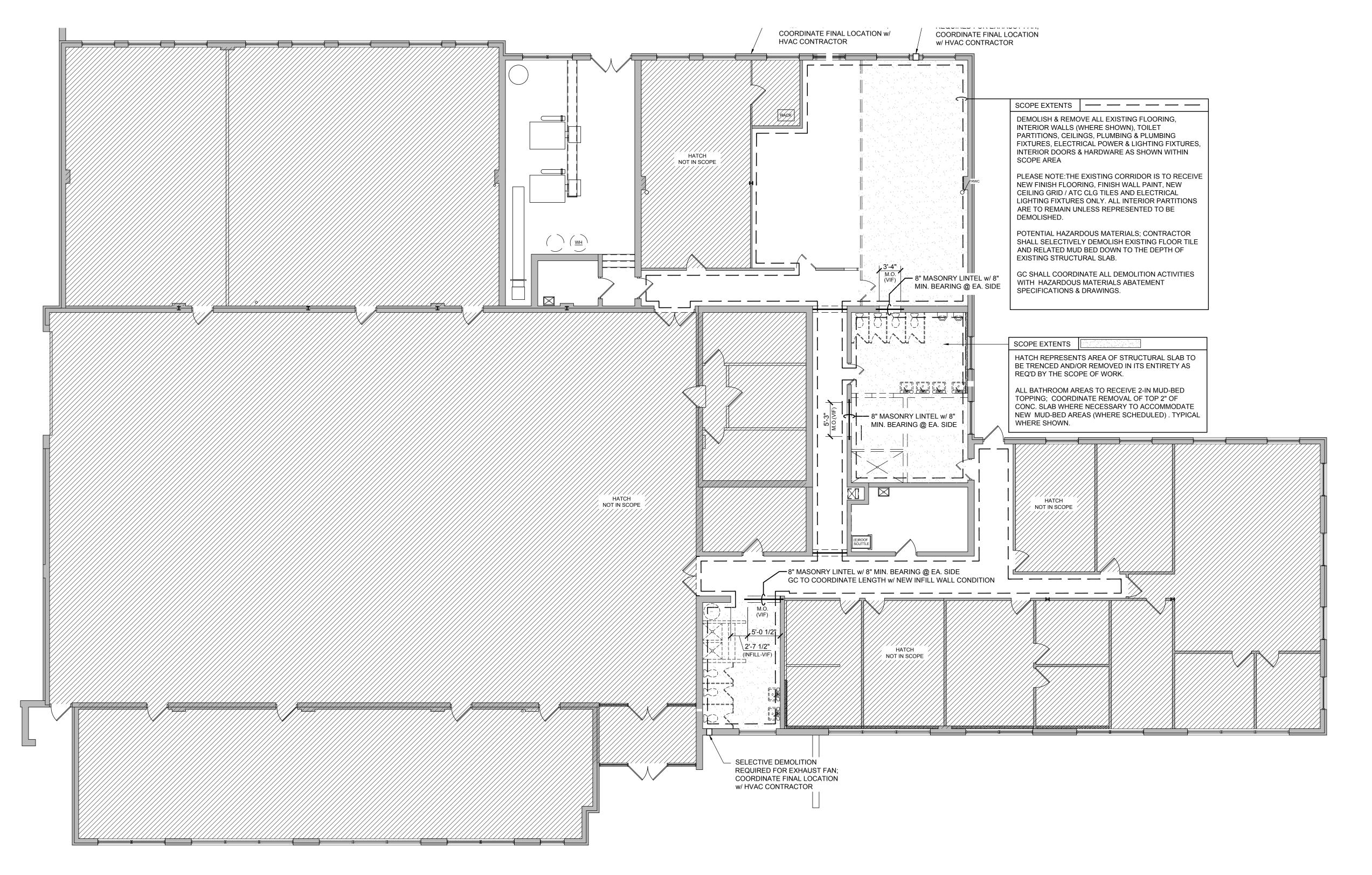
ALL CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THIS

COMPLETED PROGRAM CONFLICT WITH NEW CONSTRUCTION AND THE REQUIRED

NOT BE NECESSARY TO MODIFY OR REVISE THEM. ALL EXISTING SYSTEMS ARE SHOWN BASED ON ORIGINAL OR REMODEL BUILDING DRAWINGS. CONTRACTOR TO VERIFY ALL

- DEMOLITION, THEY SHALL BE RELOCATED AND RECONNECTED TO MAINTAIN THE DESIRED SERVICE. 11. PORTIONS OF EXISTING SYSTEMS MAY BE SHOWN FOR CLARITY EVEN THOUGH IT MAY
- EXISTING CONDITIONS. 12. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING
- ACTIVITIES AS POSSIBLE. 13. ALL ACCESSIBLE ABANDONED PIPING AND DUCTWORK SHALL BE REMOVED AND

PROPERLY DISPOSED OF.



DEMOLITION FLOOR PLAN D-100 | SCALE: 1/8"= 1'-0"

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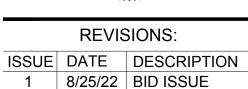
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DRAWING TITLE:

DEMOLITION FLOOR PLANS

JOB NO. CM002 DRN. BY CD CHK'D TJD SCALE AS NOTED DATE 11/01/2020



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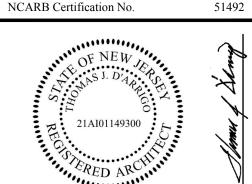
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(NJDAMA)

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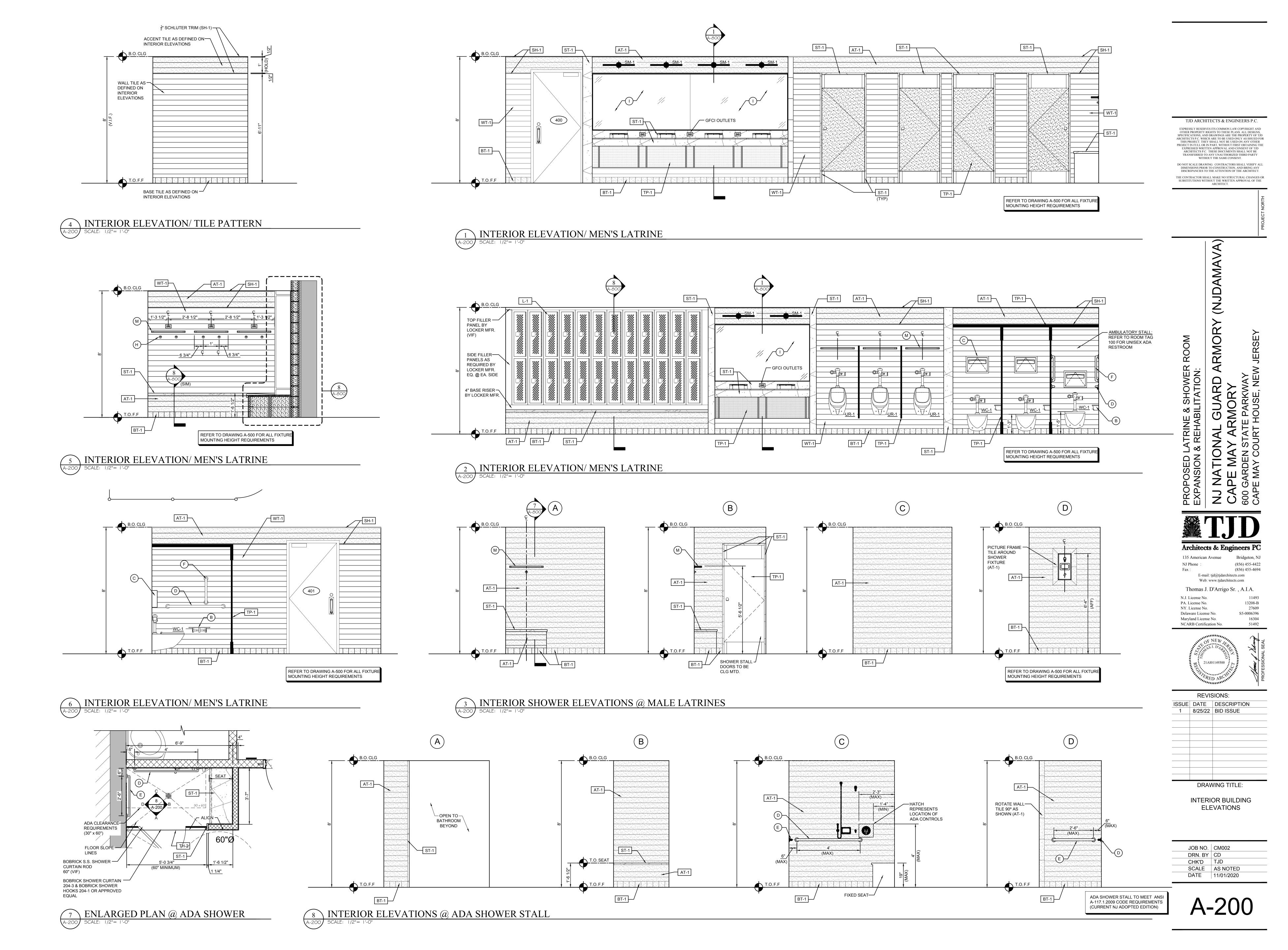
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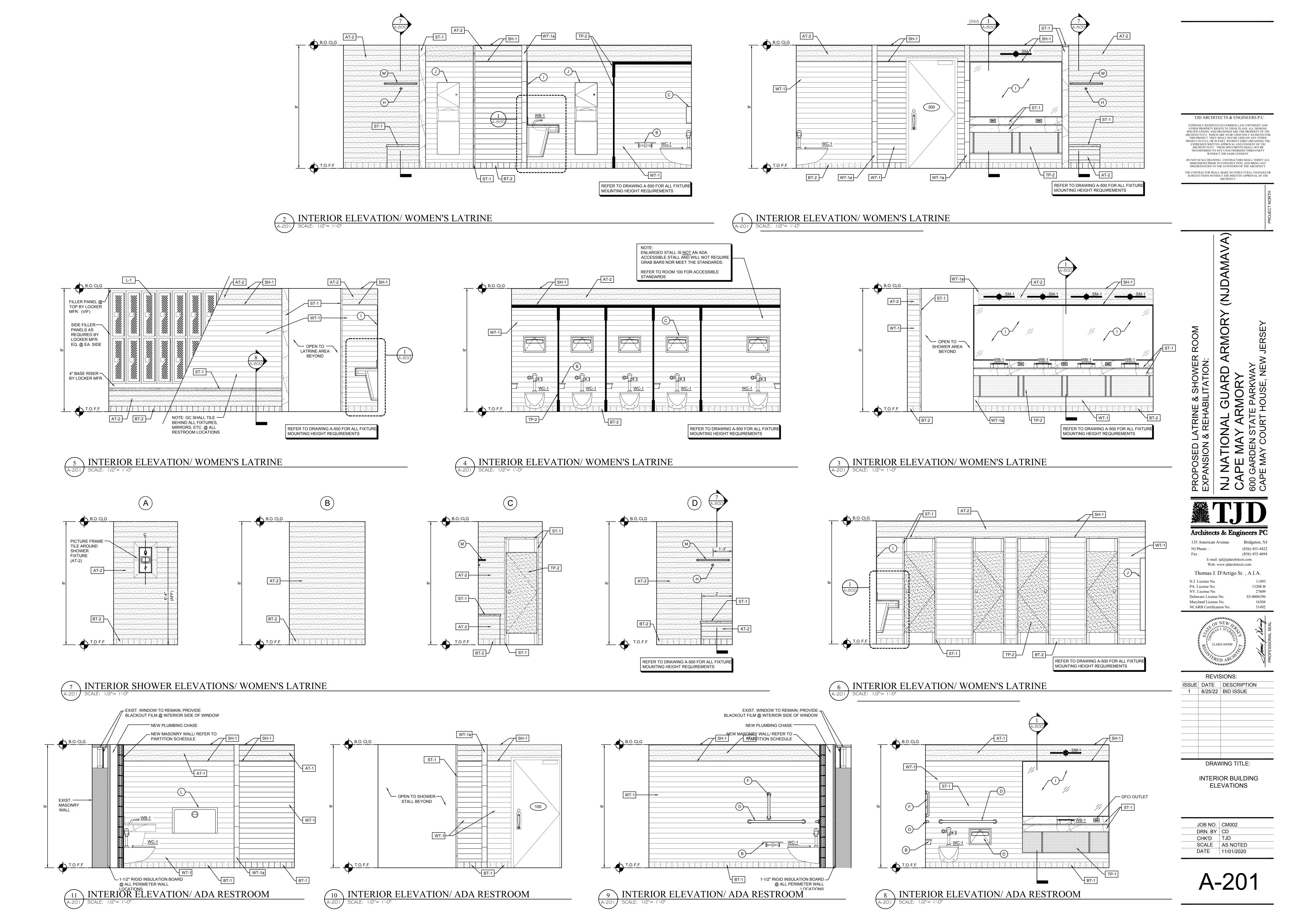
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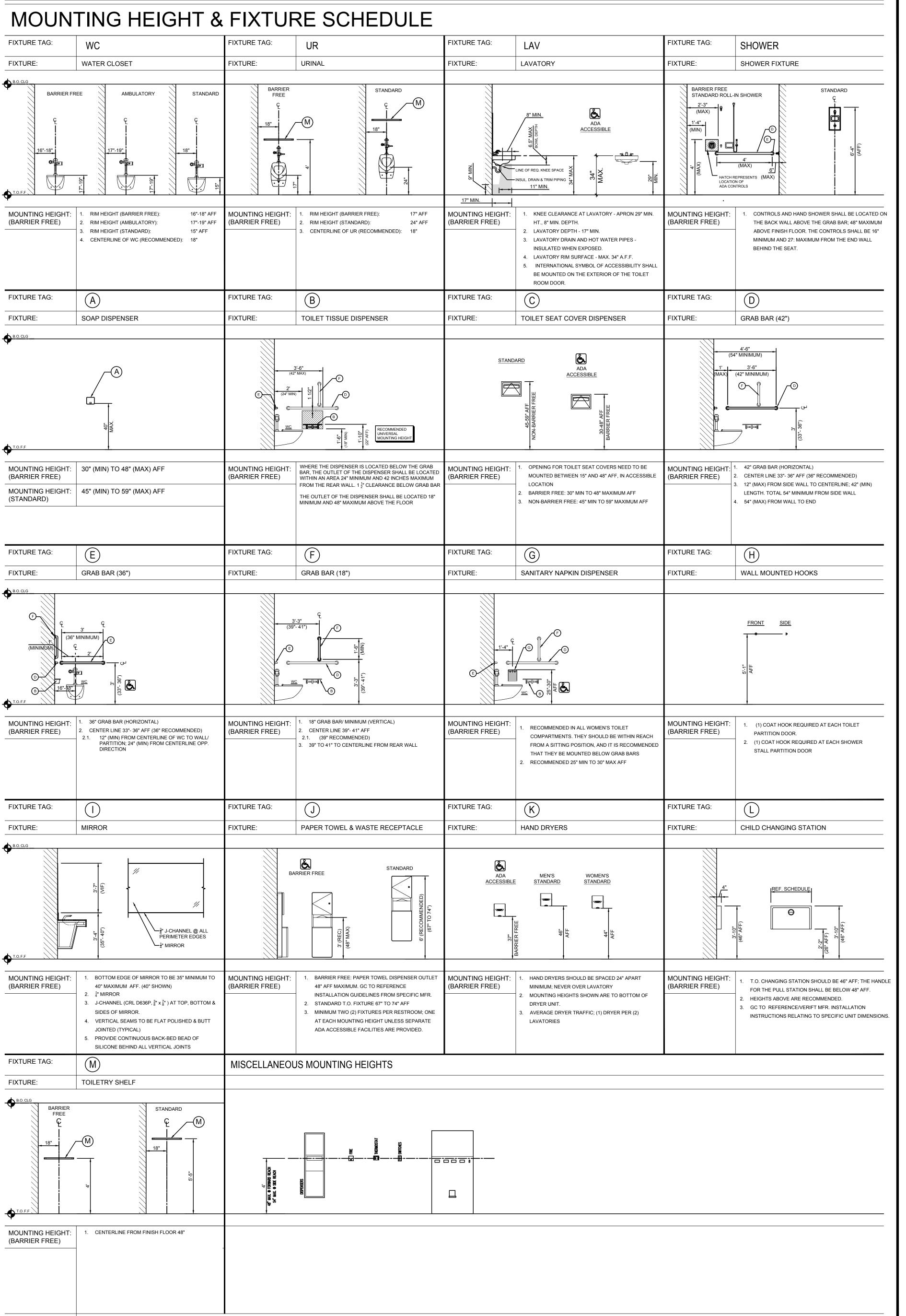
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DATE 11/01/2020



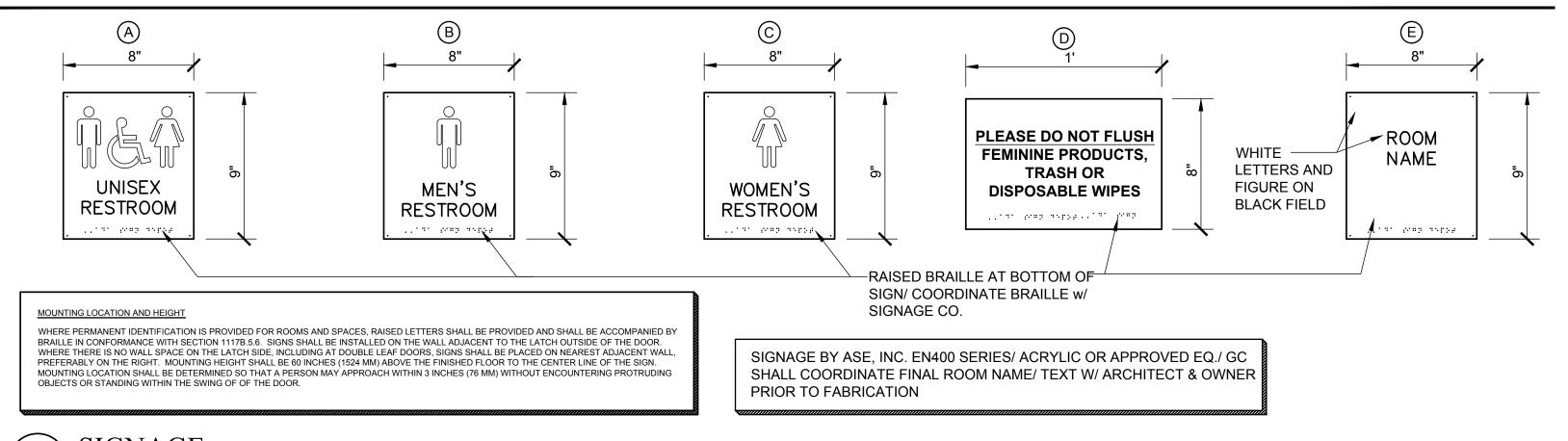




BATHROOM ACCESSORY SCHEDULE

| D | FIXTURE | TYPE | MFR. | MODEL NO |). | REMARKS |
|---------------------|-----------------------------|------------------|------------|---------------|--|---|
| | SOAP DISPENSER | | | SERIES: | | OMIT: SOAP DISPENSER IS PART OF THE WASHBAR (WB-1) |
| $\widehat{\Lambda}$ | SOAF DISFENSER | | | FINISH: | | FIXTURE |
| (A) | | | | MODEL NO.: | | |
| | | | | BARRIER FREE: | | |
| | TOU ET TIONUE DIODENIOED | VAVALL MOUNTED | DODDIOK | SERIES: | TOILET TISSUE DISPENSER WITH UTILITY SHELF | |
| | TOILET TISSUE DISPENSER | WALL MOUNTED | BOBRICK | FINISH: | STAINLESS STEEL SATIN FINISH | |
| B | | | | MODEL NO.: | B-2840 | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| | TOU ET CEAT COVED | | | SERIES: | CLASSIC SERIES SURFACE MT'D SEAT COVER DISPENSER | |
| \overline{a} | TOILET SEAT COVER DISPENSER | WALL MOUNTED | BOBRICK | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| C) | Sier Erreer | | | MODEL NO.: | B-221 | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| | | | | SERIES: | 42 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED | |
| $\overline{}$ | GRAB BAR | WALL MOUNTED | BOBRICK | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| $(D) \mid$ | | | | MODEL NO.: | B-5806 x 42 | |
| _ | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| | | | | SERIES: | 36 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED | |
| $\overline{}$ | GRAB BAR | WALL MOUNTED | BOBRICK | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| E) | | | | MODEL NO.: | B-5806 x 36 | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| | | | | | 18 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED | |
| | GRAB BAR | WALL MOUNTED | BOBRICK | SERIES: | · · | |
| F) | | | | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| | | | | MODEL NO.: | B-5806 x 18 | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| _ | SANITARY NAPKIN DISPOSAL | SAL WALL MOUNTED | BOBRICK | SERIES: | CONTURA SERIES | |
| G | | | | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| | | | | MODEL NO.: | B-270 | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| | COAT HOOK | WALL MOUNTED | BOBRICK | SERIES: | DOUBLE COAT HOOK | |
| H) | | | | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| | | | | MODEL NO.: | B-549 | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| $\overline{}$ | MIRROR | WALL MOUNTED | BOBRICK | SERIES: | NON-SPECIFIC | |
| 1) | | | | FINISH: | STANDARD | |
| | | | | MODEL NO.: | 1/4" MIRROR WITH 3/8" J-CHANNEL @ PERIMETER EDGES | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| $\overline{}$ | PAPER TOWEL & TRASH | WALL MOUNTED | BOBRICK | SERIES: | CONTURA SERIES | |
| J) | DISPENSER | | | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| | | | | MODEL NO.: | B-43949 | |
| | | | | BARRIER FREE: | COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT* | |
| _ | HAND DRYER | | | SERIES: | | OMIT: HARD DRYER IS PART OF THE WASHBAR (WB-1) FIXTUI |
| K) | | | | FINISH: | | TOWNS BIXTERY OF THE WARRIES IX (WE TYPE OF |
| | | | | MODEL NO.: | | |
| | | | | BARRIER FREE: | | |
| | CHILD CHANGING STATION | WALL MOUNTED | BOBRICK/ | SERIES: | HORIZONTAL STAINLESS STEEL WALL MOUNTED CHANGING STATION | <u> </u> |
| | | | KOALA BEAR | FINISH: | STAINLESS STEEL/ SATIN FINISH | |
| | | | | MODEL NO.: | KB110-SSWM | |
| | | | | BARRIER FREE: | | |
| | TOILETRY SHELF | WALL MOUNTED | BOBRICK | SERIES: | STAINLESS STEEL TOILETRY SHELF | |
| \widehat{M} | | | | FINISH: | STAINLESS STEEL | |
| IVI | | | | MODEL NO.: | B-683 x 24 | |
| | | | | BARRIER FREE: | | |

SIGNAGE/ MOUNTING REQUIREMENTS



1 SIGNAGE A-500 SCALE: N.T.S.

SIGNAGE MUST COMPLY WITH THE ICC A117.1-2009 CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES:

703: SIGNS

703.1 GENERAL: Accessible signs shall comply with Section 703. Tactile signs shall contain both raised characters and braille. Where signs with both visual and raised characters are required, either one sign with both visual and raised characters, or two separate signs, one with visual and one with raised characters, shall be provided.

703.1.1 DESIGNATIONS: Interior and exterior signs identifying permanent rooms and spaces shall comply with Sections 703.1,703.2 and 703.3. EXCEPTION, Exterior signs that are not located at the door to the space they serve shall not be required to comply with Section 703.3

703.1.2 DIRECTIONAL AND INFORMATIONAL SIGNS: Signs that provide direction to or information about interior spaces and facilities of the site shall

comply with Section 703.2

703.1.3 PICTOGRAMS: Where pictograms are provided as designations of permanent interior rooms and spaces, the pictograms shall comply with Section 703.5 and shall have text descriptors located directly below the nictogram field and complying with Sections 703.3 and 703.3 EXCEPTION: Pictograms that

703.5 and shall have text descriptors located directly below the pictogram field and complying with Sections 703.2 and 703.3. EXCEPTION: Pictograms that provide information about a room or space, such s "No Smoking", Occupant Logos, and the International Symbol of Accessibility, are not required to have descriptors..

703.2 VISUAL CHARACTERS: Visual characters shall comply with the following:

1) Visual characters that also serve as raised characters shall comply with

2) Visual characters on VMS signage shall omply ith Section 703.7, or

3) Visual characters not covered in items 1 and 2 shall comply with Section 703.2

703 4· BRAILI

703.4: BRAILLE
BRAILLE SHALL BE CONTRACTED (GRADE 2)

BRAILLE SHALL COMPLY W/ SECTION 703.4 OF THE ICC A117.1-2009

BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT.

BRAILLE SHALL BE SEPARATED $\frac{3}{8}$ INCH MINIMUM FROM ANY OTHER RAISED BORDERS AND DECORATIVE ELEMENTS. BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED $\frac{3}{16}$ INCH MINIMUM EITHER DIRECTLY BELOW OR ADJACENT TO THE

CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

BRAILLE SHALL BE 48 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE FINISH FLOOR, MEASURED TO THE BASELINE OF THE BRAILLE CELLS. EXCEPTION: ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 703.4.5

703.5: PICTOGRAMS

703.5.1 GENERAL: Pictograms shall comply with section 703.5

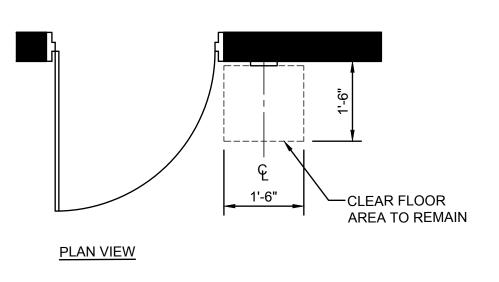
703.5.2 PICTOGRAM FIELD: Pictograms shall have field 6 inches minimum in height. characters or braille shall not be located in the pictogram field.

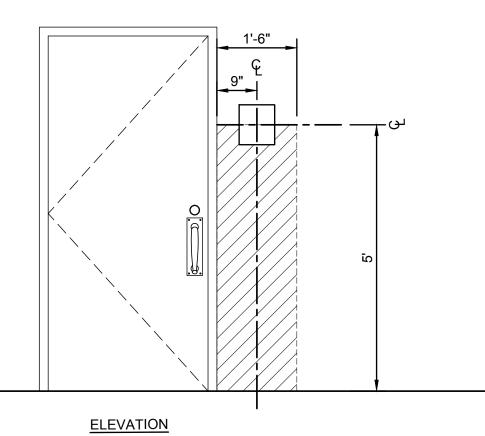
703.5.3 FINISH AND CONTRAST: Pictograms and their fields shall have a non-glare finish. pictograms shall contrast their fields, with either a light pictogram n a dark field or dark pictogram on a light field.

703.6 SYMBOLS OF ACCESSIBILITY:

n a dark field or dark pictogram on a light field. 703.6.3 SYMBOLS: Refer to Section 703.6.3.1, 703.6.3.2, 703.6.3.3 and 703.6.3.4 for required symbols.

MOUNTING HEIGHT REQUIREMENTS





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ARCHITECTS P.C. THESE DOCUMENTS SHALL NOT BE TRANSFERRED TO ANY UNAUTHORIZED THIRD PARTY WITHOUT THE SAME CONSENT.

DO NOT SCALE DRAWING: CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.

THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES OR

THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

[AVA]

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REVISIONS:

ISSUE DATE DESCRIPTION

1 8/25/22 BID ISSUE

DRAWING TITLE:

SCHEDULES

JOB NO. CM002

DRN. BY CD
CHK'D TJD
SCALE AS NOTED
DATE 11/01/2020

| SCH | EDULE: | | | WALL | | | | |
|-------|---|-------|---|---|---|---|-----------------------|--|
| MARK | MATERIAL: | MAN | IUFACTURER: | DESCRIPTION | DN: | | | NOTES: |
| WT-1 | TILE WALL FIELD TILE | DALT | ILE | | ELEVARE GLAZED CERAMIC 4" x 16" SEMI-GLOSS ARTIC WHITE # 0190 STRETCHER COURSE 33% OFF-SET CUSTOM PLOYBLEND NON-BLEACHED WOOD # 545 | TCNA METHOD TR711-19 | | |
| WT-1a | TILE WALL BULLNOSE (16" SIDE) | DALT | ILE | GROUT JOINT: SERIES: SIZE: FINISH: COLOR: PATTERN: | ELEVARE GLAZED CERAMIC 4" x 16" (BULLNOSE 16" SIDE SEMI-GLOSS ARTIC WHITE # 0190 STRETCHER COURSE | TO BE USED AT ALL VERTICAL CORNER CONDITIONS AND INTERIOR JAMBS TCNA METHOD TR711-19 | | |
| | TILE | | | GROUT JOINT: SERIES: | 33% OFF-SET CUSTOM PLOYBLEND NON- BLEACHED WOOD # 545 16" ELEVARE GLAZED CERAMIC | | TIOUS WALL TILE GROUT | TONA METHOD TD744 40 |
| BT-1 | WALL COVE BASE | DALT | ILE | SIZE: FINISH: COLOR: PATTERN: GROUT: GROUT COLOR: GROUT JOINT: | $4\frac{1}{4}$ " x $4\frac{1}{4}$ " SEMI-GLOSS BLACK # K111 STRETCHER COURSE CUSTOM PLOYBLEND NON-CHARCOAL # 60 | -SANDED CEMENTII | TIOUS WALL TILE GROUT | TCNA METHOD TR711-19 |
| BT-2 | TILE WALL COVE BASE | DALT | ILE | SERIES: SIZE: FINISH: COLOR: PATTERN: GROUT: GROUT COLOR: GROUT JOINT: | ELEVARE GLAZED CERAMIO 4 ¼" x 4 ¼" SEMI-GLOSS ARCHITECTURAL GRAY # 0 STRETCHER COURSE CUSTOM PLOYBLEND NON- CHARCOAL # 60 | 109 | TIOUS WALL TILE GROUT | TCNA METHOD TR711-19 |
| AT-1 | TILE WALL ACCENT | DALT | ILE | SERIES: SIZE: FINISH: COLOR: PATTERN: GROUT: | ELEVARE GLAZED CERAMIC 4" x 16" SEMI-GLOSS BLACK STRETCHER COURSE 33% OFF-SET CUSTOM PLOYBLEND NON-CHARCOAL #60 | | TIOUS WALL TILE GROUT | TCNA METHOD TR711-19 |
| AT-2 | TILE WALL ACCENT | DALT | ILE | GROUT JOINT: SERIES: SIZE: FINISH: COLOR: PATTERN: GROUT: | ELEVARE GLAZED CERAMIC 4" x 16" SEMI-GLOSS ARCHITECTURAL GRAY # 0' STRETCHER COURSE 33% OFF-SET CUSTOM PLOYBLEND NON-BLEACHED WOOD # 545 | 109 | TIOUS WALL TILE GROUT | TCNA METHOD TR711-19 |
| CT-1 | TILE WALL CEILING (SHOWERS) | DALT | ILE | SERIES: SIZE: FINISH: COLOR: PATTERN: GROUT: | ELEVARE GLAZED CERAMIC 3" x 6" SEMI-GLOSS ARTIC WHITE #0190 STRETCHER COURSE 33% OFF-SET CUSTOM PLOYBLEND NON-BLEACHED WOOD # 545 | | OUS WALL TILE GROUT | TCNA METHOD TR711-19 |
| SCH | EDULE: | | | CEILI | NG | | | |
| MARK: | MATERIAL: | | MFR.: | DESCRIPTION | | SIZE | COLOR | NOTES |
| GWB-1 | GYPSUM CEILING SYS SUSPENSION SYSTEM | | ARMSTRONG DRYWALL GRID SYSTEM (DGS) | QUICKSTIX SOFF (CHICAGO CEILIN • ½" PURPLE N | WALLBOARD BY NATIONAL IOISTURE, MOLD & MILDEW | | | SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 15 " SUSPENSION SYSTEM OR APPROVED E.Q |
| CB-2 | GYPSUM CEILING SYS SUSPENSION SYSTEM | | ARMSTRONG DRYWALL GRID SYSTEM (DGS) | QUICKSTIX SOFF (CHICAGO CEILIN • ½" CEMENT ALL TILE CE • REFER TO | ALL GRID SYSTEM & ITS OR APPROVED EQ. G) BOARD WALL BOARD FOR EILING LOCATIONS. FILE SCHEDULE FOR SPECIFICATION | | | SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 15 " SUSPENSION SYSTEM OR APPROVED E.Q |
| ATC-1 | ACOUSTIC TILE CEILIN SUSPENSION SYSTEM | | ARMSTRONG CEILINGS | TYPE: CERAMAGI LAY-IN/ FIN * HumiGuard I | E TEXTURE | 2'-0" x 2'-0" x $\frac{5}{8}$ " | WHITE | SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 15" SUSPENSION SYSTEM OR APPROVED EQ. |
| ATC-2 | ACOUSTIC TILE CEILING SUSPENSION SYSTEM | | ARMSTRONG CEILINGS | TYPE: CERAMAGI LAY-IN/ FIN * HumiGuard I | E TEXTURE | SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 15" SUSPENSION SYSTEM OR APPROVED EQ. | | |
| SCH | EDULE: | | | FLOO | RING | | | |
| MARK | MATERIAL: | MAN | UFACTURER: | DESCRIPTION | | | | NOTES: |
| FT-1 | TILE FLOOR TILE | DALTI | LE | SERIES: SIZE: FINISH: COLOR: PATTERN: | KEYSTONES COLORBODY F 2" x 2" HEXAGONAL TILE MATTE ARTIC WHITE (# D617) BLACK (# D311) HEXAGON DK16 (STANDARI | | S | TCNA F114-17 (SLABS ON GRADE) TCNA F122A-17 (SLABS ABOVE GRADE) |
| | TILE | DALTI | LE | GROUT: GROUT COLOR: GROUT JOINT: SERIES: | LATICRETE SPECTRALOCK STERLING SILVER # 78 SHEET TILE/ STANDARD | PRO-PREMIUM EPO | | TCNA F114-17 |
| FT-2 | FLOOR TILE | | | SIZE: FINISH: COLOR: PATTERN: GROUT: | 2" x 2" HEXAGONAL TILE ARTIC WHITE (# D617) ARCHITECTURAL GRAY (MA HEXAGON DK16 (STANDARI LATICRETE SPECTRALOCK | D/STOCK PATTERN) | VV ELOOP CROUT | (SLABS ON GRADE) TCNA F122A-17 (SLABS ABOVE GRADE) |
| | | | | GROUT COLOR: | STERLING SILVER # 78 SHEET TILE/ STANDARD QUARRY TILE | INLIVITORI EPU | | TCNA F114-17 |
| FT-3 | TILE FLOOR TILE | DALTI | LE | SIZE: FINISH: COLOR: PATTERN: GROUT: | 6" x 6" ABRASIVE RED BLAZE (# 0Q4O) SQUARE (STANDARD PATTI LATICRETE SPECTRALOCK | | XY FLOOR GROUT | TCNA F114-17 (SLABS ON GRADE) TCNA F122A-17 (SLABS ABOVE GRADE) |
| | VINYL COMPOSITE | ARMS | TRONG | | STERLING SILVER # 78 3" JOINT (QUARRY TILE ONL STANDARD EXCELON IMPE | | | |
| VCT-1 | FLOOR TILE | AKWO | THONG | SIZE: FLOOR SEALER: | 12" x 12" ARMSTRONG S-495 COMME APPLY MINIMUM (2) TWO CO ARMSTRONG S-480 COMME APPLY MINIMUM (2) TWO CO | ERCIAL FLOOR SEAL DATS ERCIAL FLOOR POLIS | | SH |
| SCH | EDULE: | _ | | WALL | BASE | | | |
| MARK | MATERIAL: | | UFACTURER: | DESCRIPTIO | | | | NOTES: |
| BT-1 | TILE WALL COVE BASE | DALTI | | GROUT JOINT: | | TCNA METHOD TR711-19 | | |
| BT-2 | TILE WALL COVE BASE | DALTI | LE | SERIES: SIZE: FINISH: COLOR: GROUT: GROUT COLOR: GROUT JOINT: | ELEVARE GLAZED CERAMIC $4\frac{1}{4}$ " x $4\frac{1}{4}$ " SEMI-GLOSS BLACK # K111 CUSTOM PLOYBLEND NON-ARCHITECTURAL GRAY $\frac{1}{16}$ " | | TIOUS WALL TILE GROUT | TCNA METHOD TR711-19 |
| BT-3 | TILE WALL COVE BASE | DALTI | LE | SERIES: SIZE: FINISH: COLOR: GROUT: GROUT COLOR: GROUT JOINT: | QUARRY TILE/ COVE BASE $5 \times 6 \times \frac{1}{2}$ " MATTE RED BLAZE CUSTOM PLOYBLEND NON- CHARCOAL # 60 | -SANDED CEMENTII | TIOUS WALL TILE GROUT | TCNA METHOD TR711-19 |
| BT-4 | VINYL COMPOSITE FLOOR COVE BASE | ARMS | TRONG | SERIES: COLOR: SIZE: | STANDARD EXCELON IMPE BLACK 6" | RIAL TEXTURE | | |
| | | | | | | | | |

| MARK | DESCRIPTION | SPECIFICATION | | | | |
|---------|---|-----------------------|--|--|--|--|
| | CMU- EPOXY FILLER | MANUFACTURER | SHERWIN WILLIAMS | | | |
| PR-1 | (AT ALL NEW CMU WALLS) | SERIES | B42W400/B42V401 | | | |
| | | TYPE | KEM CATI-COAT HS EPOXY FILLER/ SEALER | | | |
| | | FINISH | BLOCK FILLER (WET AREAS) | | | |
| | | COLOR CODE | | | | |
| | | COLOR NAME | | | | |
| PR-1.1 | CMU- PRIMER | MANUFACTURER | SHERWIN WILLIAMS | | | |
| | (AT ALL NEW CMU WALLS) | SERIES | B58-620/ B58V620 MACROPOXY 646-100 FAST CURE EPOXY | | | |
| | | TYPE | PRIMER (WET AREAS) | | | |
| | | COLOR CODE | | | | |
| | | COLOR NAME | | | | |
| PR-2 | GYPSUM BOARD | MANUFACTURER | SHERWIN WILLIAMS | | | |
| PR-2 | PRIMER | SERIES | B28W2600 | | | |
| | | TYPE | PRO MAR 200 ZERO VOC LATEX PRIMER | | | |
| | | FINISH | PRIMER | | | |
| | | COLOR CODE COLOR NAME | | | | |
| | GYPSUM BOARD | MANUFACTURER | SHERWIN WILLIAMS | | | |
| PR-2.1 | PRIMER | SERIES | B28W2600 | | | |
| | | TYPE | PRO MAR 200 ZERO VOC LATEX PRIMER | | | |
| | | FINISH | PRIMER | | | |
| | | COLOR CODE | | | | |
| | | COLOR NAME | | | | |
| PNT-1 | GYPSUM BOARD- | MANUFACTURER | SHERWIN WILLIAMS | | | |
| | CEILINGS AND SOFFITS | SERIES | B30-2600 | | | |
| | | TYPE | PRO MAR 200 ZERO VOC INTERIOR LATEX FLAT | | | |
| | | COLOR CODE | SW7757 | | | |
| | | COLOR NAME | HIGH REFLECTIVE WHITE | | | |
| PNT-2 | CMU- FIELD | MANUFACTURER | SHERWIN WILLIAMS | | | |
| PINI-Z | | SERIES | | | | |
| | | TYPE | | | | |
| | | FINISH | TBD | | | |
| | | COLOR CODE COLOR NAME | TBD TBD | | | |
| | CMU- FIELD | MANUFACTURER | SHERWIN WILLIAMS | | | |
| PNT-3 | CIVIO- FIELD | SERIES | | | | |
| | | TYPE | | | | |
| | | FINISH | TBD | | | |
| | | COLOR CODE | TBD | | | |
| | | COLOR NAME | TBD | | | |
| PNT-6 | NON-FERROUS METAL- GALVANIZED/ | MANUFACTURER | SHERWIN WILLIAMS | | | |
| | ALUMINUM SURFACES | SERIES TYPE | B66-310 PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIME | | | |
| | PRIMER | FINISH | PRIMER | | | |
| | LIMINELX | COLOR CODE | | | | |
| | | COLOR NAME | | | | |
| PNT-7 | NON-FERROUS METAL- | MANUFACTURER | SHERWIN WILLIAMS | | | |
| . 141-1 | GALVANIZED/ ALUMINUM SURFACES | SERIES | B66-650 | | | |
| | ALGIVITIVOIVI GUNEAGES | TYPE | PRO INDUSTRIAL ACRYLIC | | | |
| | ALUMINUM FRAMES | FINISH COLOR CODE | SEMI-GLOSS | | | |
| | | COLOR CODE COLOR NAME | BLACK | | | |
| | NON-FERROUS METAL- | MANUFACTURER | SHERWIN WILLIAMS | | | |
| PNT-8 | GALVANIZED/ | SERIES | B66-650 | | | |
| | ALUMINUM SURFACES | TYPE | PRO INDUSTRIAL ACRYLIC | | | |
| | ALUMINUM DOORS | FINISH | SEMI-GLOSS | | | |
| | | COLOR CODE | | | | |
| ı | | COLOR NAME | BLACK | | | |
| RE | FER TO SPECIFICATI | ON MANUAL: | | | | |
| 1. | ALL SURFACES SCHEDU AND TWO (2) FINISH COA | LED FOR PAINTING | S SHALL RECEIVE ONE (1) COAT OF PRIMER FIED PAINT LED (STORED) AND APPLIED IN STRICT | | | |

SCHEDULE: FIXTURES & FURNISHINGS

PRODUCTS OR | HEIGHT:

SCRANTON

PRODUCTS OR

SCREENS & SHOWER | APPROVED EQ. | COLOR:

SCREENS & SHOWER | APPROVED EQ. | COLOR:

MANUFACT. DESCRIPTION

ALL TOILET PARTITIONS/ DOORS SHALL BE FLOOR MOUNTED & BRACED AS REQUIRED.

ALL PARTITION SCREENS & DOORS AT SHOWER STALL SHALL BE CEILING MOUNTED

ALL DOORS AND FRAMES THAT ARE NOT SPECIFICALLY SPECIFIED AS FACTORY

APPROVED EQ.

TOILET PARTITIONS &

STALL DOORS

DOORS, URINAL

STALL DOORS

MARK MATERIAL

TP-1 DOORS, URINAL

SPECIFIED IN NOTE NO. 5 ABOVE.

TOILET PARTITIONS & SCRANTON

LATEX "FLAT" PPROMAR 200; SERIES B30W-200 BY SHERWIN WILLIAMS OR APPROVED EQ. ALL WOOD AND POLYMER TRIMS CASINGS & BASE MOLDINGS TO BE FINISH PAINTED WITH LATEX LOW SHEEN ES ENAMEL B20W1200 BY SHERWIN WILLIAMS OR

FINISHED SHALL BE PROVIDED WITH A PRIME COAT AND TWO FINISH COATS OF PAINT

SERIES:

HEIGHT:

ALL ADA COMPLAINT STALLS AND AMBULATORY STALLS SHALL RECEIVE THE APPLICABLE H.C.

SIGNAGE & BRAIL REQUIREMENTS TO MEET LOCAL CODE. GC SHALL BE RESPONSIBLE TO

METALLIC COLOR COLLECTION:

METALLIC COLOR COLLECTION:

CLASS B/ STAINLESS

CLASS B/ BRONZE

ECLIPSE II

| | SUPPLY & INSTALL ALL | | | GC SHALL BE RESPONSIBLE TO |
|------|-----------------------|---|--|--|
| L-1 | LOCKERS | SCRANTON PRODUCTS OR APPROVED EQ. | SERIES: SIZE: STYLE: TOP: LOCK: NUMBERING: | TUFFTEC LOCKERS/ CLASSIC COLLECTION 12" x 12" x 72" FULL LATTICE MESH TOP TWO-TIER LOCKER COMBO w/ 4" HIGH BLACK BASE FLAT TOP PAD LOCK START AT 1 |
| SCH | IEDULE: | MISCE | LLANE | OUS |
| MARK | MATERIAL | MANUFACT. | DESCRIPTI | ON |
| SH-1 | WALL TRIM ALUMINUM | SCHLUTER | SERIES: SIZE: MATERIAL: FINISH: | QUADEC # Q100ACG 1" ANODIZED ALUMINUM POLISHED CHROME (Q100ACG) |
| ST-1 | STONE QUARTZ | CAMBRIA | COLOR: THICKNESS: | WEYBOURNE 1 ½" |
| TH-1 | | | | |
| TH-2 | THRESHOLD ALUMNIUM | SCHLUTER | SERIES: MATERIAL: FINISH: | SCHIENE ALUMINUM ALUMINUM |

FINISH SCHEDULE

| | MADK | ROOM ID | FLO | OR | WALL | | CEIL | ING | DEMARKS | |
|---|------|-----------------------|------|-------|----------|------|----------|--------|----------------------------|--|
| _ | MARK | WARK ROOM ID | | BASE | MATERIAL | BASE | MATERIAL | HEIGHT | REMARKS | |
| _ | 100 | ADA RESTROOM (UNISEX) | TILE | TILE | TILE | TILE | GWB-1 | 8'-0" | COORDINATE W/ FINISH PLANS | |
| _ | 200 | UTILITY CLOSET | TILE | TILE | PNT | PNT | | | | |
| _ | 300 | WOMEN'S LATRINE | TILE | TILE | TILE | TILE | GWB-1 | 8'-0" | | |
| _ | 301 | UTILITY CHASE | | | | | | | | |
| _ | 400 | MEN'S LATRINE | TILE | TILE | TILE | TILE | GWB-1 | 8'-0" | | |
| _ | 500 | UTILITY CHASE | | | | | | | | |
| _ | 600 | LOUNGE (RELOCATED) | VCT | VINYL | PNT | PNT | ATC-2 | 8'-0" | | |
| _ | 700 | EXISTING CORRIDOR | VCT | VINYL | PNT | PNT | ATC-2 | 8'-0" | | |
| _ | 800 | EXISTING CORRIDOR | VCT | VINYL | PNT | PNT | ATC-2 | 8'-0" | | |
| _ | 900 | EXISTING CORRIDOR | VCT | VINYL | PNT | PNT | ATC-2 | 8'-0" | • | |

DOOR SCHEDULE

| MARK | LOCATION | UNIT | DOOR | DO | OR | FRA | AME | RATING | HDWR HEADING | JAMB DETAIL |
|--------|------------------------|----------------------|------|----------|------------------|-----------------|------------------|---------|--------------------|----------------|
| IVIARN | LOCATION | DIMENSION (W x H) | TYPE | MATERIAL | FINISH | MATERIAL | FINISH | 1011110 | TIB WICTIE/IBII VO | O/ WID DET/ WE |
| 100 | ADA RESTROOM UNISEX | 3'-0" x 7'-0" | Α | H.M. | PNT- 6 PNT- 8 | WELDED 16 GA | PNT- 6 PNT- 7 | N/A | SET #1 | A-800/ 10A |
| 200 | UTILITY ROOM | 3'-0" x 7'-0" | Α | H.M. | PNT- 6 PNT- 8 | WELDED 16 GA | PNT- 6 PNT- 7 | N/A | SET #2 | A-800/ 10B |
| 300 | WOMEN'S LATRINE | 3'-0" x 7'-0" | А | H.M. | PNT- 6 PNT- 8 | WELDED 16 GA | PNT- 6 PNT- 7 | N/A | SET #3 | A-800/ 10A |
| 400 | MEN'S LATRINE | 3'-0" x 7'-0" | А | H.M. | PNT- 6 PNT- 8 | WELDED 16 GA | PNT- 6 PNT- 7 | N/A | SET #3 | A-800/ 10A |
| 401 | MEN'S LATRINE | 3'-0" x 7'-0" | А | H.M. | PNT- 6 PNT- 8 | WELDED 16 GA | PNT- 6 PNT- 7 | N/A | SET #5 | A-800/ 10A |
| 500 | UTILITY CHASE | 3'-0" x 7'-0" | В | H.M. | PNT- 6 PNT- 8 | WELDED 16 GA | PNT- 6 PNT- 7 | N/A | SET #4 | |
| 600 | LOUNGE | 3'-0" x 7'-0" | А | H.M. | PNT- 6 PNT- 8 | WELDED 16 GA | PNT- 6 PNT- 7 | N/A | SET #6 | A-800/ 10B |

1. G.C. SHALL VERIFY ALL FRAME & DOOR SIZES IN FIELD WITH EXISTING CONDITIONS PRIOR TO ORDERING/ FABRICATION
2. GC SHALL BE RESPONSIBLE FOR ANY/ ALL MODIFICATIONS TO EXISTING DOOR OPENINGS THAT ARE SCHEDULED FOR NEW DOORS AND FRAMES. THIS SHALL INCLUDE ANY ADDITIONAL CUTTING OR INFILL OF MASONRY OR STUD CONSTRUCTION AS NECESSARY TO LOCATE NEW DOORS AND FRAMES AS DEFINED ON THE PLANS

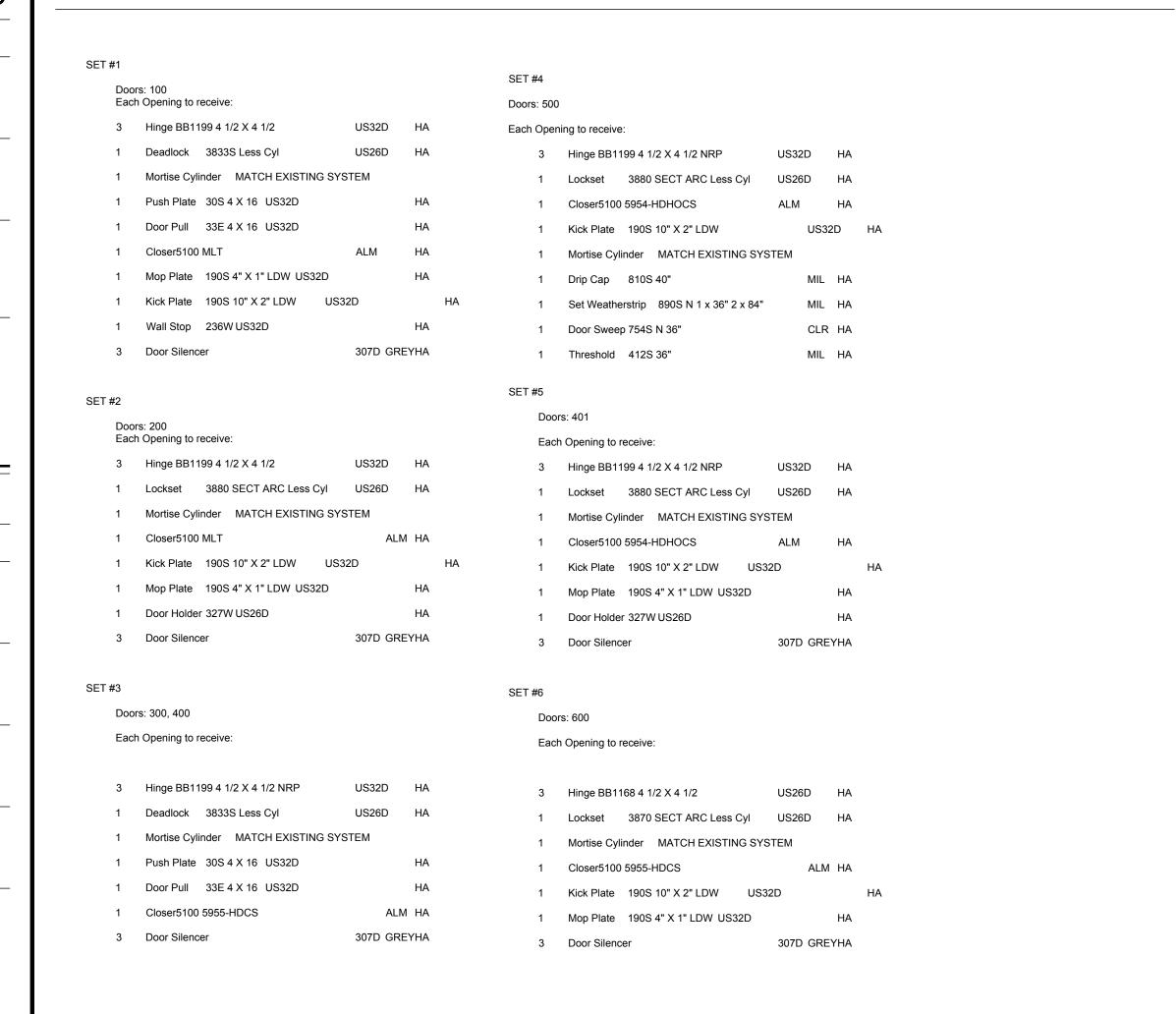
| FRAM | E TYPES | DOOF | RTYPES | | |
|---------------|--|---------------------------------|---|---------------------------------|--|
| T.O. F.F. | REF. SCHEDULE 2" 2" 2" 2" 2" 2" 2" 2" 2" 2 | AUTOMATIC CLOSER (SHOWN DOTTED) | 3'-4" (PNT-6) (PNT-7) (PNT-8) REFER TO HARDWARE SCHEDULE | AUTOMATIC CLOSER (SHOWN DOTTED) | FACTORY FINISHED/ COLOR SELECTED BY OWNER FACTORY FINISHED/ COLOR SELECTED BY OWNER REFER TO HARDWARE SCHEDULE |
| DOOR TYPE: | 1 | DOOR TYPE: | A | DOOR TYPE: | B |
| APPLICATION: | INTERIOR | APPLICATION: | INTERIOR | APPLICATION: | EXTERIOR |
| MANUFACTURER: | | MANUFACTURER: | PIONEER | MANUFACTURER: | TIGER DOOR OR APPROVED EQUAL |
| SERIES: | | SERIES: | HEAVY DUTY/ CH SERIES | SERIES: | EXTREME DUTY HURRICANE SERIES |
| TYPE: | FULLY WELDED METAL FRAME | CORE TYPE: | HONEYCOMB | | IMPACT RATED/LARGE MISSILE |
| GAUGE: | 16 GAUGE | GAUGE: | 18 GAGE/ STANDARD | CORE TYPE: | POLYPROPYLENE HONEYCOMB |
| STYLE: | | STYLE: | FLUSH (F) | STYLE: | FLUSH PANEL |
| FINISH: | PNT-6 / PNT-7 | FINISH: | PNT-6 / PNT-8 | FINISH: | FIBERGLASS REINFORCED POLYMER (FRP) |

FIRE RATED: N/A

FIRE RATED: N/A

HARDWARE SCHEDULE

FIRE RATED: N/A



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Architects & Engineers PC

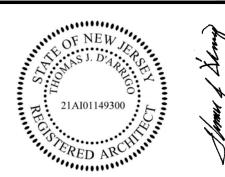
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NJ Phone: (856) 455-4422
Fax: (856) 455-4694
E-mail: tjd@tjdarchitects.com
Web: www.tjdarchitects.com

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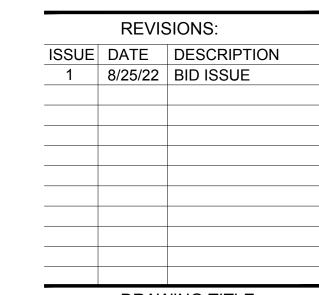
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51492



DRAWING TITLE:

SCHEDULES

JOB NO. CM002

DRN. BY CD

CHK'D TJD

SCALE AS NOTED

DATE 11/01/2020

PARTITION TYPES INSULATION DETAIL (PLAN VIEW) TAG RATING WALL DESCRIPTION NO RATING EXISTING MASONRY WALL W/ GLAZED TERRACOTTA INTERIOR WYTHE: INTERIOR TILE APPLICATION: THICK SET/ MUD-BED**** CERAMIC TILE _____ EXISTING GLAZED TERRACOTTA WYTHE TO REMAIN LEVELING MORTAR BED TCNA METHOD W201-17 MBP MULTI-SURFACE BONDING PRIMER (LIQUID APPLIED) OVER NEW MASONRY BLOCK WALLS) LIQUID WP MEMBRANE ----(CBP- OR APPROVED EQ.) RED GARD LIQUID APPLIED WATERPROOFING/ CRACK ISOLATION (FLOORS & WALLS) (CBP- OR APPROVED EQ.) MECHANICALLY FASTENED METAL LATHE OVER EXIST. TERRACOTTA WYTHE 3" LEVELING MORTAR BED CERAMIC WALL TILE 1/8" GROUT LINE NO RATING | EXISTING PERIMETER WALL W/ BRICK VENEER EXTERIOR & NEW AS NOTED INTERIOR CMU FURRING : TCNA METHOD TR711-19 VERSA BOND LFT MORTAR (BOND COAT FOR WALL TILE) (CBP- OR APPROVED EQ.) INTERIOR TILE APPLICATION: THIN SET/ MUD-BED 1½" EXTRUDED POLYSTYRENE FOAM BOARD INSULATION R 7.5 OR APP. EQ. $1\frac{1}{2}$ " EXTRUDED POLYSTYRENE FOAM BOARD INSULATION 4" MASONRY CMU TCNA METHOD TR711-19 MBP MULTI-SURFACE BONDING PRIMER (LIQUID APPLIED) OVER EXISTING TILE AND NEW MASONRY BLOCK WALLS) (CBP- OR APPROVED EQ.) RED GARD LIQUID APPLIED WATERPROOFING/ CRACK ISOLATION (FLOORS & WALLS) (CBP- OR APPROVED EQ.) VERSA BOND LFT MORTAR (BOND COAT FOR WALL TILE) (CBP- OR APPROVED EQ.) GROUTS, POLYBLEND AND OR PRISM MEETING ANSI 118.6/ANSI 118.7 (WALLS) (CBP- OR APPROVED EQ.) CERAMIC WALL TILE AS SCHEDULED/ REFER TO FINISH SCHEDULE FOR SPECIFICATION EXISTING PERIMETER WALL w/ BRICK VENEER EXTERIOR & NEW AS NOTED SCHEDULED CERAMIC TILE/ REF. SCHEDULE INTERIOR CMU FURRING TCNA METHOD TR711-19 (LIQUID APPLIED) OVER EXISTING TILE NEW MASONRY BLOCK WALLS) INTERIOR TILE APPLICATION: THIN SET/ MUD-BED RED GARD LIQUID APPLIED WATERPROOFING/ CRACK ISOLATION (FLOORS & WALLS) $1\frac{1}{2}$ " EXTRUDED POLYSTYRENE FOAM BOARD INSULATION 6" MASONRY CMU TCNA METHOD TR711-19 MBP MULTI-SURFACE BONDING PRIMER (LIQUID APPLIED) OVER EXISTING TILE AND NEW MASONRY BLOCK WALLS) (CBP- OR APPROVED EQ.) RED GARD LIQUID APPLIED WATERPROOFING/ CRACK ISOLATION (FLOORS & WALLS) (CBP- OR APPROVED EQ.) VERSA BOND LFT MORTAR (BOND COAT FOR WALL TILE) (CBP- OR APPROVED EQ.) GROUTS, POLYBLEND AND OR PRISM MEETING ANSI 118.6/ANSI 118.7 (WALLS) (CBP- OR APPROVED EQ.) CERAMIC WALL TILE AS SCHEDULED/ REFER TO FINISH SCHEDULE FOR NEW INTERIOR MASONRY BLOCK WALL (6"): TCNA METHOD TR711-19 MBP MULTI-SURFACE BONDING PRIMER (LIQUID APPLIED) OVER EXISTING TILE / NEW MASONRY BLOCK WALLS) VERSA BOND LFT MORTAR (BOND COAT FOR WALL TILE) (CBP- OR APPROVED EQ.) INTERIOR TILE APPLICATION: THIN SET 6" MASONRY BLOCK/CMU RED GARD LIQUID APPLIED WATERPROOFING/ CRACK ISOLATION (FLOORS & WALLS) TCNA METHOD TR711-19 MBP MULTI-SURFACE BONDING PRIMER (LIQUID APPLIED) OVER EXISTING TILE AND NEW MASONRY BLOCK WALLS) (CBP- OR APPROVED EQ.) RED GARD LIQUID APPLIED WATERPROOFING/ CRACK ISOLATION (FLOORS & WALLS) (CBP- OR VERSA BOND LFT MORTAR (BOND COAT FOR WALL TILE) (CBP- OR APPROVED EQ.) GROUTS, POLYBLEND AND OR PRISM MEETING ANSI 118.6/ANSI 118.7 (WALLS) EPRESENTS TILE APPLICATION AT EACH SIDE ON NEW MASONRY W. REPRESENTS NO TILE CERAMIC WALL TILE AS SCHEDULED/ REFER TO FINISH SCHEDULE FOR SPECIFICATION NEW INTERIOR MASONRY BLOCK WALL (4"): TCNA METHOD TR711-19 INTERIOR TILE APPLICATION: THIN SET MBP MULTI-SURFACE BONDING PRIMER-(LIQUID APPLIED) OVER EXISTING TILE / NEW MASONRY BLOCK WALLS) 4" MASONRY BLOCK/CMU TCNA METHOD TR711-19 MBP MULTI-SURFACE BONDING PRIMER (LIQUID APPLIED) OVER EXISTING TILE AND NEW MASONRY BLOCK WALLS) (CBP- OR APPROVED EQ.) RED GARD LIQUID APPLIED WATERPROOFING/ CRACK ISOLATION (FLOORS & WALLS) (CBP- OR APPROVED EQ.) VERSA BOND LFT MORTAR (BOND COAT FOR WALL TILE) (CBP- OR APPROVED EQ.) GROUTS, POLYBLEND AND OR PRISM MEETING ANSI 118.6/ANSI 118.7 (WALLS) (CBP- OR APPROVED EQ.) (*) REPRESENTS TILE APPLICATION AT EACH SIDE ON NEW MASONRY WAL ***) REPRESENTS NO TILE

CERAMIC WALL TILE AS SCHEDULED/ REFER TO FINISH SCHEDULE FOR SPECIFICATION

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AL GUARD ARMORY (NJDAMA)
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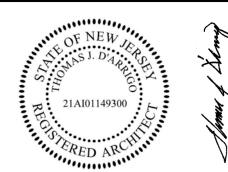
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ISSUE DATE DESCRIPTION

1 8/25/22 BID ISSUE

DRAWING TITLE:

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SCHEDULES

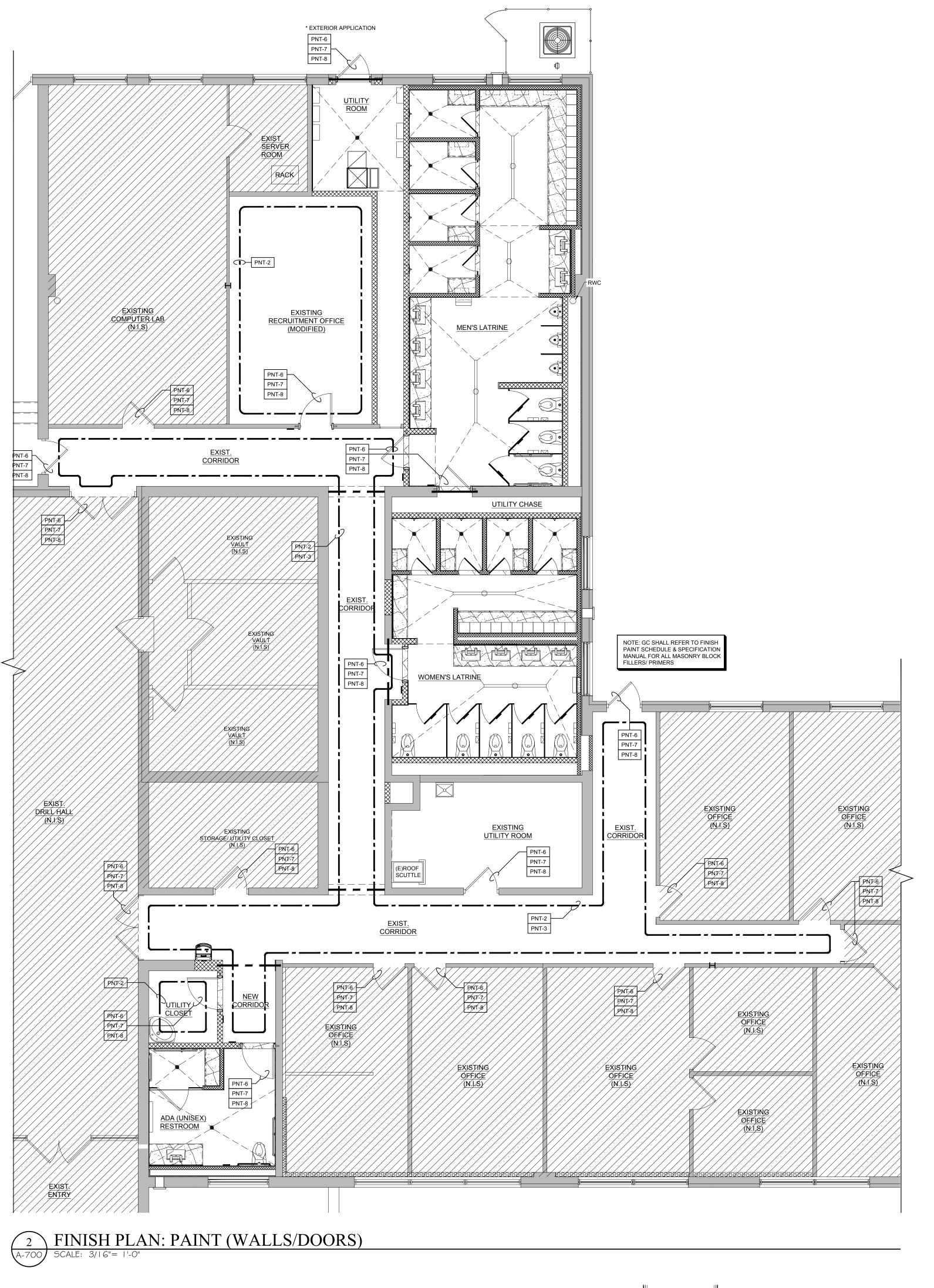
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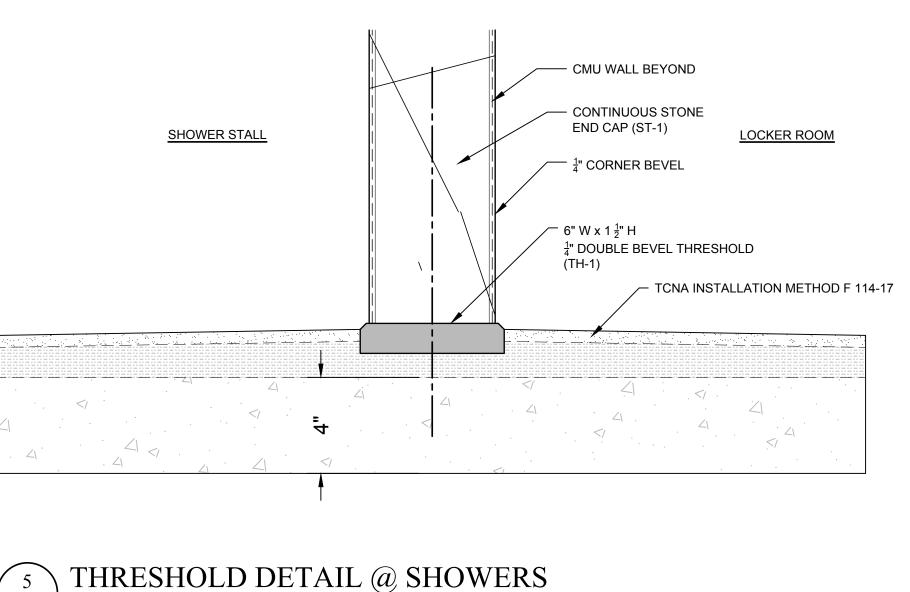
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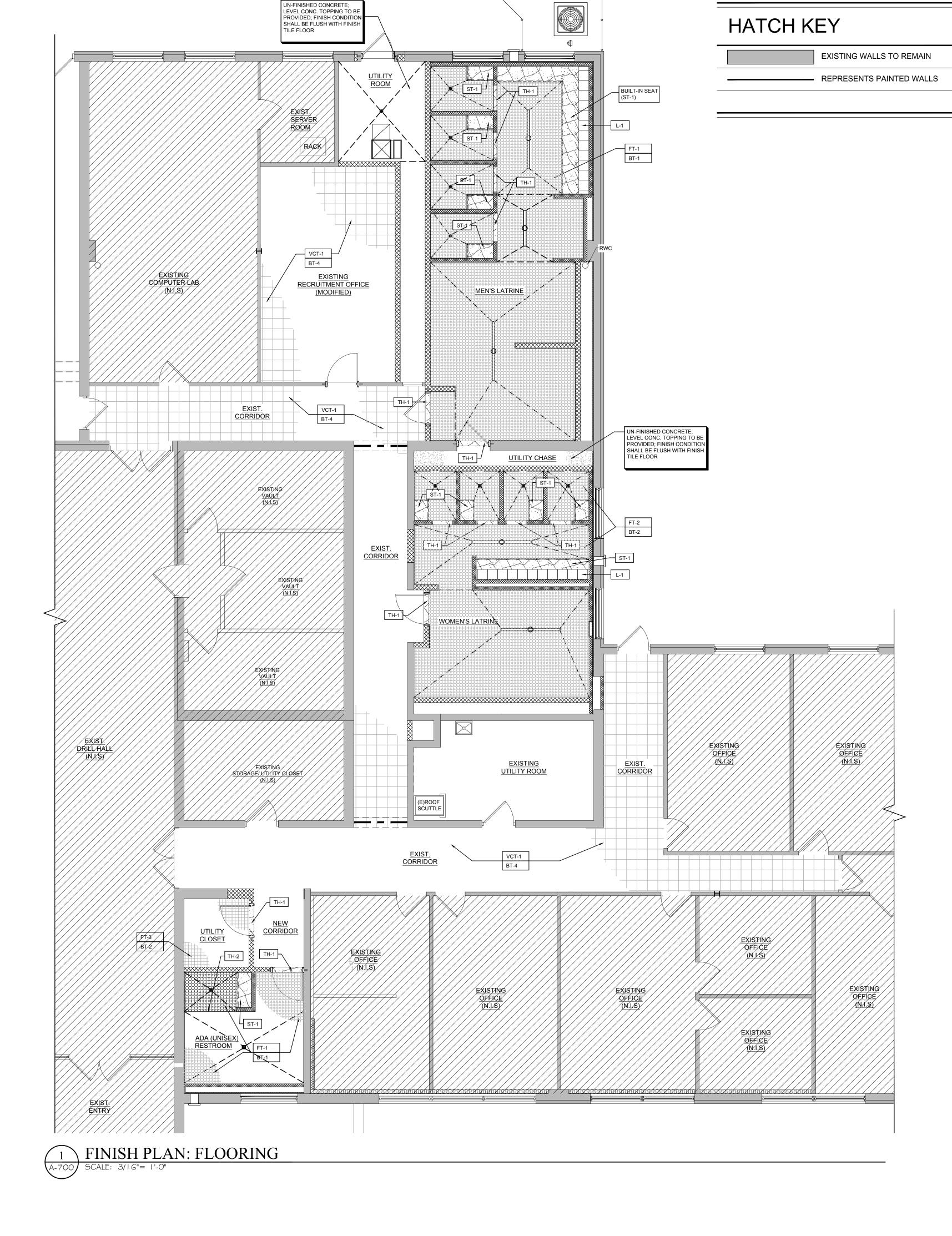
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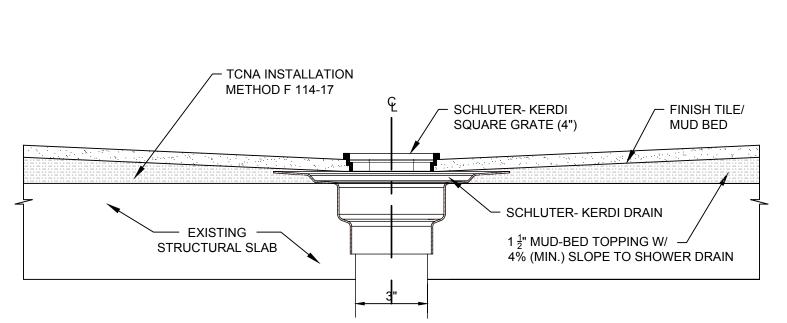
DATE 11/01/2020



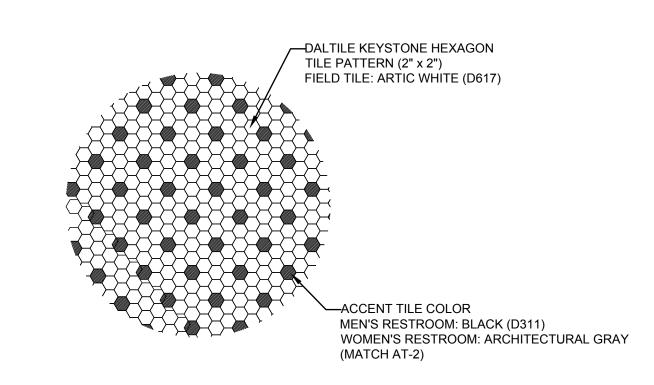
A-700) SCALE: 3"= 1'-0"













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RY (NJDAMAVA)

J NATIONAL GUARD ARMORY (NAPE MAY ARMORY



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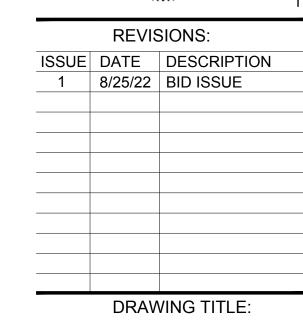
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FINISH PAINT PLAN

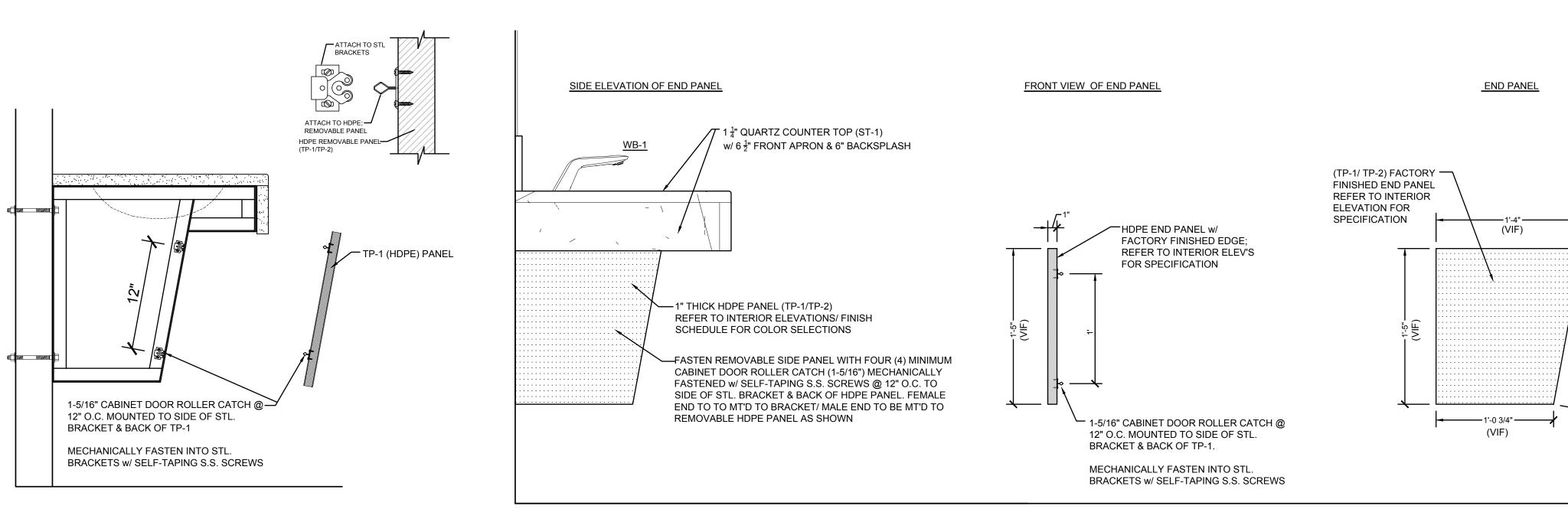
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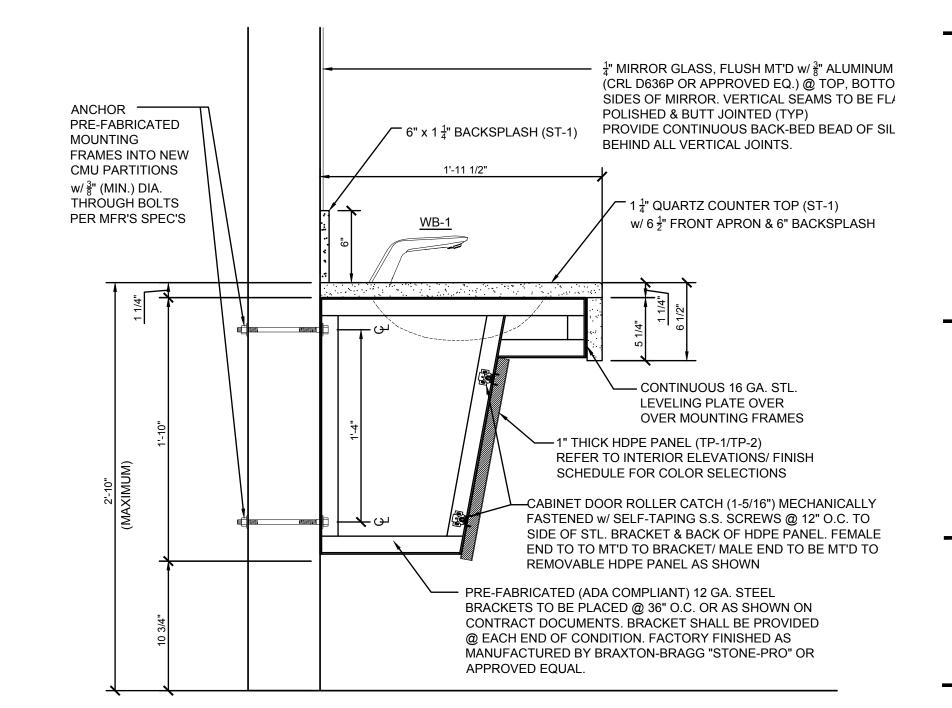
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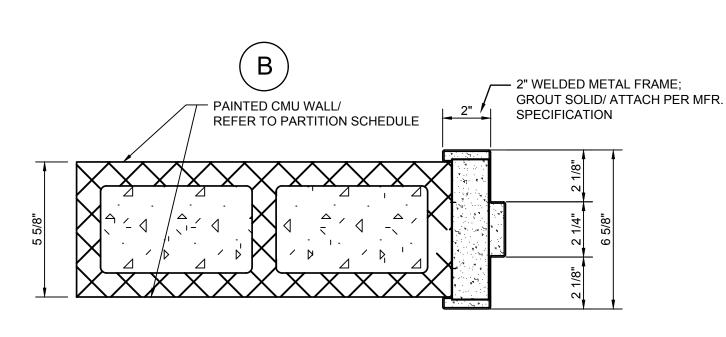
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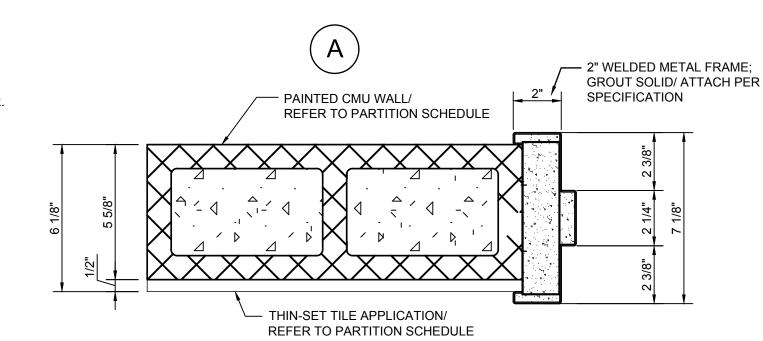
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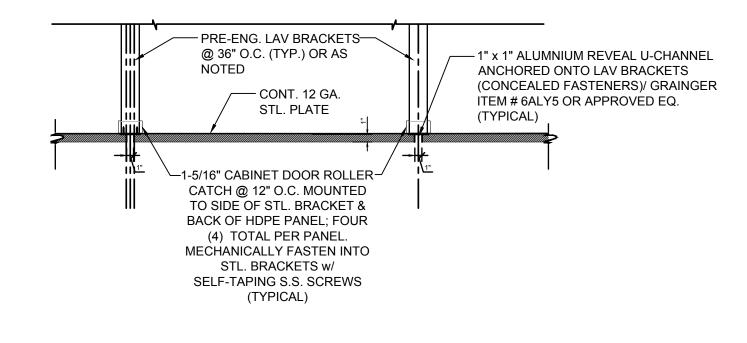
ARCHITECT.

3 LAV PANEL CONNECTION (TYPICAL) A-800) SCALE: |-|/2"= |'-0"

DETAIL @ SIDE END PANEL OF LAVATORY COUNTER (TYPICAL)







MIRROR $(\frac{1}{4}")$

SCHEDULE

COUNTER -

APRON

REFER TO FIXTURE

COUNTER ———

BACKSPLASH (ST-1)

O.H. 1/2" –

TP-1/ FACTORY 1"-J

FINISHED END

PANEL

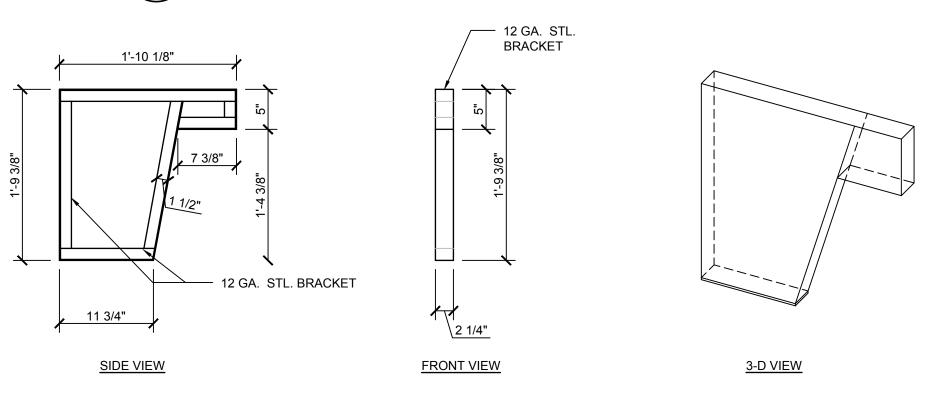
1" x 1" ALUMN.

U-CHANNEL @ END

PANEL/ GRAINGER

ITEM # 6ALY5 OR

APPROVED EQ.

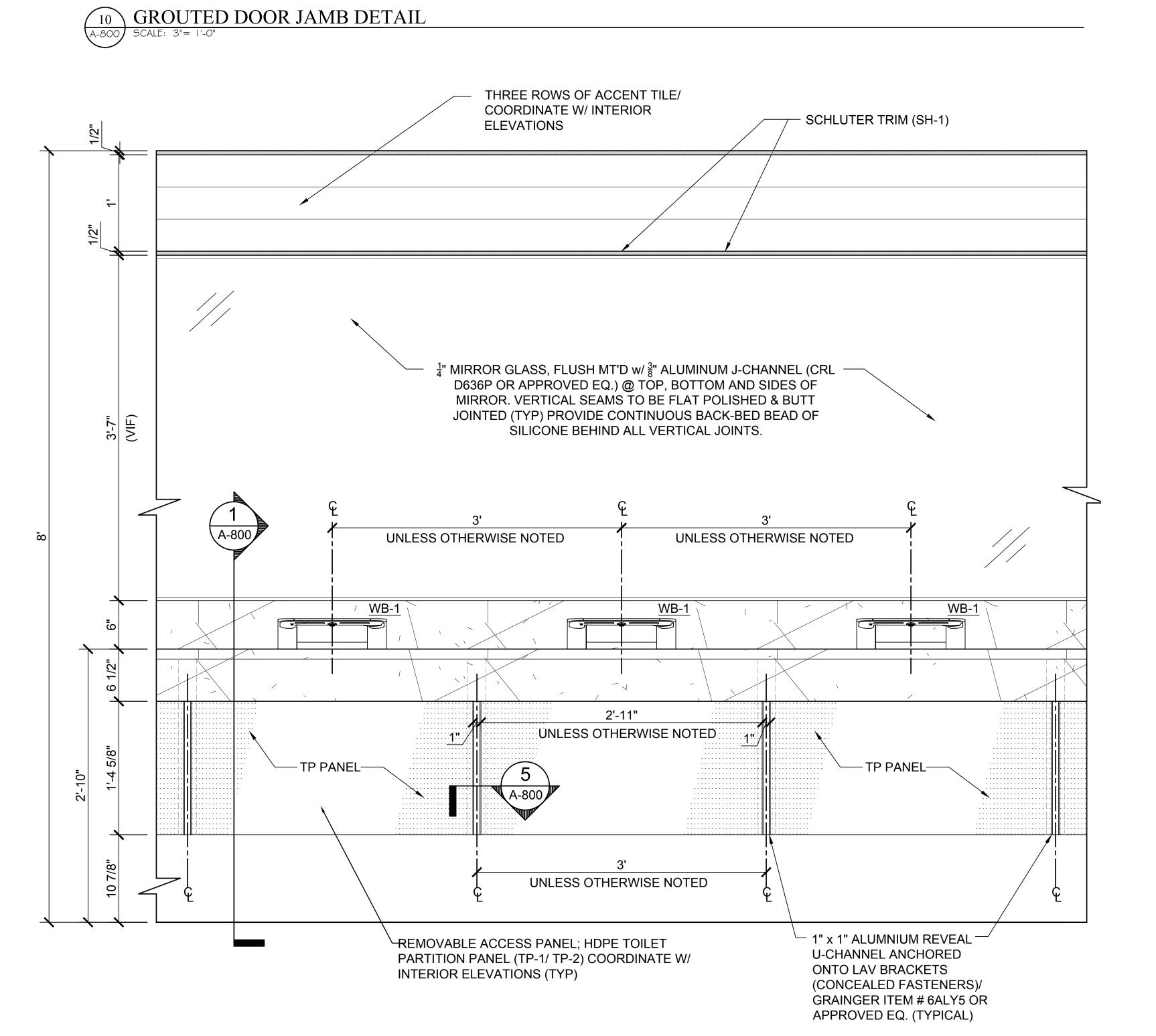


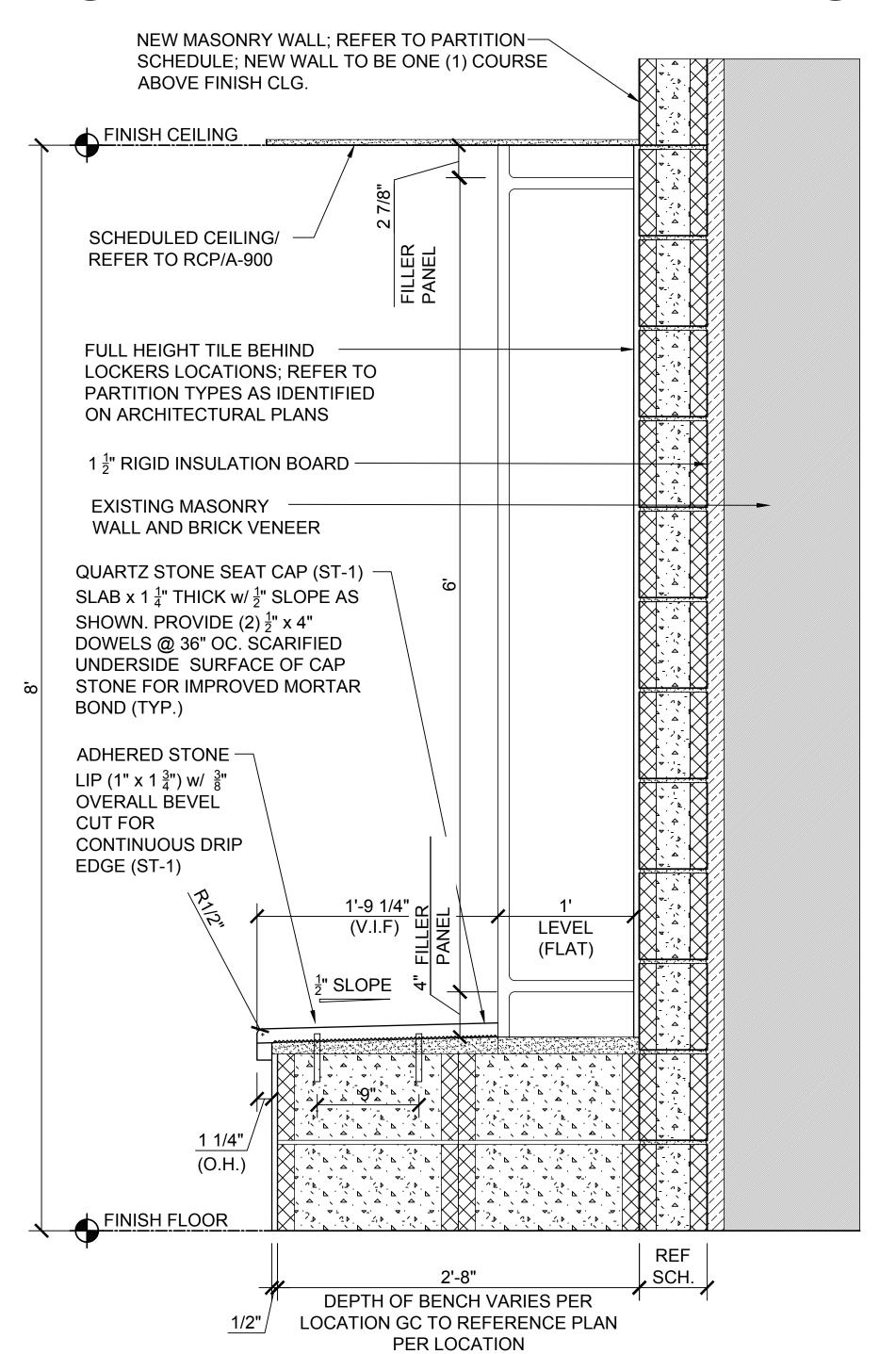
DETAIL @ TYPICAL LAVATORY COUNTER

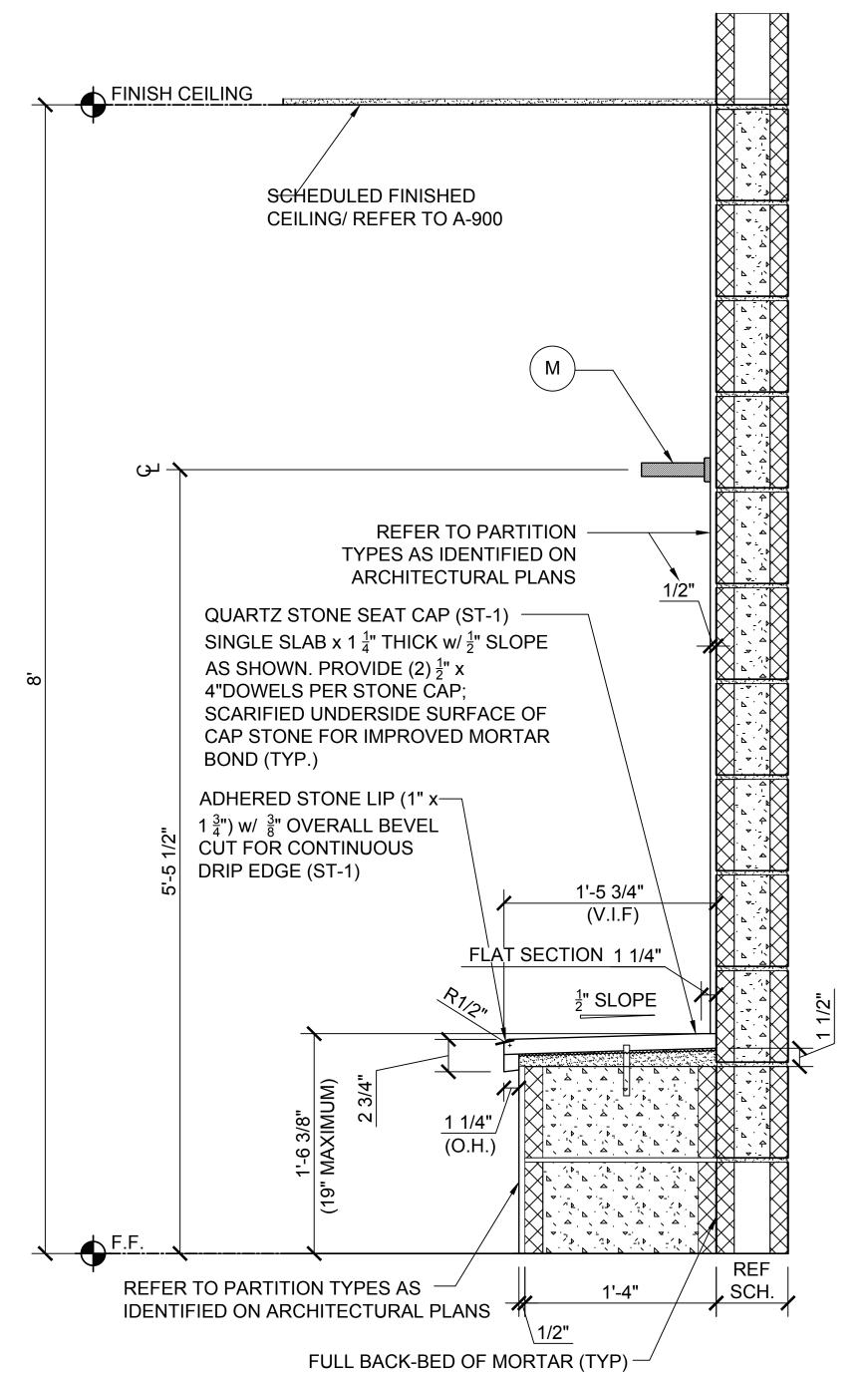
LAVATORY MOUNTING BRACKET

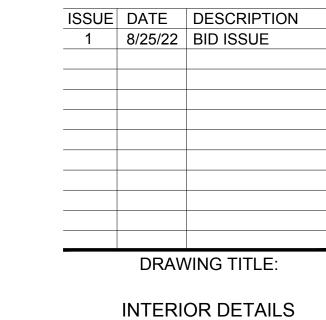












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JOB NO. CM002 DRN. BY CD CHK'D TJD SCALE AS NOTED DATE 11/01/2020

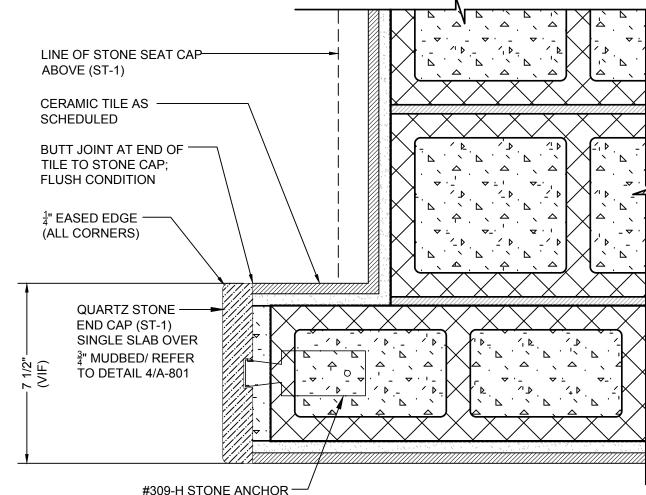
A-800

DETAL @ BUILT-IN BENCH & LOCKERS

4 LAVATORY SKIRT/ APRON DETAIL A-800) SCALE: 1-1/2"= 1'-0"

DETAL @ SHOWER SEAT

NOTE: THE DETAIL SHOWN ABOVE IS LOCATED AT ALL SHOWER JAMB CONDITIONS. SIMILAR CONDITIONS ARE SHOWN/NOTED ON PLANS AND OCCUR AT ALL END WALL CAPS; CONTRACTOR TO VERIFY ALL WIDTHS IN FIELD PRIOR FABRICATION.



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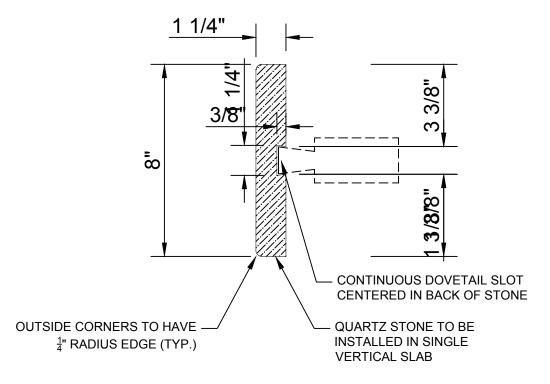
DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.

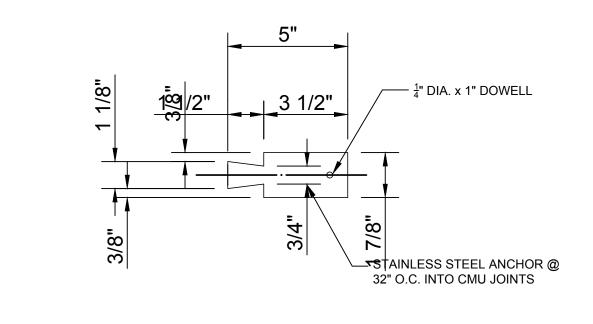
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(NJDAMA)

STONE CASING AT CMU END WALLS/ JAMBS

SCALE: 3" = 1'-O"

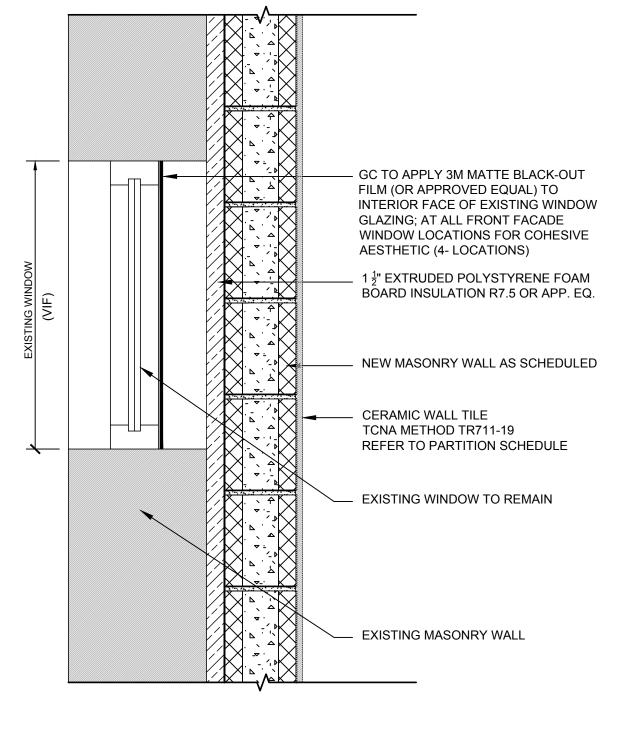


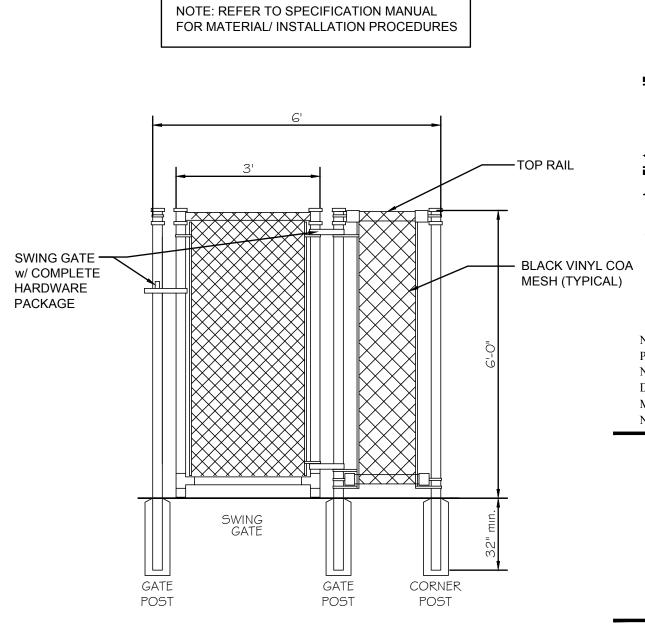


STONE CASING DETAIL

A-80 | SCALE: 3" = 1'-0"







WINDOW FILM DETAIL

SCALE: |-|/2" = |'-0"

3 CHAIN-LINK FENCE DETAIL

SCALE: 1/2" = 1'-0"

PROPOSED LATRINE & SHOWER ROOM
EXPANSION & REHABILITATION:

NJ NATIONAL GUARD ARMORY
CAPE MAY ARMORY
600 GARDEN STATE PARKWAY
CAPE MAY COURT HOUSE, NEW JERSEY
Thomas J. D'Arrigo Sr., A.I.A.

Thomas J. D'Arrigo Sr., A.I.A.

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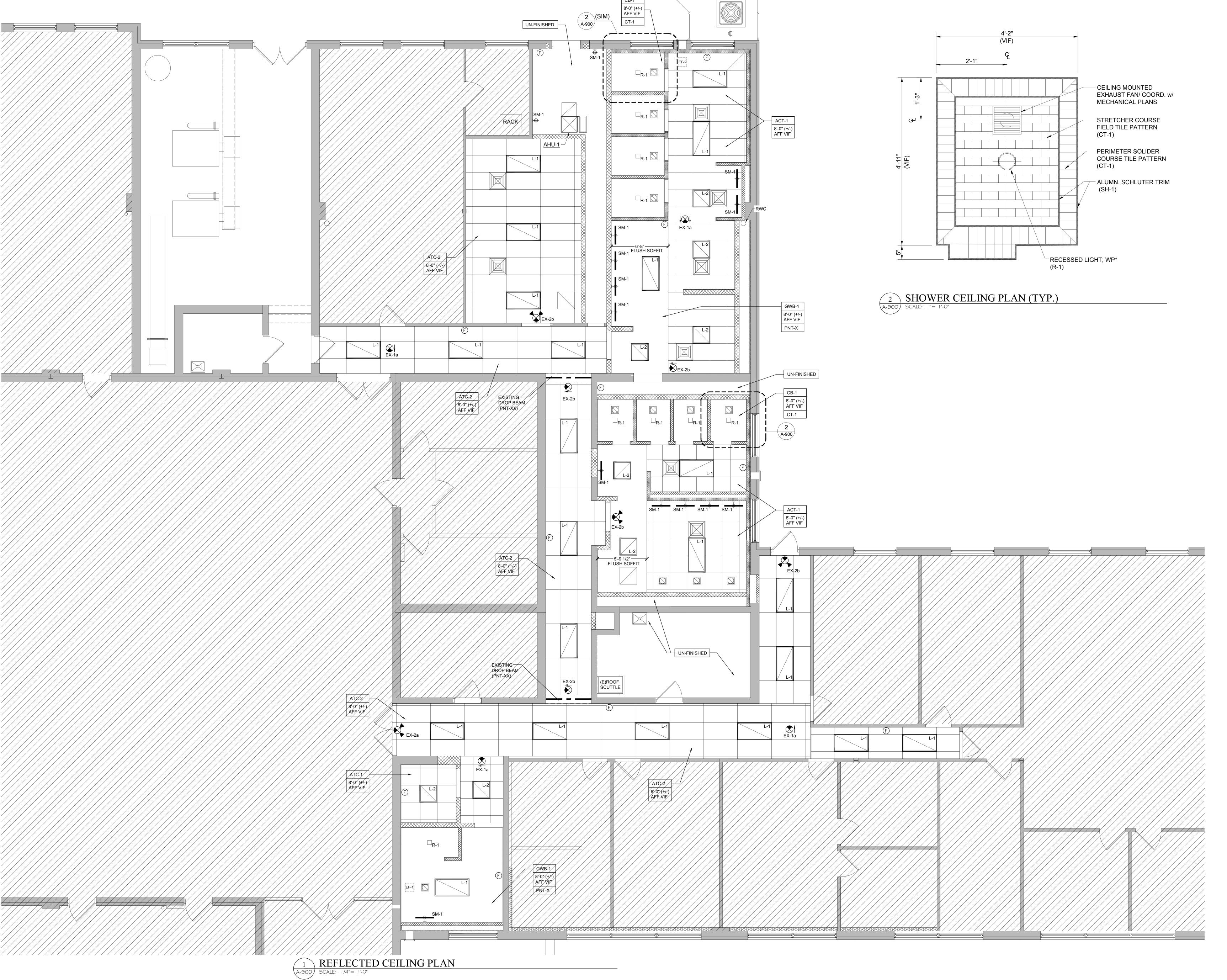
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1 8/25/22 BID ISSUE

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INTERIOR DETAILS

JOB NO. CM002
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REFLECTED **CEILING PLAN**

JOB NO. CM005 DRN. BY CD
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SCALE AS NOTED
DATE 11/01/2020

HVAC BASIC DUCTWORK SYMBOLS

| | SINGLE LINE DUCTWORK OR EQUIPMENT — NEW |
|--|--|
| | SINGLE LINE DUCTWORK OR EQUIPMENT — EXISTING |
| * * * * * * * * * * * * * * * * * * * | DUCTWORK TO BE REMOVED |
| | DUCTWORK WITH ACOUSTIC LINING |
| | DUCT UNDER POSITIVE PRESSURE (SUPPLY AIR OR FAN DISCHARGE) |
| | DUCT UNDER NEGATIVE PRESSURE (RETURN, EXHAUST OR OUTSIDE AIR) |
| VD | VOLUME DAMPER |
| FD/AD | FIRE DAMPER AND ACCESS DOOR |
| BDD | BACK DRAFT DAMPER |
| MSMK/FD/AD | COMBINATION SMOKE AND FIRE DAMPER |
| M | MOTOR OPERATED DAMPER |
| M SMK | AUTOMATIC SMOKE DAMPER |
| — R ► | RISE IN DUCTWORK (IN DIRECTION OF AIR FLOW) |
| | DROP IN DUCTWORK (IN DIRECTION OF AIR FLOW) |
| ¢ | CENTER LINE |
| ♦ OR CFM | CUBIC FEET PER MINUTE |
| Ø | DIAMETER |
| $\not\sqsubseteq$ | SQUARE FEET |
| ← | POINT OF CONNECTION |
| | POINT OF DISCONNECTION |
| "ZZZ" \$ | RECTANGULAR CEILING DIFFUSER WITH Y" X Y" NECK "ZZZ" CFM SUPPLY AIR |
| <u>CD-"X"</u> "ZZZ" § | TYPE "X" CEILING DIFFUSER "ZZZ" CFM SUPPLY AIR |
| | W" BY H" CEILING REGISTER (CEILING GRILLE) ZZZ CFM RETURN AIR |
| | RECTANGULAR DIFFUSER WITH BLANKING PLATE |
| "W"x"H" TR | W" BY H" TOP REGISTER, "ZZZ" CFM SUPPLY AIR |
| "W"x"H" TR(TG) "ZZZ" \$ | W" BY H" TOP REGISTER (TOP GRILLE) "ZZZ" CFM RETURN AIR |
| "ZZZ"\$ | W" BY H" BOTTOM REGISTER (BOTTOM GRILLE) "ZZZ" CFM RETURN AIR |

VANED ELBOW (SEE DETAIL) OR RADIUS ELBOW

FLEXIBLE DUCT

DUCT FLEXIBLE CONNECTION

VERTICAL DUCT DROP

VERTICAL DUCT RISE

VAV BOX TYPE A

CONSTANT VOLUME BOX

WITH REHEAT COIL

VAV BOX TYPE A WITH REHEAT COIL

(IN DIRECTION OF AIRFLOW)

(IN DIRECTION OF AIRFLOW)

SLOTTED LINEAR DIFFUSER WITH PLENUM

CONSTANT VOLUME BOX - TYPE A

-

× | **◄**──

| × | **⊸**

 \leftarrow

HVAC BASIC PIPING SYMBOLS

THERMOSTAT

HUMIDISTAT

▼ UC

SMOKE DETECTOR

DOOR UNDERCUT

SECTION DESIGNATION

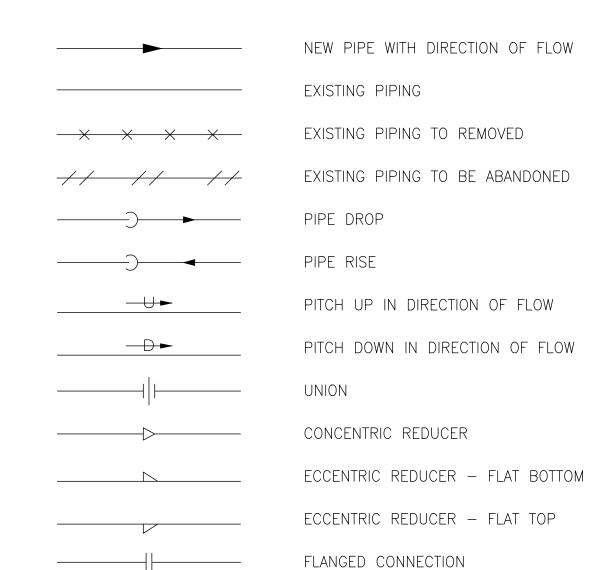
— DETAIL DESIGNATION

SHEET NO. WHERE SECTION IS SHOWN

SHEET NO. WHERE DETAIL IS SHOWN

TEMPERATURE SENSOR

(NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT)



FLANGED END

PIPE ANCHOR

GATE VALVE

ANGLE VALVE

GLOBE VALVE

DRAIN VALVE

ANGLE GLOBE VALVE

NEEDLE VALVE COCK

LOCK SHIELD VALVE

SILENT CHECK VALVE

FLEXIBLE CONNECTOR

SQUARE HEAD COCK

PLUG VALVE (TYPE AS NOTED)

THREE-WAY AUTOMATIC CONTROL VALVE

"Y" TYPE STRAINER W/BLOW OFF VALVE

AUTOMATIC CONTROL VALVE

THERMOMETER AND WELL

CONDENSER WATER SUPPLY

CONDENSER WATER RETURN

CHILLED WATER SUPPLY

CHILLED WATER RETURN

HOT WATER SUPPLY

DOMESTIC WATER

_____ DW ____

_____ D ____

PRESSURE GAUGE

BALANCING VALVE

BUTTERFLY VALVE

BALL VALVE

CHECK VALVE, SWING OR LIFT

EXPANSION LOOP

PIPE EXPANSION JOINT

PIPE ALIGNMENT GUIDE

HVAC ABBREVIATIONS

SED ON THIS PROJECT)

RUNNING LOAD AMPS

SUPPLY AIR

SUPPLY FAN

SPECIFICATION

TEMPERATURE

TOP GRILLE

TYPICAL

WIDTH

WITH

WET BULB

ZONE DAMPER

TOP REGISTER

UNIT HEATER

SMOKE DAMPER

STATIC PRESSURE

TOTAL DYNAMIC HEAD

VARIABLE FREQUENCY DRIVE

VARIABLE AIR VOLUME UNIT

VARIABLE INLET VANES

WIRE MESH SCREEN

REVOLUTIONS PER MINUTE

EXISTING TO BE REMOVED AND RETURN TO OWNER

| HVAC | ABBREVIATIONS |
|-------------|---|
| (NOT ALL | ABBREV. ARE NECESSARILY USE |
| AAV | AUTOMATIC AIR VENT RLA |
| AC | AIR CONDITIONING RPI |
| ACU | AIR CONDITIONING UNIT (RF |
| AD | ACCESS DOOR SA |
| AFF AHU | ABOVE FINISHED FLOOR AIR HANDLING UNIT |
| BG | BOTTOM GRILLE |
| BHP | BRAKE HORSEPOWER |
| BR | BOTTOM REGISTER TDF |
| BT BTU | BOTTOM THROAT BRITISH THERMAL UNIT |
| BTUH | BTU PER HOUR |
| CD | CEILING DIFFUSER |
| CFM | CUBIC FEET PER MINUTE UH |
| CG CLG | CEILING GRILLE VFE CEILING |
| COND | CONDENSATE |
| CR | CEILING REGISTER |
| CU | CONDENSING UNIT |
| CUH CV | CABINET UNIT HEATER "/ CONSTANT VOLUME WB |
| DB | DRY BULB |
| DIAM | DIAMETER ZD |
| DMPR | DAMPER |
| DX (E) | DIRECT EXPANSION EXISTING TO REMAIN |
| (E) (ER) | EXISTING TO REMAIN EXISTING TO BE REMOVED |
| (ERR) | EXISTING TO BE REMOVED & RELOCATED |
| EAT | ENTERING AIR TEMPERATURE |
| EB | ELECTRIC BASEBOARD |
| EDB EF | ENTERING DRY BULB TEMPERATURE EXHAUST FAN |
| EL | ELEVATION |
| EF | EXHAUST FAN |
| ER | EXHAUST REGISTER |
| EWB EWT | ENTERING WET BULB ENTERING WATER TEMPERATURE |
| EXH | EXHAUST |
| °F | DEGREES FAHRENHEIT |
| FA | FREE AREA (SQ.FT.) |
| FC FCU | FLEXIBLE CONNECTION FLEXIBLE COIL UNIT |
| FD | FIRE DAMPER |
| FIN FL | FINISHED FLOOR |
| FLA | FULL LOAD AMPERES |
| FPM GAL | FEET PER MINUTE GALLON |
| GF | GAS FURNACE |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| HT HR | HEIGHT HOUR |
| HV | HEATING AND VENTILATING |
| НХ | HEAT EXCHANGER |
| HZ | FREQUENCY |
| IN LAT | INCH OR INCHES LEAVING AIR TEMPERATURE |
| LAT | LINEAR DIFFUSER |
| LF | LINEAR FEET |
| LR | LINEAR RETURN |
| LWB | LEAVING WET BULB TEMPERATURE |
| LWT MBH | LEAVING WATER TEMPERATURE THOUSAND BTU PER HOUR |
| MER | MECHANICAL EQUIPMENT ROOM |
| MIN | MINIMUM |
| (N) | NEW |
| NC NIC | NORMALLY CLOSED NOT IN CONTRACT |
| NO | NORMALLY OPEN |
| NO. | NUMBER |
| NTS | NOT TO SCALE |
| OA OAI | OUTSIDE AIR OUTSIDE AIR INTAKE |
| OED | OPEN END DUCT |
| PSI | POUNDS PER SQUARE INCH |
| PSIA | PSI ABSOLUTE |
| PSIG | PSI GAUGE |
| RA (RE) | RETURN AIR RELOCATED EXISTING |
| RF | RETURN FAN |

RETURN FAN

REHEAT COIL

RELATIVE HUMIDITY

GENERAL NOTES

- 1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
- 2. DRAWINGS ARE DIAGRAMMATIC. DETERMINE EXACT LOCATIONS OF
- SYSTEMS AND COMPONENTS IN FIELD.
- 3. WORK IN THIS SECTION IS SPECIFIED IN DIVISION 15000.
- 4. COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
- 5. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
- 6. NEITHER ACCURACY NOR COMPLETION OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- 7. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS REQUIREMENTS & RECOMMENDATIONS.
- 8. PROVIDE HANGERS, INSERTS, ANCHORS, SUPPLEMENTAL STEEL & SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURE.
- 9. COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
- 10. RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS.
- 11. INSTALL THERMOSTATS AND TEMPERATURE SENSORS 4'-6" ABOVE FINISHED FLOOR OR AS DIRECTED OTHERWISE BY ARCHITECT.
- 12. STRUCTURAL WELDING SHALL BE CONTINUOUS 1/4" FILLET UNLESS REQUIRED OTHERWISE.
- 13. CONTRACTORS BID ACKNOWLEDGES THAT THE DOCUMENTS HAVE BEEN REVIEWED AND NO AMBIGUITIES, ERRORS OR CODE VIOLATIONS HAVE BEEN FOUND AND THAT THE BID IS BASED EXCLUSIVELY ON THE

DOCUMENTS AND THAT REVIEW.

- 14. ALL WORK TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- 15. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND APPROVED BY ASME, AGA, ANSI, UL OR SIMILAR AUTHORITIES AS APPLICABLE.
- 16. PROCURE ALL NECESSARY PERMITS, INSPECTIONS AND LICENSES AND PAY ALL REQUIRED FEES.
- 17. ON COMPLETION OF WORK, THE ENTIRE SYSTEM SHALL BE COMPLETELY OPERATIVE AND PROPERLY ADJUSTED, FREE FROM EXCESSIVE NOISE AND VIBRATION.
- 18. TESTS SHALL BE MADE AS REQUIRED, FURNISH ALL LABOR, MATERIALS AND INSTRUMENTS.
- 19. SUBMIT A WRITTEN STATEMENT TO THE OWNER GUARANTEEING ALL EQUIPMENT AND SYSTEMS AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR ONE(1) YEAR FROM THE DATE OF ACCEPTANCE. EXTENDED WARRANTIES SHALL BE GIVEN WHERE AVAILABLE. UPON WRITTEN NOTICE AND AT NO EXPENSE TO THE OWNER, PROMPTLY REPAIR ALL DEFECTIVE MATERIALS.
- 20. VERIFY ELECTRICAL CHARACTERISTICS WITH THE ELECTRICAL CONTRACTOR.
- 21. VERIFY ALL CONSTRUCTION DETAILS BEFORE ORDERING EQUIPMENT AND AIR DEVICES AND PROVIDE SAME COMPATIBLE WITH STRUCTURE AND CEILING CONSTRUCTION. PROVIDE FIRE DAMPERS AT ALL OPENINGS IN FIRE RATED CEILINGS, WALL, ETC.
- 22. DO ALL CUTTING AND PATCHING REQUIRED INCLUDING FIRE STOPPING AT ALL FIRE DIVISIONS.
- 23. PROVIDE VIBRATION ISOLATION FOR ALL EQUIPMENT.
- 24. CONTRACTOR SHALL SUBMIT ALL SUGGESTED CHANGES FOT APPROVAL BEFORE PROCEEDING OR HE MAY BE REQUIRED TO REMOVE, ALTER AND/OR REPLACE THE WORK IN QUESTION AT NO ADDITIONAL COST.
- 25. PROVIDE ELECTROCHEMICAL INSULATING FITTINGS WHERE DISSIMILAR METALS ARE JOINED.
- 26. NO ASBESTOS OR LEAD CONTAINING MATERIALS MAY BE USED.

AIR SYSTEMS

- 27. AIR SYSTEMS SHOW GENERAL DEVICE LOCATIONS, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
- 28. INTERNAL AIRFLOW DIMENSIONS ARE SHOWN FOR DUCTS. INCREASE DUCT SIZE AS NECESSARY TO MAINTAIN FREE FLOW AREA INDICATED.
- 29. USE FLAT TRANSVERSE SEAM FOR DUCTWORK WHERE SPACE AVAILABLE DICTATES.
- 30. DIFFUSER SIZES SHOWN ARE NECK SIZES. REGISTERS AND GRILLE SIZES ARE NOMINAL.
- 31. PROVIDE VOLUME DAMPERS OR OTHER APPROVED BALANCING DEVICES AT DUCT BRANCHES AND RUN OUTS, AND AT REGISTER GRILLE AND DIFFUSER NECKS IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHETHER SHOWN OR NOT.
- 32. DUCTWORK DOWNSTREAM OF ALL FANS SHALL BE ACOUSTICALLY LINED WITH 1" ACOUSTICAL LINING FOR A MINIMUM OF 15 FEET.
- 33. PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL

<u>PIPING SYSTEMS</u>

34. PITCH PIPING 1" IN 20' IN DIRECTION OF FLOW.

PANELS PER N.E.C. AND MFG. REQUIREMENTS.

35. PROVIDE TRAPS IN CONDENSATE LINES THAT EXTEND OVER 2".

GENERAL NOTES:

- NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY/ALL COSTS FOR ADJUSTING, RE—ALIGNING OF ANY HVAC OBSTRUCTIONS THAT EFFECT THE NEW WORK SCOPE, AND RESTORING THEM BACK TO A FULLY FUNCTIONAL AND BALANCED STATE.
-). G.C. IS ALSO RESPONSIBLE FOR ANY/ALL COSTS FOR RELOCATING ANY SPRINKLER SYSTEM
- ELEMENTS THAT MAY INTERFERE WITH NEW WORK, AND RESTORING SYSTEM BACK TO

THE ROOF SUCH THAT THE OWNER'S ROOF WARRANTY IS UNAFFECTED BY THE WORK.

3). G.C. IS RESPONSIBLE FOR ANY/ALL COSTS RELATING TO NEW ROOF PENETRATIONS

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SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

(NJD)

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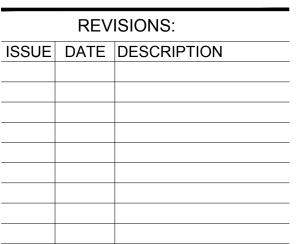
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DRAWING TITLE:

MECHANICAL

COVER SHEET

JOB NO. CM005 DRN. BY CD CHK'D TJD SCALE AS NOTED DATE 11/01/2020



GENERAL NOTES FOR RETROFIT PIPING WORK:

1.) PROVIDE A MINIMUM OF THREE (3) BENDS ON ALL TAKE-OFFS FROM MAIN PIPING

2.) PROVIDE SHUT-OFF GATE VALVES ON ALL SUPPLY & RETURN BRANCH PIPING INSTALLED OFF EXISTING MAIN PIPING.

3.) PROVIDE BALANCING COCK ON ALL RETURN BRANCH PIPING INSTALLED OFF EXISTING MAIN PIPING.

4.) ALL NEW RADIATION UNITS SHALL BE INSTALLED 8" CLEAR FROM UNDERSIDE OF EXISTING CEILINGS.

5.) REPLACE EXISTING UNIT HEATERS AND RADIATION UNITS IDENTIFIED WITH NEW CEILING MOUNTED RADIATION UNITS PER SCHEDULE. 6.) PROVIDE 4 MIN. OF MFR'S HANGER BRACKETS FOR ALL 8' LONG RADIATION UNITS / (3 MIN. HANGERS FOR 6' AND 2 FOR 4').

7.) AIR FILTER (WHITE ROGERS MODEL No. ACM1400M-108) 25" X 16" X 4"

8.) CONDENSING UNIT TO BE SALT—AIR PROTECTED

9.) MOTORIZED OUTSIDE AIR DAMPER TO BE INTERLOCKED w/ AHU-1 BLOWER (SET TO 5%)

| <u>MECHA</u> | NICAL EQUIF | MENT SCH | EDULE | | | | | | | |
|--------------|--------------|--------------------|------------------|----------------|-----------------------------|-------------------------|--|--|--|--|
| DESIGNATION | MANUFACTURER | MODEL / SERIES | CAPACITY | CFM / SEER | ELEC. SPECIFICATIONS | REMARKS | | | | |
| AHU-1 | GOODMAN | ASPT49DH14 | 4 TON | 1400 CFM | 15 AMP 208/230 SINGLE PHASE | VERTICAL INSTALLATION | | | | |
| COND-1 | GOODMAN | GSX 160421 | 3.5 TON | SEER 16 EER 13 | 40 AMP 208/230 SINGLE PHASE | | | | | |
| HWC-1 | WSD | 3 ROW; (22" x 22") | 69000-173000 BTU | | | INLET/OUTLET 1" NOMINAL | | | | |
| O.A. DAMPER | HONEYWELL | EARD8T2 | | | 24 V | 8" DIAMETER PIPE | | | | |

NOTE: 1.) FOR EACH HOT WATER COIL; BASE BID SHALL INCLUDE AUTOMATED CONTROL VALVE (TO BE COORDINATED WITH NEW BUILDING SYSTEM). 2.) PROVIDE ALTERNATE BID (CREDIT) FOR DEDUCT OF AUTOMATED CONTROL VALVE & PLACEMENT OF MANUAL CONTROL SETTER (ALTERNATE No. 1). 3.) PROVIDE BALANCING OF NEW HEATING COMPONENTS IN THIS CONTRACT WITH NEW BOILER SYSTEM AND RELATED EXISTING CONTROLS; COORDINATE WITH OWNER. 4.) PROVIDE BALANCING OF NEW COOLING ZONES WITHIN THIS CONTRACT.

5.) BALANCING CONTRACTOR SHALL CONFIRM FLOW RATES OF ALL HYDRONIC & AIR SYSTEMS IN CONTRACT.**

| <u>EXHAUST F</u> | FAN S | SCHEDULE |
|------------------|-------|----------|
|------------------|-------|----------|

| | | | | | | |
|-------------|--------------|--------------------------|---------------------------------|-----------|---|---|
| DESIGNATION | MANUFACTURER | MODEL / SERIES | TYPE | TOTAL CFM | DIMENSIONS | REMARKS |
| EF-1 | GREENHECK | BFD-80 | IN-LINE CENTRIFUGAL EXH. FAN | 400 | 18.5" X 15.9" X 47.25" | TH DISCHARGE; w/ FILTER |
| EF-2 | | | | | 18.5" X 15.9" X 23.25" | TH DISCHARGE |
| EF-3 | PANASONIC | WHISPER WARM FV-11VH2 | EXH FAN w/ INTEGRAL HEATER | 110 | BLOWER FAN: 25 WATTS HEATING ELEMENT : 1400 WATTS | 4" DIA. DISCHARGE DUCT 120 V 60 HZ / TOTAL AMPS 12.2 |

NOTES: 1.) PROVIDE STATIONARY EXTRUDED ALUM. EXTERIOR LOUVERS FOR EXHAUST DUCTS AT EXTERIOR WALL LOCATIONS; GREENHECK ESD MODEL: COORDINATE SIZE WITH

EXHAUST DUCT AND MASONRY OPENINGS IN THE FIELD.

2.) ALL EXHAUST FAN CONTROL TO BE INTERLOCKED WITH OCCUPANCY SENSORS.

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WITHOUT THE SAME CONSENT.

THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.



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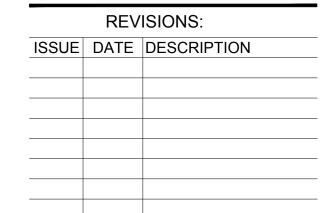
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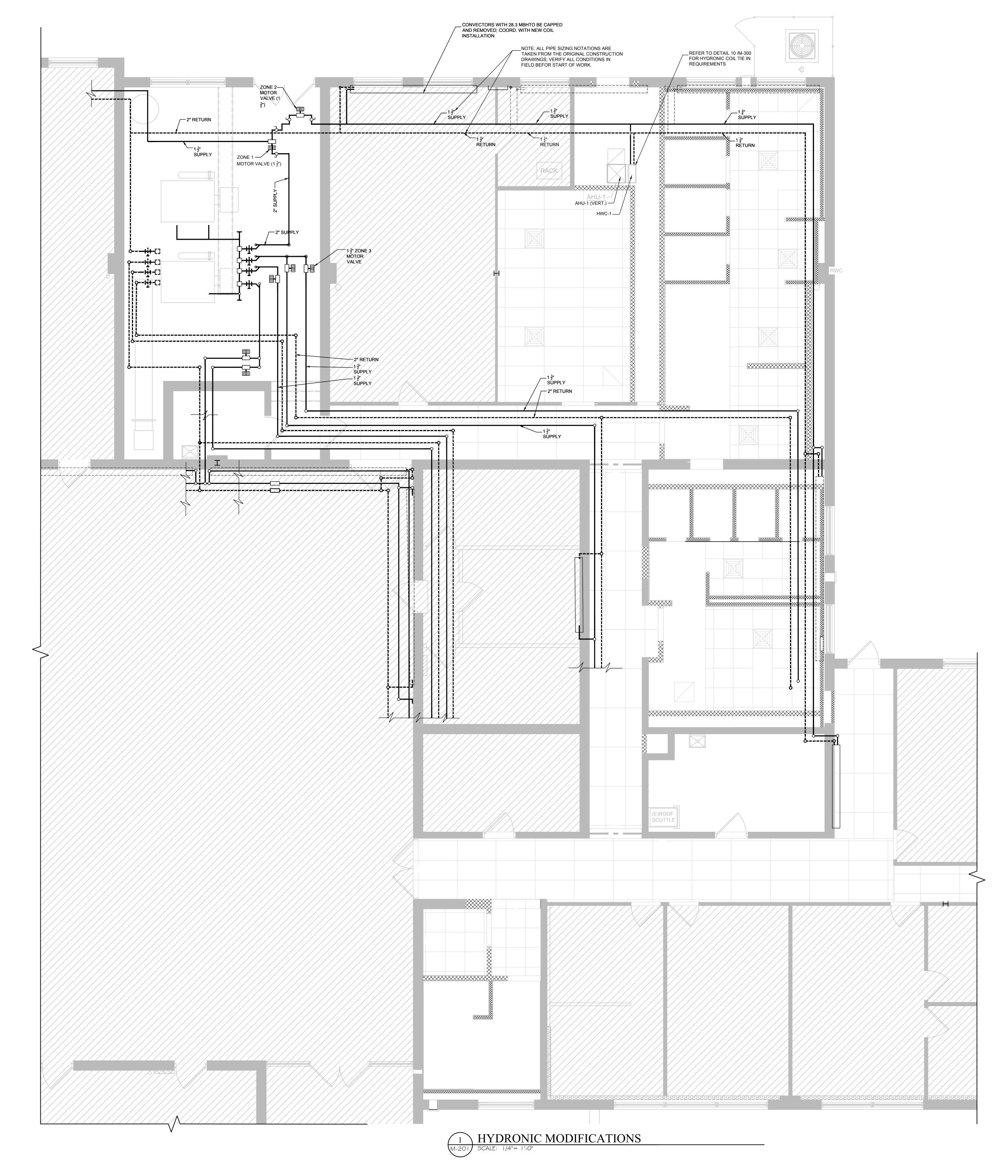
DRAWING TITLE:

MECHANICAL PLAN FORCED AIR

JOB NO. CM005 DRN. BY CD CHK'D TJD SCALE AS NOTED

DATE 11/01/2020

M-200



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REVISIONS:

ISSUE DATE DESCRIPTION DRAWING TITLE:

ZONE 1 HYDRONIC

JOB NO. CM005

DRN. BY CD

CHK'D TJD

SCALE AS NOTED

DATE 11/01/2020

M-201

(12) SOUND LINING INSTALLATION DETAIL

8 HYDRONIC PIPE SUPPORT DETAIL

PIPE SUPPORT SCHEDULE

3-R

3-R

3-R

3-R

3-R

3-R 4-R

9 PIPE HANGER SCHEDULE

PIPE SIZE MODEL NO.

**PIPE SUPPORTS TO

CODE REQUIREMENTS

COMPLY WITH LOCAL SEISMIC

TEMP. SENSOR—

CIRCUIT SETTER -

ISOLATION BALL VALVE

UNION -

WYE STRAINER w/ BLOW-DOWN-

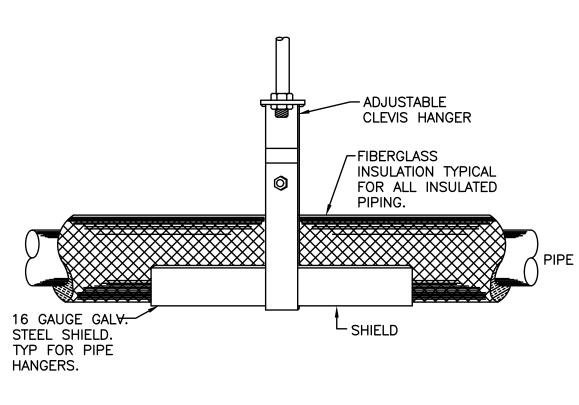
UNION —

ISOLATION BALL VALVE -

|-|/4"

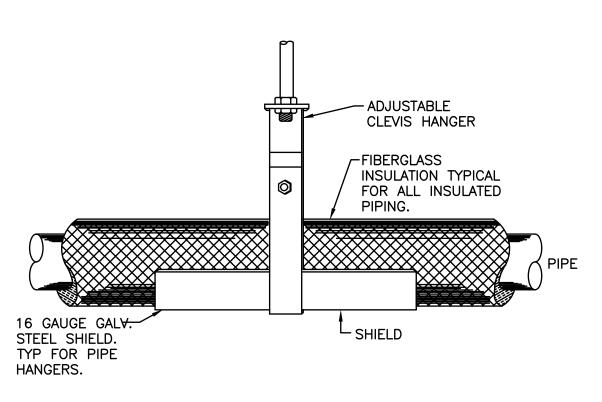
1-1/2"

2-1/2"





MAX SPACING



PIPING SHALL BE SUPPORTED AT ALL ELBOWS AND TEES AND AT SPACING

CONDENSATE (EXCEPT AT DIRT LEGS)

-PRESSURE GUAGE

—AUTO AIR BLEEDER

SCHEDULED HEAT COIL

——PLUG VALVE; BALANCING VALVE

—PRESSURE GUAGE

—PLUG VALVE

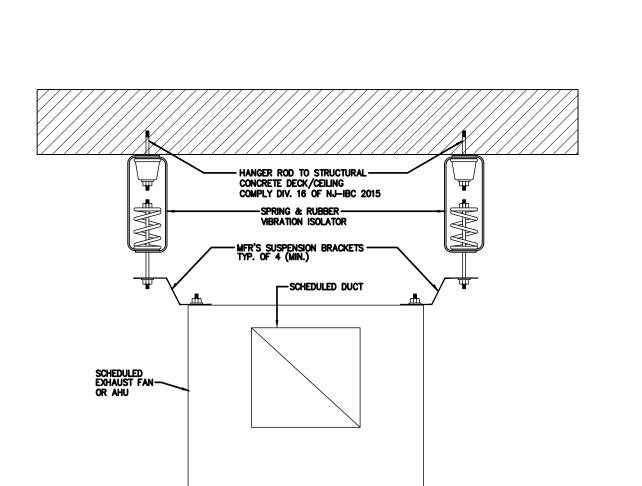
AND TO FACILITATE CONDENSATE

DO NOT ATTACH PIPE STANDS TO

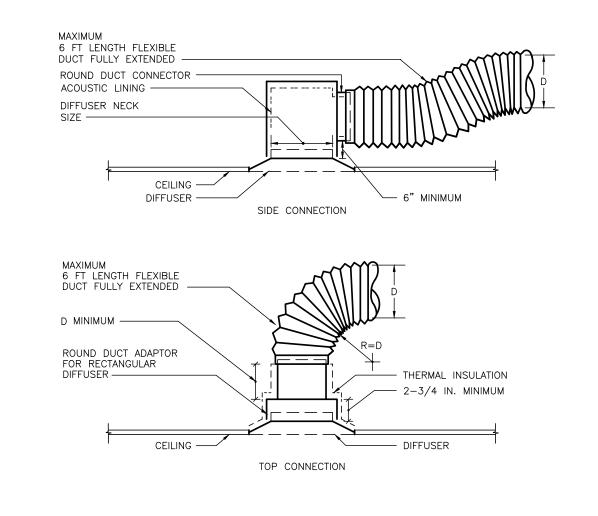
. PIPING SHALL BE SLOPED AND ROUTED TO PREVENT TRAPPING

SPECIFIED IN TABLE.

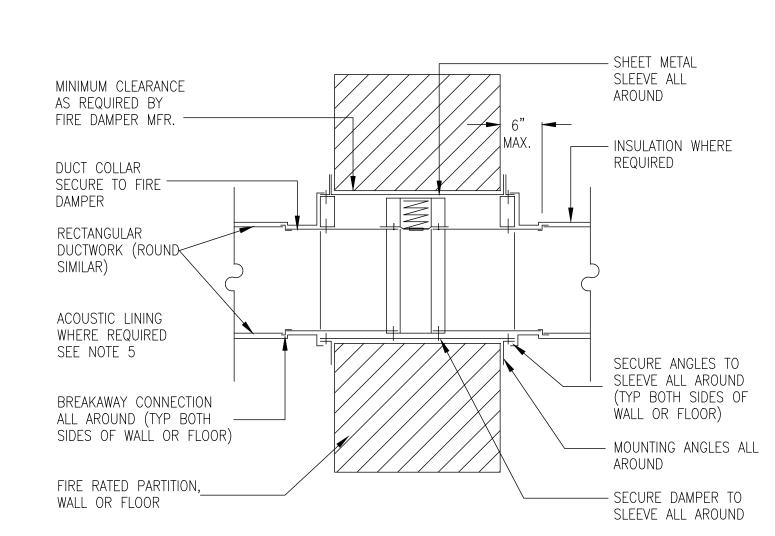
DRAINAGE.





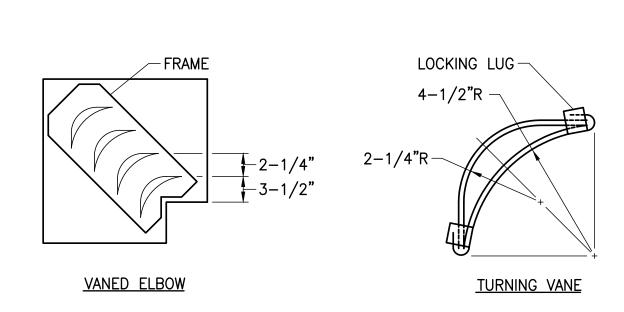


5 DIFFUSER CONNECTION DETAIL
M-300 SCALE: NOT TO SCALE



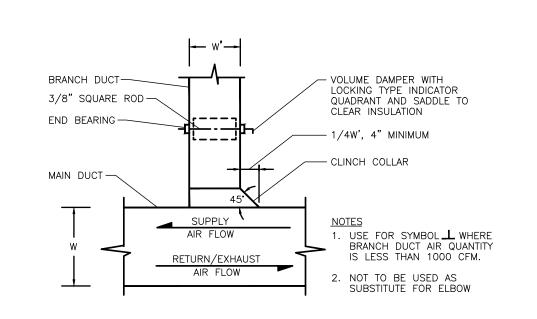
- FIRE DAMPER NOTES:
- 1. GENERAL ARRANGEMENT SHOWN. INSTALL ALL FIRE DAMPERS IN STRICT ACCORDANCE WITH ALL INSTALLATION PROCEDURES REQUIRED BY THE UNDERWRITERS LABORATORY INC AS FURNISHED BY DAMPER MANUFACTURER.
- 2. WHERE FIRE DAMPER IS TO BE MOUNTED WITHIN EXISTING WALL OR FLOOR, CUT OPENING AS REQUIRED TO MAINTAIN CLEARENCES STIPULATED BY THE MANUFACTURER BETWEEN WALL OR FLOOR AND SLEEVE.
- 3. ACCESS DOORS SHALL BE AS LARGE AS POSSIBLE, UP TO 18"X12" MAXIMUM. LOCATE ON MOST ACCESSIBLE SIDE OF DAMPER.
- 4. GUAGE OF SHEETMETAL SLEEVE, MOUNTING ANGLES, METHOD OF ATTACHMENT, ETC. AS DIRECTED BY FIRE DAMPER MANUFACTURER.
- 5. EXTERNAL INSULLATION IS REQUIRED FROM BREAK-AWAY CONNECTION TO WALL WHEN DUCTWORK IS ACCOUSTICALLY LINED.
- 6. NUMBER INDICATES THE HOURLY FIRE RESISTANCE RATING OF FIRE DAMPER. IF NONE IS SHOWN, THE RATING IS 1 1/2 HOURS.

EXHAUST FAN SUSPENSION DETAIL

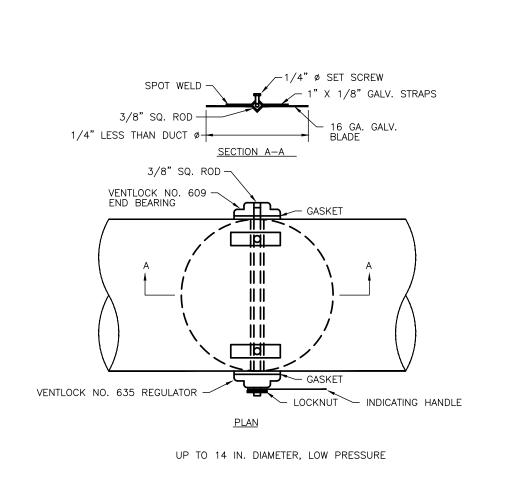


- 1. LOCKING LUGS INTEGRAL WITH VANE 2. MAXIMUM UNSUPPORTED VANE LENGTH 48" 3. FRAMES - BOLTED OR RIVETED TO ELBOW
- 4. VANES AND FRAMES SAME GAUGE AS ELBOW









6 ROUND VOLUME DAMPER

M-300 / SCALE: NOT TO SCALE

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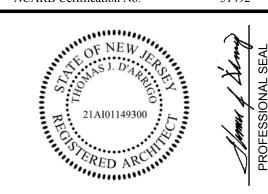
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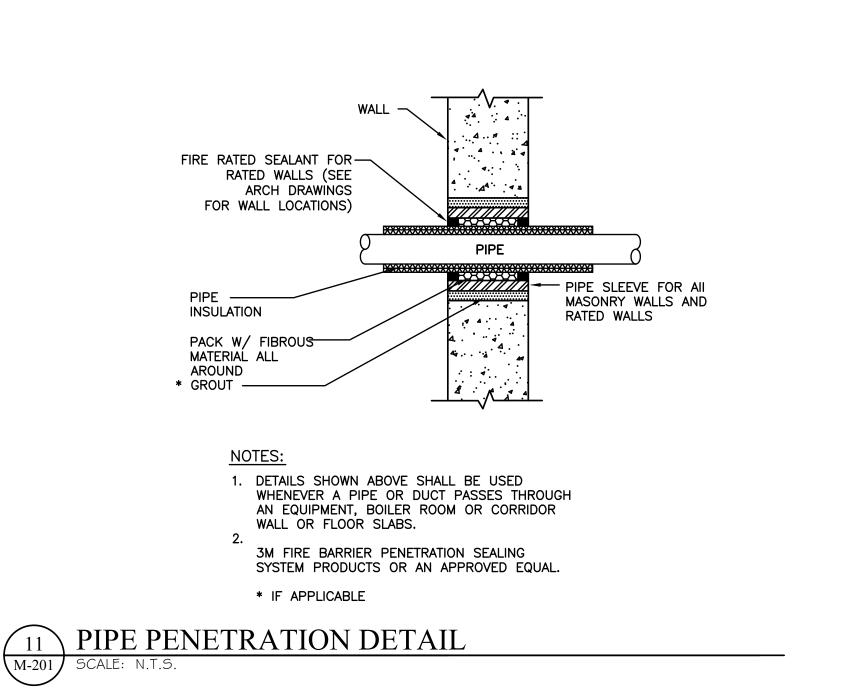
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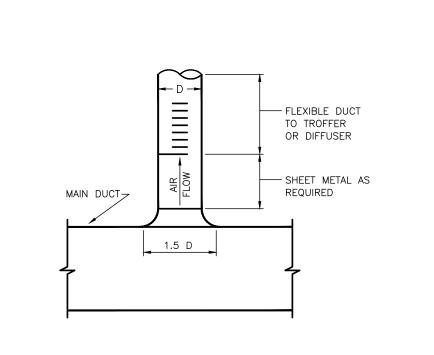
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M-300



10 TYPICAL RADIATION CONNECTION AT HEAT COIL



CIRCULAR BRANCH CONNECTION M-300) SCALE: NOT TO SCALE

| LOME | BING FIXTURE S | SCHEDULE | | | |
|-------------|-----------------------|---------------------------------|-------------------------|---|---|
| ID | FIXTURE | TYPE | MANUFACTURER | MODEL NO. | |
| <u>WC-1</u> | WATER CLOSET | WALL HUNG | AMERICAN STANDARD | Series: Finish: Model No.: Barrier Free: | AFWALL MILLENIUM 1.6 GPF FLUSHOMETER SYSTEM W/ HARD-WIRED FLUSH VALVE WHITE 2257.660 COMPLIANT |
| <u>UR-1</u> | URINAL | WALL HUNG | AMERICAN STANDARD | Series: Finish: Model No.: Barrier Free: | PINTBROOK 0.125 GPF URINAL SYSTEM W/ HARD WIRED-POWERED FLUSH VALVE WHITE 6002.525.020 COMPLIANT |
| LAV-1 | LAVATORY | UNDER COUNTER | BRADLEY CORP. | Series: | WASH-BAR |
| | | | | Finish: Model No.: Barrier Free: | SELECTED BY ARCHITECT LD-5010-1-MOD-WB-TR1 COMPLIANT |
| FV-1 | FLUSH VALVE | | AMERICAN STANDARD | Series: Finish: Model No.: Barrier Free: | SELECTRONIC SENSOR-OPERATED TOILET FLUSH VALVE; HARD WIRED AC POWER, BASE MODEL CHROME 606B.161 COMPLIANT |
| LAV-1 | FAUCET WASH BAR | SURFACE MOUNTED | BRADLEY CORP. | Series: Finish: Model No.: Barrier Free: | WASH-BAR DUO ALL-IN-ONE; CLEAN, RINSE, DRY STAINLESS STEEL WB1-A50-LSD (OR FSD) TMA-S-CHROME-WASHBAR KIT. COMPLIANT |
| SHR-1 | SHOWER PANEL COMBO | RECESSED MOUNTED | BRADLEY CORP. | Series: Finish: Model No.: Barrier Free: | CHASE MOUNTED SX PANEL SHOWER STAINLESS STEEL SXWS9551 N/A |
| SHR-2 | SHOWER PANEL COMBO | RECESSED MOUNTED | BRADLEY CORP. | Series: Finish: Model No.: Barrier Free: | RECESSED MOUNTED ADA COMPLIANT WALL SHOWER/SEAT STAINLESS STEEL HN200 (ADA-SHOWER/SEAT) COMPLIANT |
| <u>FD-1</u> | TRENCH DRAIN | RECTANGULAR GRATE | SCHLUTER KERDI-DRAIN | Series: Finish: Model No.: Barrier Free: | COMMERCIAL S.S. W/ 70" LINEAR GRATE STAINLESS STEEL KLV 60 E 180 KLB 19 EB 180 (B) COMPLIANT |
| FD-2 | FLOOR DRAIN | SQUARE GRATE | SCHLUTER KERDI-DRAIN | Series: Finish: Model No.: Barrier Free: | COMMERCIAL 6" S.S. SQUARE GRATE (6E) STAINLESS STEEL KDA/E/6E COMPLIANT |
| <u>FD-3</u> | FLOOR DRAIN | SQUARE GRATE | SCHLUTER KERDI-DRAIN | Series: Finish: Model No.: Barrier Free: | |
| FCO | FLOOR CLEAN OUT | SQUARE GRATE | SCHLUTER KERDI-DRAIN | Series: Finish: Model No.: Barrier Free: | 6" COMMERCIAL S.S. GRATE STAINLESS STEEL 6 CE COMPLIANT |
| <u>MR-1</u> | MOP RECEPTOR | 28" FLOOR MT'D W/ DROP FRONT | AMERICAN STANDARD | Series: Finish: Model No.: Barrier Free: | FLORWELL 28 X 28 IN SERVICE SINK CAST IRON/ WHITE MF # 7741000.020 |
| MR-1* | MOP RECEPTOR FAUCET | WALL MOUNT | AMERICAN STANDARD | Series: Finish: Model No.: Barrier Free: | RIGID UTILITY SINK FAUCET/ VANDAL RESISTANT ROUGH CHROME FINISH MF # 8350235.004 |

| | PLU | MBING | FIX | TUR | RE C | ONN | NECT | ΓΙΟΙ | N SC | HEDULE |
|--------|-----------------------|----------|-------|-------|-------|-------|--------|------|--------|--|
| No. | FIXTURE | TRAP | DRAIN | DFU's | VENT | CW | CWFU's | HW | HWFU's | REMARKS |
| WC-1 | WATER CLOSET (FV) | INTEGRAL | 4" | 6 | 2" | 1.25" | 8 | - | - | WALL MTD. |
| WC-1A | WATER CLOSET (FV) | INTEGRAL | 4" | 6 | 2" | 1.25" | 8 | • | - | PROVIDE ROUGH-IN AND CONNECTIONS FOR HANDICAPPED ACCESS FIXTURE WALL MOUNTED |
| UR-1 | URINAL | INTEGRAL | 2" | 5 | 1.25" | .75" | 5 | - | | |
| CTL-1 | COUNTER TOP LAVATORY | 1.25" | 1.25" | 1 | 1.25" | 0.5" | 0.8 | 0.5" | 0.8 | |
| CTL-2 | COUNTER TOP LAVATORY | 1.25" | 1.25" | 1 | 1.25" | 0.5" | 0.8 | 0.5" | 0.8 | |
| SK-1 | SINK | 1.5" | 1.5" | 2 | 1.25" | 0.5" | 1.1 | 0.5" | 1.1 | SINK W/ DISPOSER |
| SK-2 | SINK | 1.5" | 1.5" | 3 | 1.25" | 0.5" | 1.1 | 0.5" | 1.1 | SINK W/ DISPOSER & DISHWASHER |
| SHR-1 | SHOWER | 2" | 2" | 2 | 1.25" | 0.5" | 1.5 | 0.5" | 1.5 | |
| SHR-1A | SHOWER | 2" | 2" | 2 | 1.25" | 0.5" | 1.5 | 0.5" | 1.5 | PROVIDE ROUGH-IN AND CONNECTIONS FOR HANDICAPPED ACCESS FIXTURE |
| SS-1 | SERVICE SINK | 3" | 3" | 3 | 1.25" | 0.5" | 2.3 | 0.5" | 2.3 | |
| EWC-1 | ELECTRIC WATER COOLER | 1.25" | 1.25" | 0.5 | 1.25 | 0.5" | 0.5 | - | - | |
| FD-1 | FLOOR DRAIN | 3" | 3" | 0 | 1.5" | - | - | - | - | |
| FD-2 | FLOOR DRAIN | 3" | 3" | 3 | 1.5" | - | - | - | - | |
| TD-1 | TRENCH DRAIN | 3" | 3" | 4 | 2" | - | - | - | - | |
| TD-2 | TRENCH DRAIN | 3" | 3" | 4 | 2" | - | - | - | - | |
| , | | | | | | | | | | |

| No. | ITEM & MANUFACTURER | LOCATION | CAPACITY | ELECTRICAL REQUIREMENTS | NOTES & REMARKS |
|---------|---|------------------|--|---|--|
| DWH 1-6 | DOMESTIC WATER HEATERS (6), RHEEM, MODEL RTR-WH630 DVXLN W/ DIRECT VENT SP20908E, POLYPROPLENE DIRECT VENT AND AIR INTAKE | CLOSET | 22.5 GALLONS PER MINUTE TOTAL @ 100 DEGREES F DELTA T (199,000 BTU'S NATURAL GAS EACH 4" TO 10" WC) | 115V-60HZ-1PH | PROVIDE EZ LINK MANIFOLD HEATER CONTROLS, FOR HOT WATER RETUR PUMP CIRCULATION, ECONET LEAK DETECTION PD 415190, AND CONDENSATE NEUTRALIZATION FOR EACH HEATER, |
| HWRP-1 | HOT WATER RETURN PUMP, TACO, 006-SC4-1PNP | CLOSET | 4GPM @ 8 FT, HEAD (3/4" UNION CONNECTION) | 115V-60HZ-1PH, 3250 RPM, 1/40HP 0.52 AMPS | INTERGRAL ANALOG TIME CLOCK, & 6 POWER CORD |
| ET-1 | EXPANSION TANK, THERM-X- TROL, ST-20C | CLOSET | TOTAL VOLUME 8.0 GALS. | NONE | |
| BV-1 | THERM-OMEGA-TECH, CIRCUIT SOLVER, CS-1/2"130 | ABOVE CEILING | Cv 1.3 OPEN, 0.2 CLOSED, DESIGN 0.6 | NONE | |
| | | | | | |
| | | | | | |

Barrier Free:

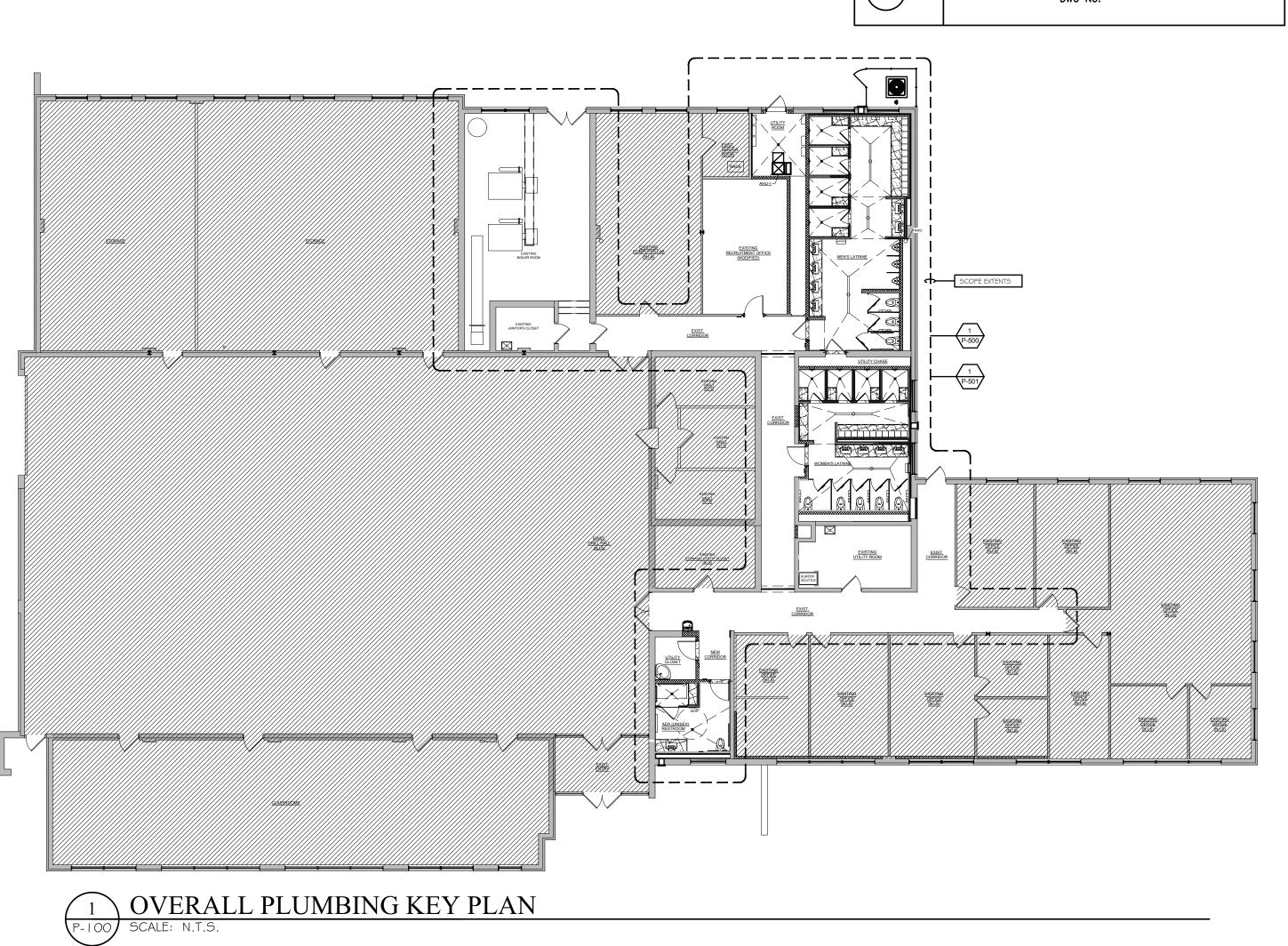
| | PLUMBING GENERAL NOTES |
|-----|--|
| 1. | PRIOR TO SUBMISSION OF BID, VISIT THE SITE AND VERIFY AND BECOME FAMILIAR WITH RELATIVE LOCATIONS AND EXISTING CONDITIONS. BIDS SUBMITTED WILL BE INTERPRETED TO MEAN THAT THE CONTRACTOR VISITED THE SITE AND ALL COST AND CHARGES MADE NECESSARY BY THE EXISTING CONDITIONS ARE INCLUDED. |
| 2. | DRAWINGS INDICATE GENERAL LOCATION OF WORK INCLUDED. PLUMBING CONTRACTOR SHALL COORDINATE LOCATION OF WORK WITH ALL OTHER TRADES. COORDINATE THE FINAL LOCATION OF THE PLUMBING FIXTURES WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS. |
| 3. | PROVIDE ALL FIXTURES, AND EQUIPMENT IN CONFORMANCE WITH MANUFACTURERS RECOMMENDATIONS AND AUTHORITY HAVING JURISDICTION. COORDINATE ALL ROUGH—IN INFORMATION WITH FIXTURE AND EQUIPMENT SUPPLIERS. |
| 4. | PROVIDE HANDICAPPED FIXTURES IN CONFORMANCE WITH THE AMERICANS DISABILITY ACT (ADA). INSULATE ALL PIPING BELOW ADA FIXTURES. COORDINATE COLORS WITH ARCHITECT WHERE INDICATED. |
| 5. | INSTALL ISOLATION VALVES ON ALL BRANCH PIPING UNLESS OTHERWISE NOTED. PROVIDE SHUT OFF VALVES TO ALL FIXTURES AND EQUIPMENT. |
| 6. | PROVIDE WATER HAMMER ARRESTERS ON DOMESTIC WATER PIPING IN CONFORMANCE WITH THE PLUMBING AND DRAINAGE INSTITUTE. |
| 7. | CONNECT ALL SERVICE BRANCHES TO TOP OF SERVICE MAINS WHERE POSSIBLE. PROVIDE DRAIN VALVES AT ALL LOW POINTS IN SERVICE PIPING SYSTEMS. |
| 8. | INSULATE ALL DOMESTIC COLD WATER, HOT WATER PIPING WITH 1" THICK FIBERGLASS PIPE INSULATION AND ALL PURPOSE PVC JACKET OR AS SPECIFIED. |
| 9. | SLOPE ALL WASTE PIPING IN CONFORMANCE WITH APPLICABLE CODES AND THE AUTHORITY HAVING JURISDICTION. USE 1/4" PER FOOT UNLESS OTHERWISE NOTED. |
| 10. | SUPPORT ALL PIPING IN CONFORMANCE WITH MSS-69 AND THE AUTHORITY HAVING JURISDICTION. |
| 11. | ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH UL LISTED FIREPROOFING SYSTEM TO MATCH THE RATING OF THE WALL OR FLOOR. |
| 12. | PROVIDE NEC REQUIREE PIPE CLEARANCE ABOVE OR AROUND ANY ELECTRICAL EQUIPMENT, PANES ETC. |
| 13. | WHERE CONNECTING TO EXISTING PIPING SYSTEMS, INSPECT PIPING FOR DEFECTS. NOTIFY OWNERS REPRESENTATIVE IF EXISTING PIPING IS FOUND TO BE IN UNSATISFACTORY CONDITION TO DETERMINE IF REPLACEMENT IS NECESSARY. |
| 14. | COORDINATE ALL SYSTEM SHUT DOWN TIMES WITH OWNERS REPRESENTATIVE. |
| 15. | IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT FACILITY SERVICES TO AREAS NOT IN SCOPE OR UNDER CURRENT CONSTRUCTION PHASE ARE NOT INTERUPPTED EXCEPT BY SCHEDULED SHUT—DOWN COORDINATED WITH THE OWNER. PROVIDE TEMPORARY PIPING, ETC. AS REQUIRED TO OTHER AREAS OF THE FACILITY IN OPERATION IF THEIR SERVICES WILL BE INTERUPPTED BY THE WORK UNDER THIS CONTRACT. THIS INCLUDES, BUT IS NOT LIMITED TO, PROVIDING TEMPORARY PIPING, DRAINAGE, ETC. |
| 16. | PLUMBING WORK SHALL BE DONE AT SUCH TIME, AND IN SUCH MANNER, AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF THE BUILDING ACTIVITIES AND WILL NOT INTERFERE WITH THE QUIET ENJOYMENT OF THE BUILDING BY OTHER TENANTS. |

| LEAST ACTIVIT | INTERFERE WITH THE MAINTENANCE AND OPERATION OF THE BUILDING TIES AND WILL NOT INTERFERE WITH THE QUIET ENJOYMENT OF THE BUILDING THER TENANTS. | |
|------------------|---|--|
| | | |
| PIP | E LOCATION NOTES | |
| 1 | CONCEALED IN CEILING SPACE ABOVE | |
| 2 | EXPOSED ON STRUCTURE ABOVE | |
| 3 | CONCEALED IN CEILING SPACE, BELOW FLOOR | |
| 4 | EXPOSED ON STRUCTURE, BELOW FLOOR | |
| (5) | BELOW GRADE | |
| 6 | RACK ON WALL, BELOW COUNTER TOP | |
| (7) | ABOVE FLOOR | |
| ⟨8 ⟩ | RUN THROUGH OR BETWEEN BAR JOIST | |

(9) CONCEALED BELOW RAISED FLOOR

| AFF AFG | ABOVE FINISHED FLOOR ABOVE FINISHED GRADE |
|------------------|--|
| AP | ACCESS PANEL |
| BLDG | BUILDING |
| CA | COMPRESSED AIR |
| CB&V CIP | CURB BOX & VALVE CAST IRON PIPE |
| CLG | CEILING |
| CO | CLEANOUT |
| CONN | CONNECTION |
| CTL | COUNTERTOP LAVATORY |
| CTS CW | COUNTERTOP SINK COLD WATER |
| CWFU | COLD WATER FIXTURE UNIT |
| DI | DEIONIZED WATER |
| DN | DOWN |
| DWG | DRAWING |
| DW DFU | DISHWASHER DRAINAGE FIXTURE UNIT |
| EC EC | ELECTRICAL CONTRACTOR |
| EL | ELEVATION |
| EQUIP | EQUIPMENT |
| (E) | EXISTING ITEM |
| (ED) | EXISTING ITEM TO BE DEMOLISHED |
| (ER) EWC | EXISTING ITEM TO BE RELOCATED ELECTRIC WATER COOLER |
| FA | FROM ABOVE |
| FB | FROM BELOW |
| FCO | FLOOR CLEANOUT |
| FD | FLOOR DRAIN |
| FPC | FIRE PROTECTION CONTRACTOR |
| G GC | GAS(NATURAL) GENERAL CONTRACTOR |
| GPD | GALLONS PER DAY |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| HW | HOT WATER |
| HWFU HWR | HOT WATER FIXTURE UNIT HOT WATER RETURN |
| пwк IM | I ICE MAKER |
| INV | INVERT ELEVATION |
| LA | LABORATORY AIR |
| LAV | LAVATORY |
| LDR | LEADER |
| MH MA | MANHOLE MEDICAL AIR |
| MC | MECHANICAL CONTRACTOR |
| MR | MOP RECEPTOR |
| (N) | NEW |
| N | NITROGEN |
| NC NO | NORMALLY CLOSED NORMALLY OPEN |
| N ₂ O | NITROUS OXIDE |
| NTS | NOT TO SCALE |
| NP | NON POTABLE |
| 0 ₂ | OXYGEN PLUMPING CONTRACTOR |
| PC PP | PLUMBING CONTRACTOR POLYPROPLYENE |
| PRESS | POLTPROPLIENE PRESSURE |
| PSI | POUNDS PER SQUARE INCH |
| PSIG | POUNDS PER SQUARE INCH GAGE |
| PVC | POLY VINYL CHLORIDE |
| (RL) RWC | RELOCATED ITEM |
| RWC SAN | RAINWATER CONDUCTOR SANITARY |
| SK | SINK |
| S | STACK |
| SHR | SHOWER |
| SS | SERVICE SINK |
| TB TDH | THRUST BLOCK TOTAL DYNAMIC HEAD |
| UR | URINAL |
| V | VENT |
| VAC | VACUUM |
| VIF | VERIFY IN FIELD |
| VTR | VENT THROUGH ROOF |
| W WCO | WASTE WALL CLEANOUT |
| WCO W/ | WALL CLEANOUT WITH |
| w/o | WITH OUT |
| W.C. | WATER COLUMN |
| WC | WATER CLOSET |

| | | PLUMBING LEGEND |
|--|---------------------------------------|--|
| | | COLD WATER PIPING |
| | | HOT WATER PIPING HOT WATER RECIRCULATION PIPING |
| | | SANITARY OR WASTE PIPING |
| | | STORM WATER PIPING |
| | | VENT PIPING |
| | — IW — | INDIRECT WASTE PIPING SPECIAL DIDING SYSTEM (C. A. ETC. LETTER DENOTES SERVICE) |
| | x | SPECIAL PIPING SYSTEM (G, A ETC, LETTER DENOTES SERVICE) PIPING W/ FREEZE PROTECTION |
| | | COLD WATER PIPING (EXISTING) |
| | | HOT WATER PIPING (EXISTING) |
| | | HOT WATER RECIRCULATION PIPING (EXISTING) |
| | | SANITARY OR WASTE PIPING (EXISTING) STORM WATER PIPING (EXISTING) |
| | | VENT PIPING (EXISTING) |
| | IW | INDIRECT WASTE PIPING (EXISTING) |
| | x | EXISTING PIPING (G, CA, ETC. LETTER DENOTES SERVICE) |
| | | CLEANOUT FLOOR CLEANOUT |
| | | CLEANOUT AT GRADE (W/CONC PAD) |
| | | GATE VALVE (IN VERTICAL) |
| | Ē | BALL VALVE |
| | N | CHECK VALVE |
| | <u> </u> | FLOW BALANCING VALVE (HWR SYSTEMS) BUTTERFLY VALVE |
| | Ę | PLUG VALVE |
| | _ ⊯ T T | GLOBE VALVE |
| | ─ BFP | "RPZ" BACKFLOW PREVENTER W/ BALL VALVES DOUBLE CHECK BACKFLOW PREVENTER (BALL VALVES) |
| | | DOUBLE CHECK BACKFLOW PREVENTER (BALL VALVES) DOUBLE CHECK BACKFLOW PREVENTER (GATE VALVES) |
| | ▶ ▼ | GAS COCK |
| | | PRESSURE REGULATING VALVE |
| | | SOLENOID VALVE RELIEF VALVE (PRESSURE & TEMPERATURE) |
| | œ <u> </u> | TRAP |
| | | PIPE DROP |
| | | ELBOW TURNED DOWN ELBOW TURNED UP OR RISER |
| | | PIPE CAP |
| | — <u>,45°</u>)— | 45° OFFSET OR DROP |
| | | STRAINER |
| | | REDUCER (CONCENTRIC / ECCENTRIC) WATER HAMMER ARRESTER |
| | | TRAP PRIMER |
| | ─ ── □ | BOX TYPE HYDRANT (NON FREEZE) |
| | A G CW | FAUCET/NEEDLE VALVE CONNECTION(LETTER DENOTES SERVICE) |
| | े के के के | QUICK DISCONNECT (LETTER DENOTES SERVICE) |
| | — | HOSE BIBB |
| | — — — — — — — — — — — — — — — — — — — | UNION PIPE GUIDE & PIPE ANCHOR |
| | - | PRESSURE GAUGE W/ NEEDLE VALVE |
| | P | THERMOMETER, TEMPERATURE GAUGE |
| | | FLOOR DRAIN |
| | | FLOOR DRAIN W/ FUNNEL ROOF DRAIN |
| | ///// | EXISTING PIPING TO BE REMOVED |
| | → | DIRECTION OF FLOW |
| | • | CONNECT TO EXISTING |
| | \sqrt{x} | EXTENT OF DEMOLITION |
| | No. S | PLUMBING EQUIPMENT DESIGNATOR |
| | | SANITARY STACK NUMBER WASTE STACK NUMBER |
| | | VENT STACK NUMBER |
| | | GAS RISER NUMBER |
| | GW | GREASE WASTE RISER |
| | RWC | DAINWATED CONDUCTOR NUMBER |
| | CW CW | RAINWATER CONDUCTOR NUMBER COLD WATER WATER RISER NUMBER |
| | | HOT WATER RISER NUMBER |
| | | DETAIL DESIGNATION DETAIL NO. |
| | | DWG NO. SECTION DESIGNATION SECTION NO. |
| | | SECTION DESIGNATION SECTION NO. DWG NO. |
| | | |
| | | |



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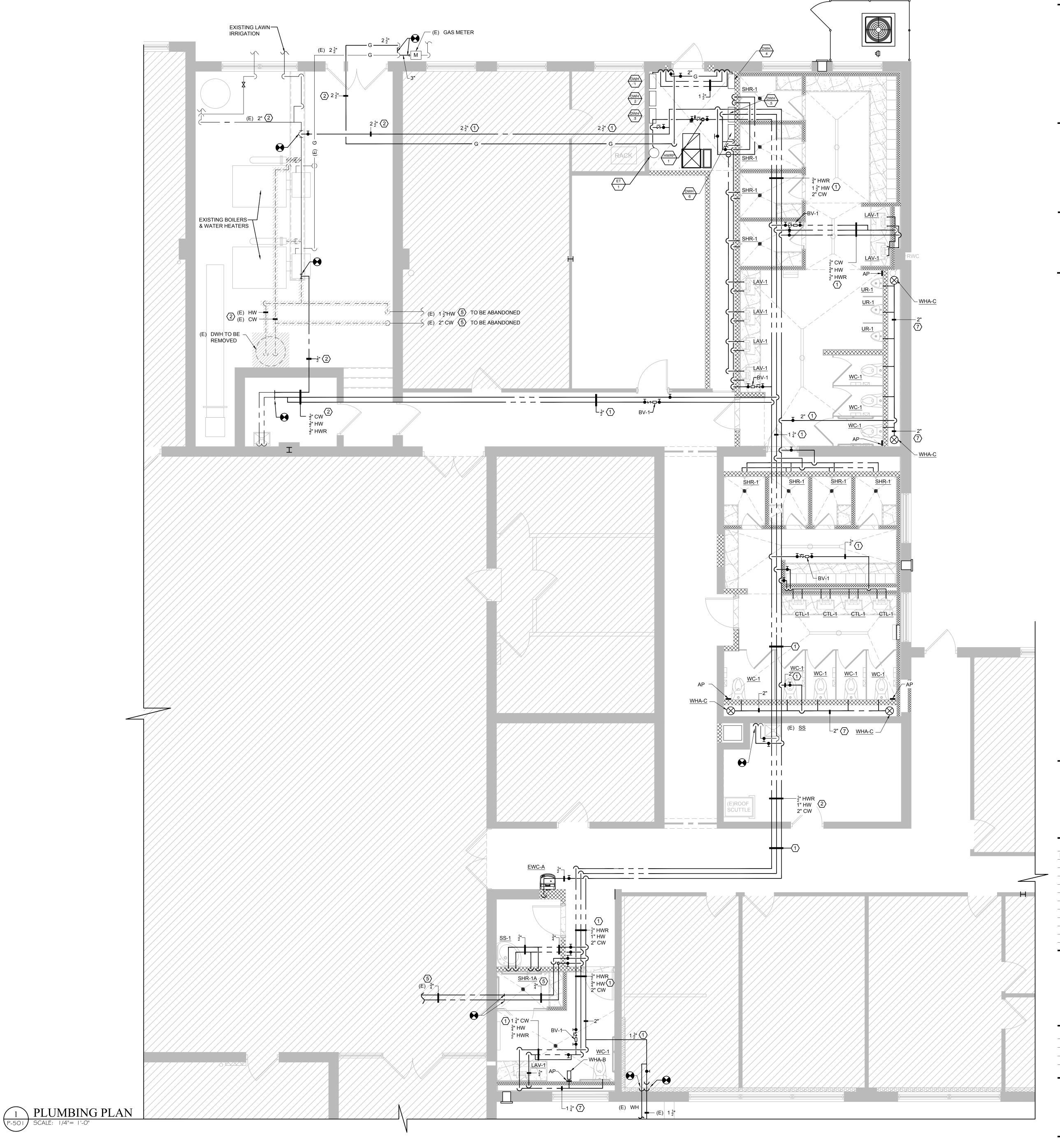
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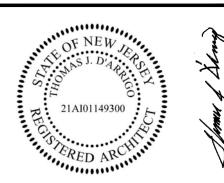
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PLUMBING WATER PIPING PLANS

JOB NO. CM002

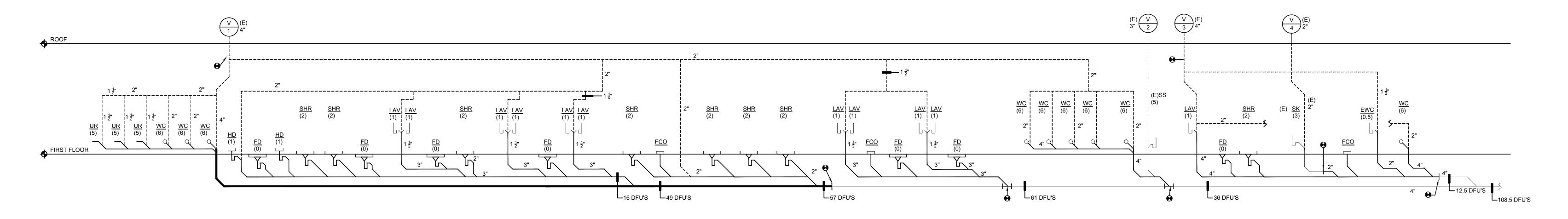
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SCALE AS NOTED

DATE 11/01/2020

P-501



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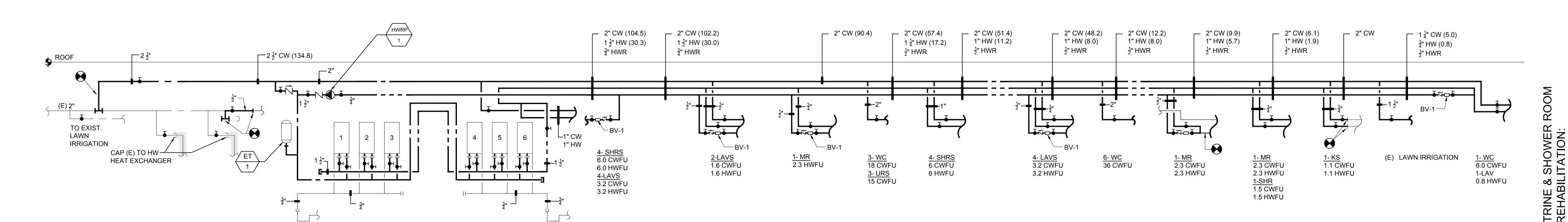
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DO NOT SCALE DRAWING: CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.

THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

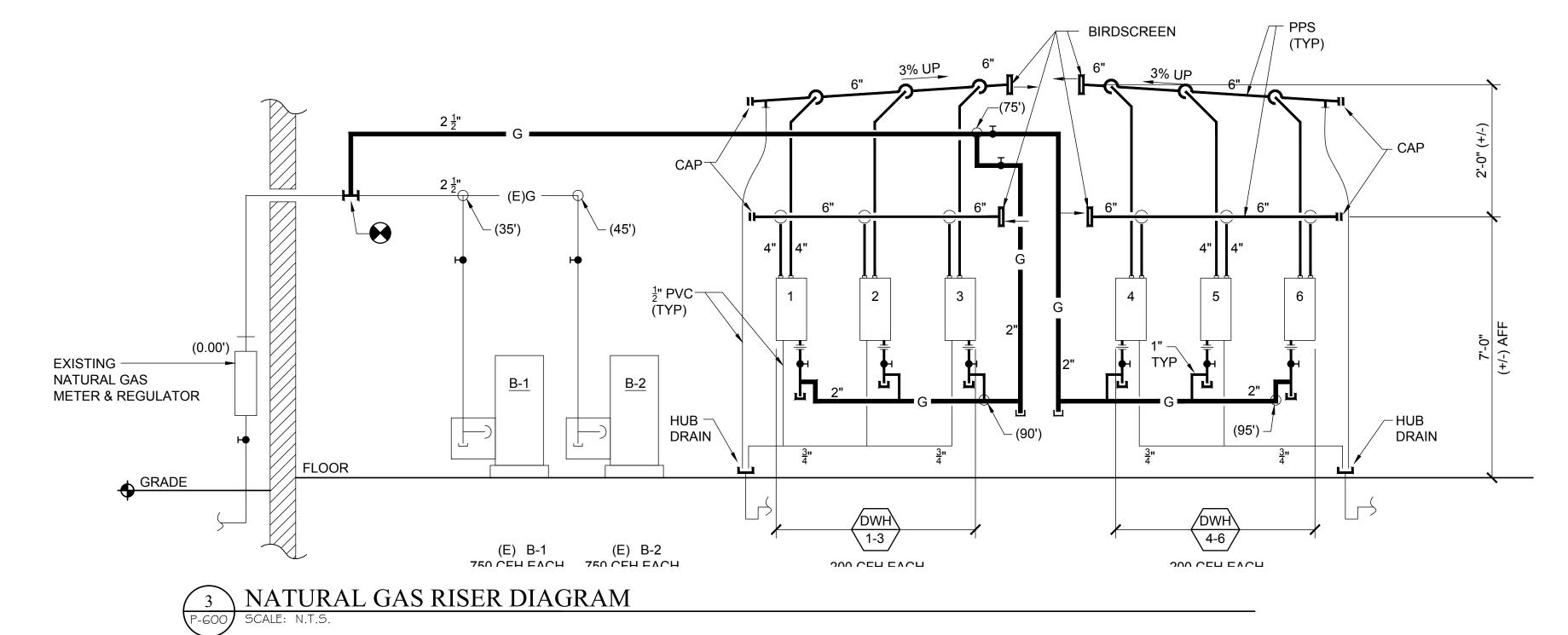
(NJDAMA)

SANITARY RISER DIAGRAM
P-600 SCALE: N.T.S.



DOMESTIC WATER DIAGRAM

P-600 SCALE: N.T.S.



NATURAL GAS
INLET PRESS: 2.0 PSI MAX
PRESS DROP: 0.5
SPEC. GRAV.: 0.60

IFGC

IFGC INTERNATIONAL FUEL GAS CODE IN W.C. 402.4 (2)

PA. License No.

NY. License No.

Delaware License No.

Maryland License No.

NCARB Certification No.

S5-0006396

Maryland License No.

16304

NCARB Certification No.

S1492

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RED ARCHIVE

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REVISIONS:

ISSUE DATE DESCRIPTION

1 8/25/22 BID ISSUE

DRAWING TITLE:

RISER DIAGRAMS

JOB NO. CM002
DRN. BY CD
CHK'D TJD
SCALE AS NOTED
DATE 11/01/2020

P-600

GENERAL NOTES

- SHEET NOTES ELECTRICAL
- I. PROVIDE ALL DEVICES AND ACCESSORIES ETC. WHERE NOTED ON DRAWINGS OR AS DIRECTED BY OWNER.
- 2. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE BUILDING SITE BEFORE INSTALLATION OF HIS WORK.
- 3. ALL CUTTING AND PATCHING SHALL BE DONE BY THIS CONTRACTOR. WHO SHALL PREPARE SHOP DRAWINGS SHOWING LOCATION AND SIZE AND ALL HOLES BEFORE PROCEEDING. ALL PATCHING SHALL MATCH THE ADJACENT SURFACE.
- PLANS AND SPECIFICATIONS.

4. PROVIDE A COMPLETE INSTALLATION INCLUDING DISCONNECT SWITCHES, PULL BOXES, EQUIPMENT AND WIRING AS INDICATED ON

- 5. MATERIALS, WORKMANSHIP AND COMPLETE INSTALLATION SHALL CONFIRM TO THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, STATE, CITY, AND ALL APPLICABLE REGULATIONS. ALL EQUIPMENT SHALL BE U.L. LISTED FOR INTENDED APPLICATION.
- 6. ALL WORK SHALL CONFORM TO HOSPITAL STANDARDS AND SPECIFICATIONS.
- 7. THE ELECTRICAL CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS PRIOR TO BEGINNING WORK. AT THE COMPLETION OF THE JOB, THE ELECTRICAL CONTRACTOR SHALL FURNISH TO THE OWNER AN INSPECTION CERTIFICATE FROM A LICENSED INSPECTION
- 8. TEST EQUIPMENT TO VERIFY THAT ITEMS ARE FREE FROM UNINTENDED GROUNDS, SHORT CIRCUITS, AND OPEN CIRCUITS AND THAT EQUIPMENT WILL OPERATE AS SPECIFIED. FURNISH LABOR AND MATERIAL FOR MAKING SUCH TESTS AND MAKE CORRECTIONS NECESSARY TO OBTAIN PROPER OPERATION...
- 9. CONTRACTOR SHALL SUBMIT, TO THE OWNER FOR REVIEW, MANUFACTURERS CUT FOR ALL EQUIPMENT SPECIFIED. EQUIPMENT CUTS SHALL INDICATE MANUFACTURERS NAME AND MODEL NUMBER.
- IO. ALL BRANCH CIRCUIT WIRING, DEVICES, JUNCTION BOXES, CONDUITS, PANEL BOARDS EQUIPMENT, ETC., SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- II. ALL WIRING SHALL ADHERE STRICTLY TO THE NATIONAL ELECTRIC CODE.
- 12. ALL NORMAL BRANCH WIRING RUN CONCEALED ABOVE SUSPENDED CEILING SHALL BE MC CABLE WITH AN APPROVED RETURN GROUNDING MEANS. ALL CABLE SHALL BE RUN CONCEALED ABOVE CEILING AND BEHIND WALLS. ROMEX SHALL NOT BE USED.
- 13. ALL WIRING RUN EXPOSED SHALL BE EMT, UNLESS OTHER WISE NOTED.
- 14. ALL WIRING SHALL BE SOFT DRAWN COPPER OF 98% CONDUCTIVITY, 600 VOLT RATING, THHN/THWN.
- 15. ALL COMMUNICATIONS CABLE SHALL BE PLENUM RATED, PROVIDE 3/4"C FROM OUTLET TO ABOVE CEILING FOR NEW SIGNAL
- 16. BUSHINGS SHALL BE PROVIDED FOR ALL TERMINATION'S AT PANELS, JUNCTION BOXES, WIRING TROUGHS, EQUIPMENT, ETC.
- 17. ALL CONDUIT AND WIRE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE. CONDUIT AND WIRE SHALL NOT BE SUPPORTED FROM PIPING, DUCTWORK, ETC.
- 18. PROVIDE EACH RACEWAY OR CABLE PASSING THROUGH A MASONRY OR CONCRETE WALL, FLOOR OR PARTITION WITH A SLEEVE MADE FROM STANDARD WEIGHT STEEL PIPE WITH SMOOTH EDGES, SECURELY AND NEATLY CEMENTED IN PLACE.
- 19. WHERE SLEEVES OR CONDUIT PENETRATE FIRE RATED WALLS, FLOORS, PARTITIONS OR SLABS, FILL AND SEAL WITH FIRE SEALANT CREATING A FIRE STOP EQUAL TO OR EXCEEDING FIRE RATING OF CONSTRUCTION MATERIAL BEING PENETRATED. FIRE SEALANT SHALL PREVENT SPREAD OF FLAME. SMOKE. AIR AND WATER AND SHALL PASS 3 HOUR TEST PER ASTM E814 AND UL 1479. FIRE SEALANT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 20. PULL AND JUNCTION BOXES SHALL BE CODE GAUGE ZINC COATED SHEET STEEL CONFORMING TO THE NATIONAL ELECTRIC CODE AND AS REQUIRED TO FACILITATE INSTALLATION OF WIRES WITHOUT SHARP BENDS AND CROWDING CONDUCTORS AGAINST SIDES OR COVER. USE SCREW-ON AND/OR HINGED COVERS.
- 2 I . MOTOR AND CIRCUIT DISCONNECTS MEANS SHALL BE A HORSEPOWER RATED SAFETY SWITCH OR A CIRCUIT BREAKER. EACH SIZED FOR THE APPLIED LOAD AND SYSTEM VOLTAGE HAVING AN INTERRUPTING CAPACITY NOT LESS THAN MAXIMUM AVAILABLE SHORT-CIRCUIT CURRENT ON WHICH APPLIED. DISCONNECTS SHALL BE SIZED IN ACCORDANCE WITH NEC AND NEMA REQUIREMENTS. SAFETY SWITCHES SHALL BE CARTRIDGE FUSE TYPE OR UNFUSED, AS REQUIRED.
- 22. SPLICING SHALL BE WITHIN OUTLET BOXES OR JUNCTION BOXES. NO SPLICING SHALL BE PERMITTED IN MAINS OR FEEDERS.
- 23. WHEN OVERSIZED CONDUCTORS ARE INSTALLED, AND CONDUCTORS DO NOT FIT PROPERLY INTO THE DISTRIBUTION OF UTILIZATION EQUIPMENT PROVIDE JUNCTION BOX ADJACENT TO EQUIPMENT FOR TAP CHANGE OF CONDUCTOR SIZE FROM THE JUNCTION BOX TO THE EQUIPMENT TAP CONDUCTOR SHALL BE AS LARGE AS POSSIBLE, AND IN NO CASE SHALL ITS CURRENT CARRYING CAPACITY BE LESS THAN THAT REQUIRED BY THE NEC.
- 24. WIRES WITHIN EQUIPMENT, SUCH AS PANEL BOARDS, SHALL BE NEATLY ARRANGED

OF RACEWAYS HAS BEEN COMPLETED.

- 25. ALL BRANCH CIRCUIT CONDUITS SHALL CONTAIN NOT MORE THAN ONE CONDUCTOR OF EACH PHASE (A, B, C) AND NEUTRAL CONDUCTOR, ONE EQUIPMENT GROUNDING CONDUCTOR, AND ASSOCIATED SWITCH OR CONTROL WIRING, UNLESS INDICATED OTHERWISE.
- 26. RACEWAYS INSTALLED EXPOSED OR IN ACCESSIBLE SPACES SHALL BE PLACED AT RIGHT ANGLES TO OR PARALLEL WITH THE BUILDING WALLS AND CEILINGS.
- 27. CONDUITS SHALL BE INSTALLED WITH A MINIMUM SEPARATION OF 6 INCHES BETWEEN ELECTRICAL RACEWAYS AND WATER OR STEAM LINES. WHEN INSTALLED AT CLOSER DISTANCE, PROVIDE INSULATING PIPE COVERING ON THE WATER AND STEAM LINES.
- 28. PROVIDE EXPANSION FITTING WITH BONDING STRAPS WHERE RACEWAYS PASS THROUGH EXPANSION JOINTS. FITTING SHALL PERMIT CONSTRUCTION MOVEMENT IN ANY DIRECTION WITHOUT
- 29. WHERE CONDUIT TERMINATES IN A CABINET, BOX OR AUXILIARY GUTTER, THE CONDUCTORS SHALL BE PROTECTED BY AN INSULATING BUSHING. LOCKNUTS SHALL BE PROVIDED BOTH INSIDE
- 30. SWAB OUT AND MAKE RACEWAYS DRY. DO NOT INSTALL WIRE UNTIL THE AREA IS PROTECTED FROM THE WEATHER AND SWABBING
- 31. EACH JUNCTION OR PULL BOX INSTALLED IN BUILDINGS SHALL BE PERMANENTLY LABELED IN WORDS WITH LETTERS AT LEAST ONE INCH HIGH IDENTIFYING EACH SEPARATE SERVICE IN THE BOX.

SHEET NOTES - FIRE ALARM

COST.

- I. DOCUMENTS SHOW GENERAL LOCATIONS F ACTIVATION \$ ANNUNCIATION DEVICES. CONTRACTOR SHALL COORDINATE WITH BASE BUILDING FIRE ALARM VENDOR FOR ALL SYSTEM ADDITIONS, UPGRADES, ETC. WHICH MAY BE REQUIRED 2. BUT MAY NOT BE FULLY REPRESENTED IN THESE PLANS. REFER TO SPECIFICATION SECTIONS FOR CONTRACTOR/ VENDOR DESIGN BUILD REQUIREMENTS.
- 3. CONTRACTOR SHALL NOT REMOVE ANY EXISTING BASE BUILDING FIRE ALARM DEVICE WITHOUT PRIOR APPROVAL BY THE OWNER.
- 4. MAINTAIN HE OPERATION OF THE EXISTING FIRE ALARM SYSTEM AND WIRING. IF DEVICES ARE REMOVED DURING DEMOLITION OR CONSTRUCTION THEY MUST BE COMPLETELY FUNCTIONAL PRIOR TO TENANT OCCUPANCY. COORDINATE NEW INSTALLATION WITH THE OWNER.
- 5. ALL FIRE ALARM DEVICES & EQUIPMENT MUST BE BS&A AND M.E.A. APPROVED AND SHALL BE COMPATIBLE WITH BASE BUILDING FIRE ALARM SYSTEM AND SHALL MATCH BUILDING STANDARDS. COORDINATE WITH BUILDING FIRE ALARM VENDOR. STROBES \$ SPEAKER/STROBES SHALL HAVE WHITE FINISH, COORDINATE WITH ARCHITECT.
- 6. LOCATIONS OF ALL DEVICES REQUIRE ARCHITECT'S/ ENGINEER'S APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL LOCATE ALL DEVICES IN FIELD & OBTAIN ARCHITECT SIGN OFF PRIOR TO INSTALLATION OF ANY ROUGHING DEVICE. ANY DEVICES INSTALLED WITHOUT ARCHITECT'S APPROVAL THAT ARCHITECT/ENGINEER REQUESTS TO BE RELOCATED, SHALL BE MOVED AT NO ADDITIONAL
- 7. DEVICES SHALL BE ALTERNATELY WIRED THROUGHOUT FLOORS O HAT NO TWO DEVICES, ADJACENT TO EACH OTHER IN A GIVEN FIELD OF VIEW SHALL BE IN THE SAME CIRCUIT.
- 8. PROVIDE ALL NEW FIRE ALARM CABLING FOR ALL RELOCATED DEVICES.
- 9. ALL FIRE ALARM CABLING, PASSING THRU NON RATED SHEETROCK WALLS, SHALL PASS THRU WALL INDEPENDENT OF DUCTS, MC CABLING, SECURITY CABLING, ETC. FIRE ALARM CABLING SHALL NOT TOUCH ANY OTHER SERVICE WHILE PASSING THRU WALLS. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT SLEEVES FOR ALL CABLING PASSING THRU SHEETROCK WALLS.
- 10. THE PROJECT ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE WITH THE BUILDING FIRE ALARM SYSTEM VENDOR. ALL NEW FIRE ALARM DEVICES TO BE USED SHALL BE COMPATIBLE WITH THE EXISTING BUILDING SYSTEM. INSTALLATION STANDARDS SHALL BE CONSISTENT WITH THE EXISTING BUILDING FIRE ALARM INSTALLATION.
- II. THESE PLANS AND THE FIRE ALARM RISER DIAGRAM SHOWN ARE FOR GENERAL ARRANGEMENT AND SHALL BE USED FOR ESTIMATING ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND OBTAIN POINT TO POINT WIRING DIAGRAM FROM BUILDING FIRE ALARM VENDOR PRIOR TO INSTALLATION THAT IS CONSISTENT WITH LOCAL FIRE MARSHAL'S OFFICE REQUIREMENTS.
- 12. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE AND COORDINATE ALL SERVICES WITH THE BASE BUILDING FIRE ALARM VENDOR TO DEVELOP AND DESIGN A CODE COMPLIANT, FULLY FUNCTIONAL FIRE ALARM SYSTEM, AND THE DESIGN DOCUMENTS INDICATE GENERAL INTENT OF AUDIO, VISUAL, AND ACTIVATION DEVICES. CONTRACTOR SHALL INCLUDE IN HEIR BID ALL DEVICES REQUIRED BY LOCAL FIRE ALARM INSPECTORS INCLUDING, BUT NOT LIMITED TO SMOKE DETECTORS, PULL STATIONS, WARDEN STATIONS, INTERFACE RELAYS, CONTROL PANELS, POWER BOOSTER PANELS, ETC. CONTRACTOR AND VENDOR SHALL ALSO INCLUDE ALL COMPONENTS TO UPGRADE THE EXISTING BASE BUILDING SYSTEM EXPANSION INCLUDING, BUT NOT LIMITED TO, RELAY CARDS, STROBE CONTROL PANELS, AMPLIFIERS, ETC.
- 13. ALL PROGRAMMING MUST BE PERFORMED BY THE BASE BUILDING FIRE ALARM VENDOR. ALL FINAL TERMINATIONS MUST BE SUPERVISED (AS A MINIMUM) BY A FIRE ALARM VENDOR TECHNICIAN. THE ELECTRICAL CONTRACTOR SHALL INCLUDE THE BUILDING FIRE ALARM VENDORS SERVICES N THE SCOPE OF CONTRACT WORK.
- 14. SUBMISSION OF BID ACKNOWLEDGES THAT ELECTRICAL CONTRACTOR HAS CONTACTED THE BASE BUILDING VENDOR ND HAS INCLUDED ALL COMPONENTS FOR A CODE COMPLIANT SYSTEM. ADDITIONAL CLAIMS OR CHANGES IN VENDOR SCOPE OR ADDITIONAL DEVICES/ COMPONENTS, UNLESS INITIATED BY TENANT, WILL NOT BE ACCEPTED.
- 15. ALL COST ASSOCIATED WITH CONNECTIONS AND REPROGRAMMING OF THE EXISTING FIRE ALARM SYSTEM TO BE AID BY THIS CONTRACTOR ARE INCLUDED IN THE BASE BID.
- I 6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FILING DRAWINGS ND NECESSARY DOCUMENTATION INCLUDING CATALOG CUTS AND BATTERY CALCULATIONS FOR PERMIT PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS. INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT. WHEN REQUIRED. THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO SIGN AND SEAL THE DOCUMENTS.
- 17. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND PROTECT ALL FIRE ALARM SPEAKERS, SMOKE DETECTORS, FIRE WARDEN STATIONS AND OTHER FIRE ALARM SAFETY DEVICES IN OPERATION AT ALL TIMES. IF ANY PORTION OF THE FIRE ALARM SYSTEM IS DISABLED. NOTIFY BUILDING MANAGER IMMEDIATELY.
- 18. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN OPERATION OF ALL EXISTING FIRE ALARM DEVICES AT ALL TIMES DURING CONSTRUCTION.
- 19. ALL EQUIPMENT SHALL BE UL LISTED, MEET REQUIREMENTS OF NFPA 72 AND 90A, ALL APPLICABLE CODES AND LOCAL LAWS, AND BE INSTALLED AND CONNECTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. ALL FINAL CONNECTIONS TO BE MADE BY THIS CONTRACTOR WITH THE APPROVAL AND SUPERVISION OF THE BASE BUILDING FIRE ALARM SYSTEM VENDOR.
- 20. ALL WIRING INCLUDING GROUNDING SHALL BE INSTALLED ACCORDING TO HE LATEST VERSION F THE NATIONAL ELECTRICAL CODE.
- 21. ALL FIRE ALARM CABLE SHALL BE RUN PARALLEL AND PERPENDICULAR- NO DIAGONAL RUNS. SUPPORTS SHALL BE PROVIDED EVERY 5'-O" ON CENTER.
- 22. "T" TAPPING OR SPLICING IS NOT ALLOWED.
- 23. SPEAKER/STROBE UNITS SHALL NOT HAVE ANY OTHER DEVICES OR APPARATUS WITHIN FIVE (5) FEET OF DEVICE.
- 24. STROBES SHALL BE WIRED SO THAT THEY REMAIN ACTIVE AFTER SILENCE FUNCTION IS PERFORMED.
- 26. INSTALL SMOKE DETECTORS MINIMUM OF 3'-0" FROM ANY SUPPLY OR RETURN OPENING.
- 27. AFTER THE SYSTEM MODIFICATIONS ARE COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE I INSPECTION.

LIGHT TRACK W/FIXTURES TYPE AND LENGTH AS INDICATED ON DWGS

INDICATES MANUAL MOTOR STARTER W/ THERMAL OVERLOAD PROTECTION

INDICATES MANUAL MOTOR STARTER W/O THERMAL OVERLOAD PROTECTION

DUAL TECHNOLOGY OCCUPANCY SENSOR HUBBELL CAT#LightHAWK LHMTS

DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A/B SWITCHING

DUPLEX RECEPTACLE 20A-125V GROUNDING TYPE MTD 18" UON

FLUSH MTD FLOOR OUTLET WITH DUPLEX RECEPTACLE 20A-125V UON

SINGLE POLE SWITCH 20A-125V MTD 48" AFF LOWER CASE

SINGLE POLE TOGGLE SWITCH

INDICATES DIMMER SWITCH

DOOR POSITION SWITCH

PHOTO CELL CONTROL

TIME CLOCK

CONTACTOR

MTD 18" UON

RELAY

R

—— WM ——

INDICATES KEY-OPERATED TUMBLER SWITCH

HUBBELL CAT# Hubbell LightHAWK LHMTD2

INDICATES EXPLOSION—PROOF SWITCHING DEVICE

(*) = CHILD PROOF RECEPT G.E. TYPE 'GE8300'

GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE

SURGE PROTECTION TYPE WITH ISOLATED

GROUND. (P & S #IG 6362 ISP)

SINGLE SPECIAL PURPOSE OUTLET

SHALL BE INCLUDED AS NEEDED

FUSED DISCONNECT SWITCH

MAGNETIC MOTOR STARTER

DEVICE REFER TO ARCHITECTS DWGS

JUNCTION BOX

----EQUIPMENT LABEL

1—IDENTIFICATION NUMBER

WIREMOLD SIZE AS INDICATED ON DWGS

COMBINATION STARTER/DISCONNECT SWITCH

INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR

INDICATES MOUNTING HEIGHT OTHER THAN STANDARD

DEDICATED RECEPTACLE W/ ISOLATION GREEN GROUND

QUADRUPLEX RECEPTACLE 20A-125V GROUNDING TYPE

PROVIDE NEMA CONFIGURATION AS REQUIRED BY EQUIPMENT

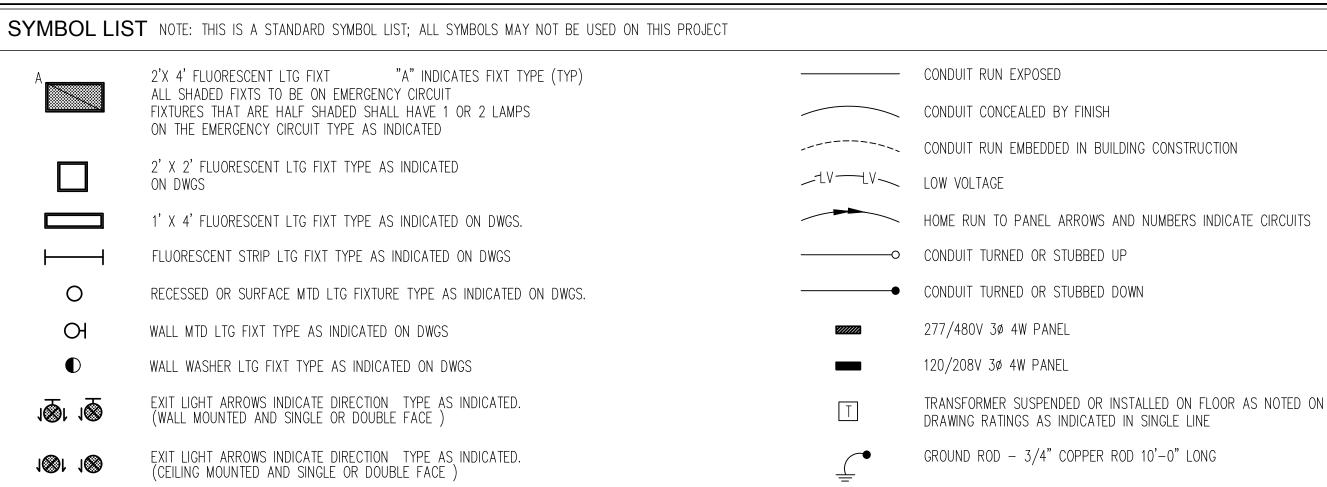
MOTOR RATING IS INDICATED ON DRAWING ALL NECESSARY DISC

DISCONNECT SWITCH RATING AND TYPE AS REQUIRED BY NEC

THREE-WAY SWITCH

FOUR-WAY SWITCH

LETTERS INDICATE FIXT TO BE CONTROLLED (GANGED SWITCHES)

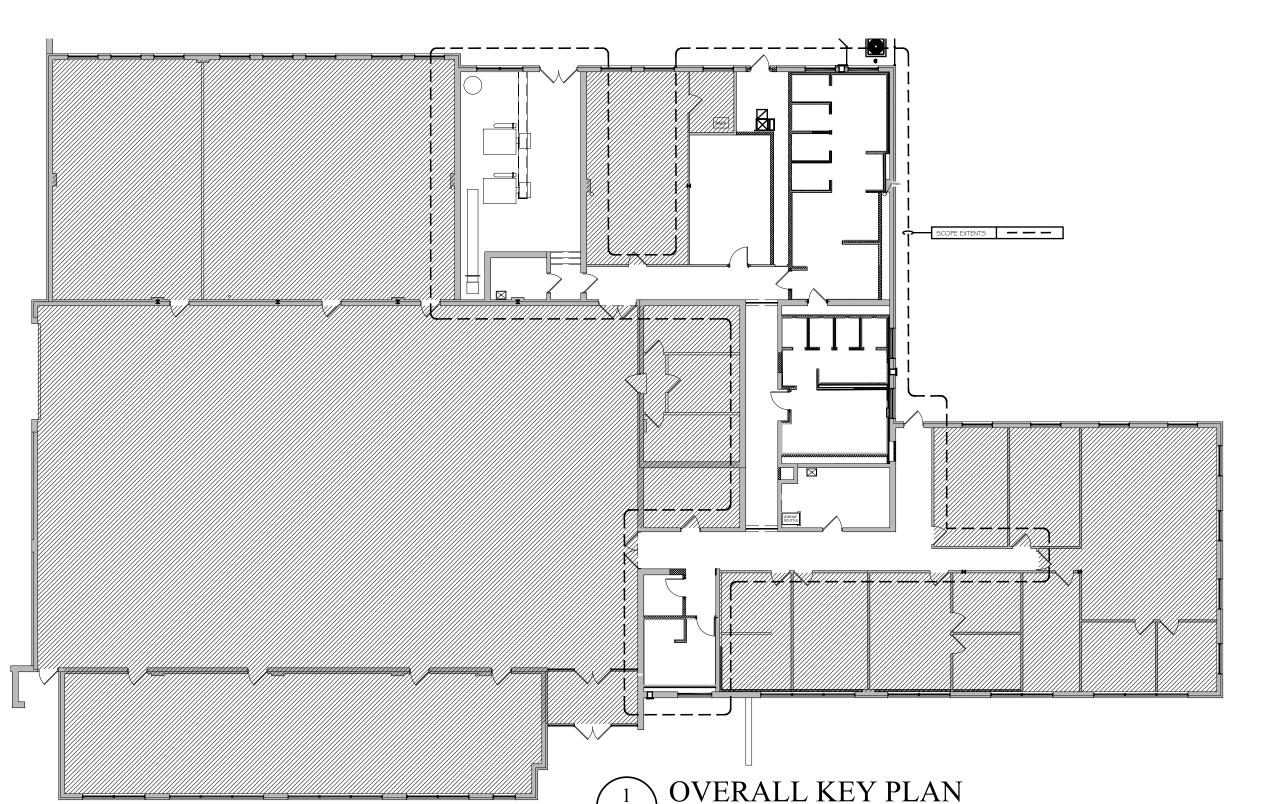


COMMUNICATIONS SYSTEMS

- EMPTY 1" CONDUIT W/COVER PLATE FOR CRT OR CABLE TV SYSTEMS
- TELEPHONE OUTLET, "W" INDICATES WALL MOUNT PS" INDICATES PAY STATION "HC" INDICATES HANDICAPPED
- STAFF STATION TELEPHONE OUTLET "A" INDICATES ADMINISTRATIVE
- RECESSED MOUNTED CLOCK/SPEAKER & WALL MTD STAFF STA TELE. (R = INDICATES RECESSED S = INDICATES SURFACE)
- SPEAKER CEILING OR WALL MOUNTED (W = INDICATES RECESSED WALL MTD IN WEATHERPROOF ENCLOSURE S = SURFACE MTD CANNISTER TYPE T= TRUMPET COLUMN TYPE)
- SPEAKER VOLUME CONTROL
- MICROPHONE OUTLET F = FLOOR
- TELEVISION OUTLET WITH 20A-125V RECEPTACLE
- CLOCK WITH POWER OUTLET AS REQUIRED
- PRIVACY SWITCH PRESS TO TALK
- PRINTER OUTLET
- COMPUTER CONNECTION 1" C STUB INTO ACESSIBLE CEILING SPACE
- RECESSED FLOOR BOX W/DEVICES AS SHOWN BY INDEPENDANT SYMBOLS SEE DWGS
- DOOR BELL SYSTEM = PUSHBUTTON TRANSFORMER & BELL
- INTERCOM STATION
- FIRE ALARM
- MANUAL PULL STATION MTD 48" AFF
- AUDIO/VISUAL FIRE ALARM SIGNAL
- VISUAL FIRE ALARM SIGNAL ONLY F= INDICATES RECESSED 4" SPEAKER FOR VOICE EVACUATION
- T= INDICATES WALL MOUNTED TRUMPET SPEAKER FOR VOICE EVAC WP= INDICATES WEATHERPROOF SPEAKE4R FOR VOICE EVACUATION
- SMOKE DETECTOR (PHOTOELECTRIC UON) D= INDICATES DUCT SMOKE DETECTOR I= INDICATES IONIZATION SMOKE DETECTOR
- L= INDICATES LINEAR BEAM SMOKE DETECTOR HEAT DETECTOR 135* (FIXED TEMPERATURE UON)
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM GRAPHIC ANNUNICATOR PANEL TAMPER SWITCH (SPRINKLER)
- FLOW SWITCH (SPRINKLER)
- MAGNETIC DOOR HOLDER
- PRESSURE SWITCH (SPRINKLER)
- 'A' = FIXTURE TYPE

FIRE FIGHTER PHONE JACK

- 'A' = FIXTURE TYPE
- CEILING MOUNTED EMERGENCY LIGHT & EXIST COMBINATION- DIRECTIONAL ARROWS WHERE INDICATED SHADED AREAS INDICATE 'A' = FIXTURE TYPE
- WALL MOUNTED EMERGENCY LIGHT & EXIST COMBINATION- DIRECTIONAL 'A' = FIXTURE TYPE



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13208-B

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REVISIONS: ISSUE DATE DESCRIPTION 8/25/22 | BID ISSUE ____ DRAWING TITLE:

> ELECTRICAL NOTES/ SYMBOLS

JOB NO. CM002 DRN. BY CD CHK'D TJD SCALE AS NOTED DATE 11/01/2020

E-100



FIXTURE MOUNTING FINISH WATTAGE COLOR VOLTAGE RATING HEIGHT

120 V/ 277 V INTEGRATED LED ALUMINUM (1500 LUMENS) 120 V BRONZE (1800 LUMENS) HLB3S-05-940-1E-MW WHITE (500 LUMENS) 4,000 K WET & DAMP WHITE 120 V/ 277 V DRIVER INDOOR/ DAMP W/ 0-10V DIMMING 120 V/ 277 V DRIVER W/ 0-10V DIMMING INDOOR/ DAMP REFER TO DETAILS 2 AND WHITE 3 THIS DRAWING FOR ADDITIONAL WIRING

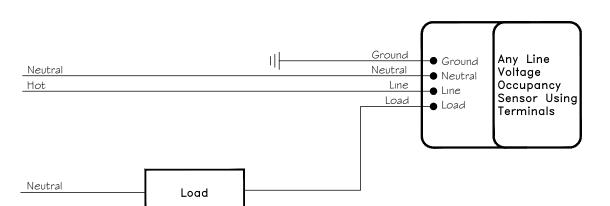
| MARK | TYPE | MANUFACTURER | MODEL # | MOUNTING HEIGHT | POWER REQUIREMENTS |
|------------|--|----------------------|---|--------------------|--|
| (F) | AUDIO/ VISUAL FIRE ALARM SIGNAL COMBINATION FIRE ALARM HORN & STROBE LIGHT UNIT | FCI | COMPATIBLE WITH EXISTING FACP IN BOILER ROOM | WALL | PROVIDE EXTENDER PANEL (IF REQUIRED) |
| Ē | VISUAL FIRE ALARM SIGNAL VISUAL SIGNAL ONLY | FCI | COMPATIBLE WITH EXISTING FACP IN BOILER ROOM | WALL | PROVIDE EXTENDER PANEL (IF REQUIRED) |
| F | MANUAL PULLSTATION | FCI | COMPATIBLE WITH EXISTING FACP IN BOILER ROOM | WALL | |
| H | FIXED TEMPERATURE HEAT DETECTOR | FCI | COMPATIBLE WITH EXISTING FACP IN BOILER ROOM | CEILING MOUNT | |
| (S) | PHOTOELECTRIC SMOKE DETECTOR | FCI | COMPATIBLE WITH EXISTING FACP IN BOILER ROOM | CEILING MOUNT | |
| EX-1a' | CEILING MOUNTED EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES 'A' = FIXTURE TYPE | ATLITE AUX SERIES | SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS | CEILING MOUNT | DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL |
| 'EX-1b' | WALL MOUNTED EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES 'A' = FIXTURE TYPE | ATLITE AUX SERIES | SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS | WALL MOUNT | DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL |
| 'EX-2a' | CEILING MOUNTED EMERGENCY LIGHT & EXIST COMBINATION- DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES 'A' = FIXTURE TYPE | ATLITE AUX SERIES | SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS ACCESSORIES: AUXFAI (FIRE ALARM INTERFACE MODULE) | WALL MOUNT | DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL |
| 'EX-2b' | WALL MOUNTED EMERGENCY LIGHT & EXIST COMBINATION- DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES 'A' = FIXTURE TYPE | ATLITE AUX SERIES | SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS ACCESSORIES: AUXFAI (FIRE ALARM INTERFACE MODULE) | WALL MOUNT | DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL |

Note:

Maximum number of sensors per power pack depends on the model of sensor.

See the product data sheet to deter—mine the specific current consumption of each sensor.

2 OCCUPANCY SENSOR A SCHEMATIC
E-200 SCALE: NONE



B OCCUPANCY SENSOR B SCHEMATIC

E-200 SCALE: NONE

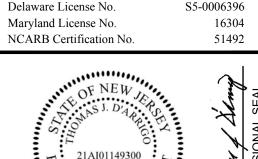
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REVISIONS:

ISSUE DATE DESCRIPTION 8/25/22 BID ISSUE

DRAWING TITLE:

ELECTRICAL LIGHTING PLAN & SCHEDULE

JOB NO. CM002 DRN. BY CD CHK'D TJD SCALE AS NOTED DATE 11/01/2020

E-200



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DRAWING TITLE:

ELECTRICAL POWER PLANS

JOB NO. CM002

DRN. BY CD

CHK'D TJD

SCALE AS NOTED

DATE 11/01/2020

E-201

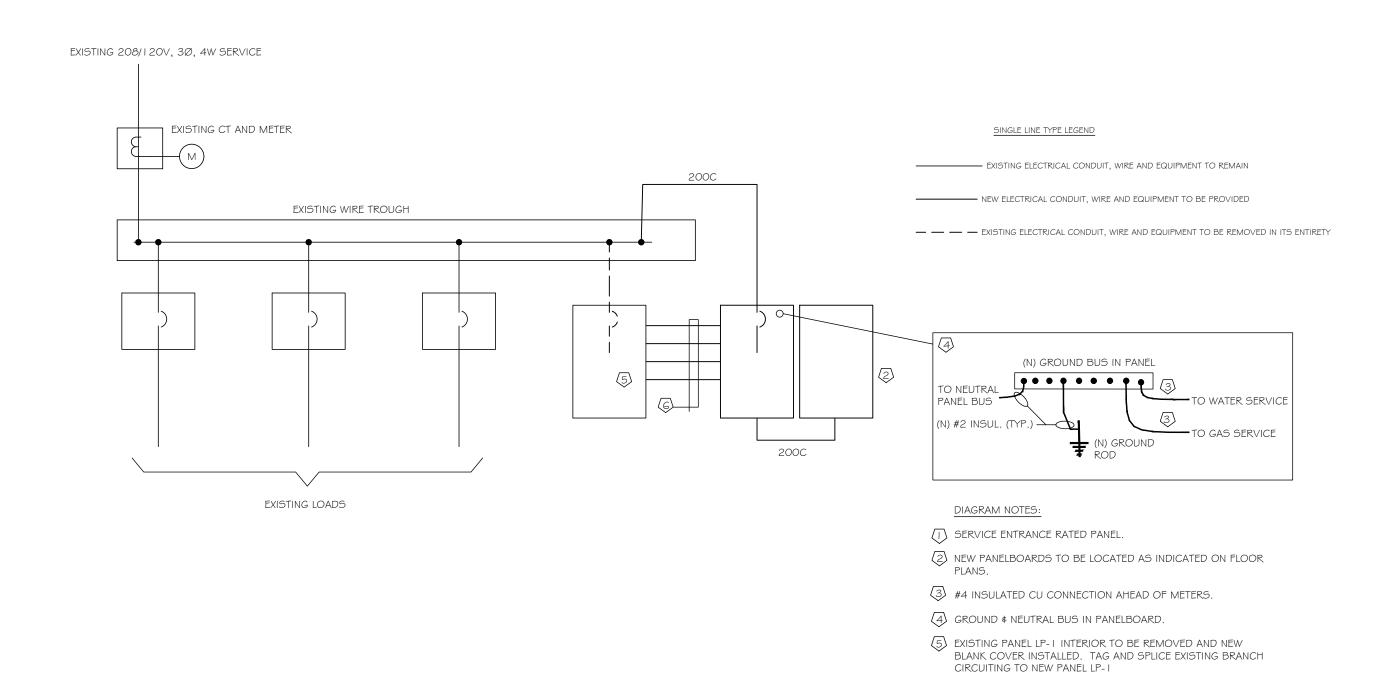
| | WIRE AND C | ONDUIT SIZIN | G SCHEDULE | | | | | | |
|------|------------------------------|--------------|---------------------------------------|---------------|---------------|--|--|--|--|
| | Wire Size (AW | VG/KCMIL) | No. of Wires & Conduit Size in Inches | | | | | | |
| AMPS | CONDUCTOR PHASE & NEUTRAL | GROUND | A 1PH,2W+G | B 3PH,3W+G | C 3PH,4W+G | | | | |
| 20 | 12 | 12 | 3/4 | 3/4 | 3/4 | | | | |
| 30 | 10 | 10 | 3/4 | 3/4 | 3/4 | | | | |
| 50 | 8 | 10 | 3/4 | 1 | 1 | | | | |
| 60 | 4 | 10 | 1 | 1 1/4 | 1 1/4 | | | | |
| 70 | 4 | 8 | 1 | 1 1/4 | 1 1/4 | | | | |
| 80 | 3 | 8 | 1 1/4 | 1 1/4 | 1 1/4 | | | | |
| 90 | 2 | 8 | 1 1/4 | 1 1/4 | 1 1/4 | | | | |
| 100 | 1 | 8 | 1 1/4 | 1½ | 1½ | | | | |
| 125 | 1 | 6 | 1 1/4 | 1½ | 1½ | | | | |
| 150 | 1/0 | 6 | 1½ | 2 | 2 | | | | |
| 175 | 2/0 | 6 | 1½ | 2 | 2 | | | | |
| 200 | 3,/0 | 6 | 2 | 2 | 2 | | | | |
| 225 | 4/0 | 4 | 2 | 2½ | 2½ | | | | |
| 250 | 250 | 4 | 2½ | 2½ | 2½ | | | | |
| 275 | 300 | 4 | 2½ | 2.1/2 | 2½ | | | | |
| 300 | 350 | 4 | 2½ | 3 | 3 | | | | |
| 325 | 400 | 3 | 3 | 3 | 3 | | | | |
| 400 | 600 | 3 | 3 | 4 | 4 | | | | |
| 450 | (2) 4/0 | (2) 2 | | (2) 2 | (2) 2½ | | | | |
| 500 | (2) 250 | (2) 2 | | (2) 2½ | (2) 2½ | | | | |
| 600 | (2) 350 | (2) 1 | | (2) 3 | (2) 3 | | | | |

NOTES: 1. THE ABOVE SCHEDULE IS BASED ON 600 VOLT WIRE TYPE THWN/XHHW AND EMT/RGS CONDUIT 2. MC CABLE SHALL BE USED WHEN CONCEALED ABOVE CEILING OR WALLS. RGS TO BE USED WHEN RUN EXPOSED.



| | LP-1 208/120V, 3 PHASE, 4 WIRE | | | | | | | | | | | | 200 10,000 | |
|-----|--|-----------|-----|---------|------|--------------|---|--------|---------|-----|------|------|--|--------|
| | | | | | | | | | | | | | BOILER | RO |
| CKT | T DESCRIPTION | WIRE | | KVA | | СВ | | СВ | | KVA | | WIRE | DESCRIPTION | С |
| *1 | EXIST'G LOAD FROM ORIG LP-1 | 20a | 0.5 | | | 20/1 | Α | 30/3 | 0.0 | | | | INTERNAL SURGE PROTECTION | |
| *3 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | 0.5 | | 20/1 | В | | | 0.0 | | | | |
| *5 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | | 0.5 | 20/1 | С | | | | 0.0 | | | |
| *7 | EXIST'G LOAD FROM ORIG LP-1 | 20A | 0.5 | | | 20/1 | Α | 20/1 | 0.5 | | | 20A | EXIST'G LOAD FROM ORIG LP-1 | , |
| *9 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | 0.5 | | 20/1 | В | 20/1 | | 0.5 | | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *11 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | | 0.5 | 20/1 | С | 20/1 | | | 0.5 | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *13 | EXIST'G LOAD FROM ORIG LP-1 | 20A | 0.5 | | | 20/1 | Α | 20/1 | 0.5 | | | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *15 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | 0.5 | | 20/1 | В | 20/1 | | 0.5 | | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *17 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | | 0.5 | 20/1 | С | 20/1 | | | 0.5 | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *19 | EXIST'G LOAD FROM ORIG LP-1 | 20A | 0.5 | | | 20/1 | Α | 20/1 | 0.5 | | | 20A | EXIST'G LOAD FROM ORIG LP-1 | *: |
| *21 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | 0.5 | | 20/1 | В | 20/1 | | 0.5 | | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *23 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | | 0.5 | 20/1 | С | 20/1 | | | 0.5 | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *25 | EXIST'G LOAD FROM ORIG LP-1 | 20A | 0.5 | | | 20/1 | Α | 20/1 | 0.5 | | | 20A | EXIST'G LOAD FROM ORIG LP-1 | *: |
| *27 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | 0.5 | | 20/1 | В | 20/1 | | 0.5 | | 20A | EXIST'G LOAD FROM ORIG LP-1 | * |
| *29 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | | 0.5 | 20/1 | С | 20/1 | | | 0.5 | 20A | EXIST'G LOAD FROM ORIG LP-1 | *: |
| *31 | EXIST'G LOAD FROM ORIG LP-1 | 20A | 0.5 | | | 20/1 | Α | 20/1 | 0.5 | | | 20A | EXIST'G LOAD FROM ORIG LP-1 | *: |
| *33 | EXIST'G LOAD FROM ORIG LP-1 | 30B | | 2.0 | | 30/2 | В | 20/1 | | 0.5 | | 20A | EXIST'G LOAD FROM ORIG LP-1 | *: |
| *35 | 5 | | | | 2.0 | | С | 20/1 | | | 0.5 | 20A | EXIST'G LOAD FROM ORIG LP-1 | *: |
| *37 | EXIST'G LOAD FROM ORIG LP-1 | 20A | 0.5 | | | 20/1 | Α | 20/1 | 0.5 | | | 20A | EXIST'G LOAD FROM ORIG LP-1 | *: |
| *39 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | 0.5 | | 20/1 | В | 20/1 | | 0.5 | | 20A | EXIST'G LOAD FROM ORIG LP-1 | *, |
| *41 | EXIST'G LOAD FROM ORIG LP-1 | 20A | | | 0.5 | 20/1 | С | 20/1 | | | 0.5 | 20A | EXIST'G LOAD FROM ORIG LP-1 | *, |
| | | | 3.5 | 5.0 | 5.0 | | | | 3.0 | 3.0 | 3.0 | | | |
| es: | | , | | • | | ı | | | | • | | | Accessories: | |
| EXS | SITING EXISTING BRANCH CIRCUITS | | Co | nnected | | | | Demand | d | | | | Surface | |
| | REMAIN AND BE EXTENDED TO NEW | Lighting | | 0.0 | 0.0 | | | | | | | | Internal Surge Protection | 1 |
| 1 | NEL BOARD. PRIOR TO DEMOLITION | Appliand | | 13.3 | 13.3 | | | | Phase A | | 17.0 | | Door-in-Door | |
| | NFIRM EXSITING WIRE SIZE AND | A/C 5.0 | | | 5.0 | Phase B 17.6 | | | | | | | Service Entrance Rated | |
| BRA | ANCH CIRCUIT BREAKER SIZES AND | Heating | | 0.0 | 0.0 | | | | Phase C | | 16.8 | | Provide locking provision on Main and Branch | |
| | LES | Misc | | 9.1 | 9.1 | | | | | • | | | Circuit Breakers | |
| | | Exist'g L | oad | 22.5 | 22.5 | | | | | | | | Feed Thru Lugs | \top |

| N O | | LP-1A 208/120V, 3 PHASE, 4 WIRE | | | | | | | | | | | | 225 10,000 | 5 MLO 0 AIC | N O |
|----------------|----------|---|-----------------|---------------|----------------|------|--------------|---------------------|--------------|----------|-----|------|-------------------|--|-------------------|----------------|
| T | CKT | DESCRIPTION | WIRE | | KVA | | СВ | П | СВ | ī | KVA | | WIRE | DESCRIPTION BOILER | ROOM CKT | V |
| Е | 200 0000 | 00-100 (00-00000 0010 to 500000 to 10 00000 000 | | 0.4 | NVA | | 9000 000.50 | $\frac{1}{\lambda}$ | 1.000 00 10 | 0.5 | NVA | | 0 000 0000 000000 | | 10.000 10.0000000 | E |
| | _ | LIGHTING | 20A | 0.4 | 0.0 | | 20/1 | A | 20/1 | 0.5 | 0.0 | | | LIGHTING | 2 | |
| *0 | | LIGHTING | 20A | | 0.6 | 0.0 | 20/1 | В | 20/1 | | 0.8 | 0.0 | 20A | UNISEX RM DED RECPET | 4 | |
| *2 | | SPARE | | 0.0 | | 0.0 | 20/1 | C | 20/1 | 0.0 | | 0.8 | 20A | UNISEX RM DED RECPET | 6 | *2 |
| *2 *2 | _ | SPARE | + | 0.0 | 0.0 | | 20/1 | В | 20/1 | 0.8 | 0.0 | | 20A | WOMENS DED RECEPT | 8 10 | *2 |
| | 44 | SPARE DED DECEDE | 20A | | 0.0 | 0.0 | 20/1 | С | 20/1 | | 0.8 | 0.0 | 20A 20A | WOMENS DED RECEPT | 12 | *2 |
| *2 *2 | 11 | MENS DED RECEPT MENS DED RECEPT | 20A 20A | 0.8 | | 8.0 | 20/1 | \ \ \ | 20/1 | 0.8 | | 8.0 | 20A 20A | WOMENS DED RECEPT | 14 | |
| | 13 | MENS DED RECEPT | 20A 20A | 0.0 | 0.8 | | 20/1 20/1 | В | 20/1 20/1 | 0.0 | 0.8 | | 20A 20A | WOMENS DED RECEPT WOMENS DED RECEPT | 16 | *2 |
| | | MENS DED RECEPT | 20A 20A | | 0.0 | 0.8 | | С | 20/1 | | 0.0 | 0.0 | | | 18 | |
| *2 | | MENS DED RECEPT | 20A 20A | 0.8 | | 0.0 | 20/1 20/1 | \ \ | 20/1 | 0.8 | | 8.0 | 20A 20A | WOMENS DED RECEPT WOMENS DED RECEPT | 20 | *2 |
| *2 | 19 | MENS DED RECEPT | 20A 20A | 0.0 | 0.8 | | 70 1000 | В | 20/1 | 0.0 | 1.5 | | 20A 20A | | 22 | |
| *2 | 21 23 | MENS DED RECEPT | 20A 20A | | 0.0 | 0.8 | 20/1 | С | 20/1 | | 1.5 | 1.5 | 20A | INSTANT WATER HEATERS INSTANT WATER HEATERS | 24 | |
| <u>2</u> *2 | | MENS DED RECEPT | 20A 20A | 0.8 | | 0.0 | 20/1 | \ \ \ | 20/1 | 1.5 | | 1.0 | 20A 20A | INSTANT WATER HEATERS | 26 | |
| | _ | DED RECEPT OFFICE | 20A 20A | 0.0 | 0.3 | | 20/1 | В | 20/1 | 1.5 | 1.5 | | 20A 20A | INSTANT WATER HEATERS | 28 | |
| | _ | DED RECEPT OFFICE | 20A 20A | | 0.3 | 0.3 | 20/1 | С | 20/1 | | 1.5 | 1.5 | 20A 20A | INSTANT WATER HEATERS | 30 | |
| | | COND UNIT | 30A | 2.0 | | 0.3 | 30/2 | \ \ \ | 20/1 | 1.5 | | 1.0 | 20A 20A | INSTANT WATER HEATERS | 32 | \blacksquare |
| | 31 | COND ONLI | JUA | 2.0 | 2.0 | | 30/2 | В | 20/1 | 1.0 | 0.0 | | | SPARE SPARE | 34 | H |
| | 35 | AHU | 20A | | 2.0 | 1.0 | 20/1 | C | 20/1 | | 0.0 | 0.0 | | SPARE | 36 | H |
| | | HWRP-1 | 20A | 0.1 | | 1.0 | 20/1 | A | 20/1 | 0.0 | | 0.0 | | SPARE | 38 | \blacksquare |
| | _ | SPARE | 20/1 | 0.1 | 0.0 | | 20/1 | В | 20/1 | 0.0 | 0.0 | | <u>-</u> | SPARE | 40 | \blacksquare |
| | | SPARE | - | | 0.0 | 0.0 | 20/1 | C | 20/1 | | 0.0 | 0.0 | | SPARE | 42 | |
| | 71 | OI AIL | | 4.7 | 4.3 | 3.5 | 20/1 | 0 | 20/1 | 5.8 | 5.3 | 5.3 | | OI AILE | 72 | - |
| loto | · C · | | | 4.7 | 4.3 | 3.5 | | | | 5.0 | 5.5 | 5.5 | | Accessories: | | |
| lot∈ 1 | | do AECLTupo | 7 | Co | nnaatad | | | | Domone | J | | | | Surface | X | , |
| | _ | de AFCI Type | Lighting | | nnected 1.5 | 1.5 | | | Demand | l L | | | | Internal Surge Protection | ^ | - |
| | _ | de GFCI Type de locking provision on Circuit | Ť | | 13.3 | 13.3 | | | | Phase A | | 10.5 | | Door-in-Door | Х | , |
| 3 | | | Appliand A/C | ,e | 5.0 | 5.0 | | | | Phase B | | 9.6 | | Service Entrance Rated | \ X | |
| | Break | vei(9) | Heating | | 0.0 | 0.0 | | | | Phase C | | 8.8 | | | ^ | |
| | | | Misc | | 9.1 | 9.1 | | | | riiase C | | 0.0 | | Provide locking provision on Branch Breakers | X | j |
| | | | Exist'g Lo | oad | 0.0 | 0.0 | | | | | | | | Feed Thru Lugs | | \neg |
| | | | Total(kva | | 28.8 | 28.8 | | | | | | | | Ŭ | | \neg |



4-2"C FOR EXTENDING EXISTING BRANCH CIRCUITING TO NEW PANEL



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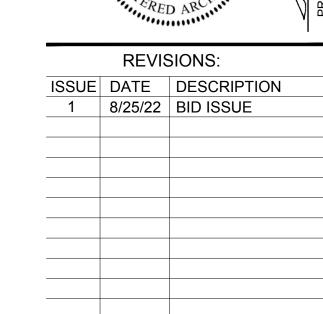
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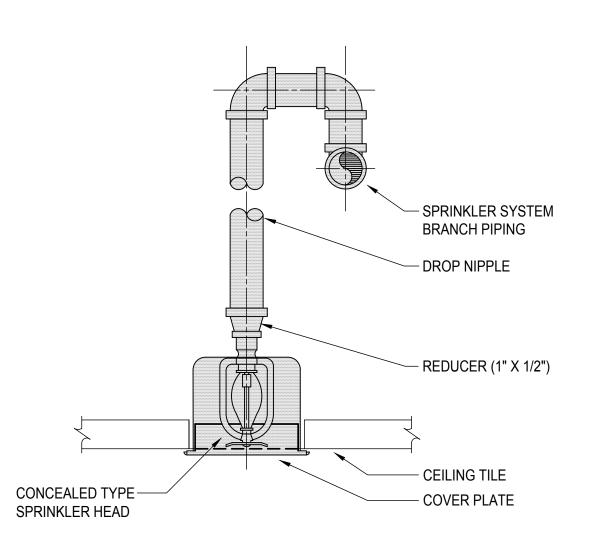




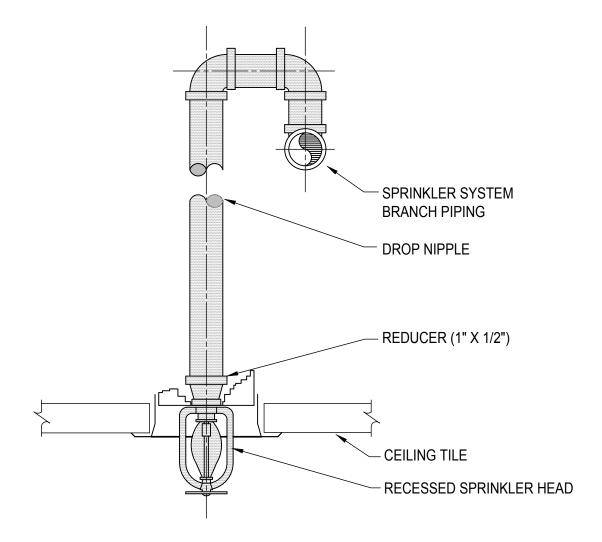
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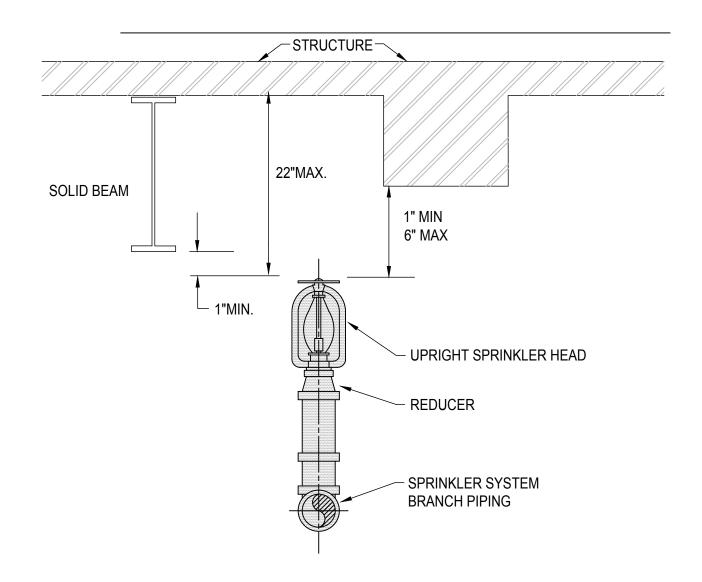
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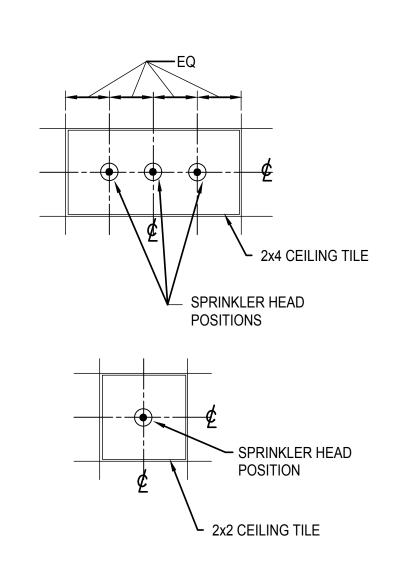
CONCEALED SPRINKLER HEAD DETAIL



\PENDENT SPRINKLER HEAD DETAIL









FIRE PROTECTION GENERAL NOTES

- SPRINKLER SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH NFPA-13, ALL APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL CHECK ARCHITECTURAL DRAWING FOR SOFFITS, SPECIAL CEILING HEIGHTS AND FINISHES. ALL ADDITIONAL HEADS REQUIRED BY NFPA-13 SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST. FINAL INSTALLATION MUST BE ACCEPTABLE TO OWNER'S INSURANCE UNDERWRITER.
- PROVIDE ALL NEW SPRINKLER SYSTEM COMPONENTS, REFURBISHING, TESTING, CERTIFICATION, AND ANY OTHER WORK REQUIRED TO ENSURE A COMPLETELY APPROVED AND OPERATIONAL SYSTEM. CONTRACTOR SHALL EXTEND FROM EXISTING PIPING OF ADEQUATE SIZE OR MAKE NEW PIPING CUT-INS AS REQUIRED TO SUIT NEW SPRINKLER HEAD LOCATIONS.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY OWNER'S REPRESENTATIVE AND THE ENGINEER OF ANY DISCREPANCIES BETWEEN DOCUMENTATION AND FIELD CONDITIONS.
- FIELD COORDINATE ALL FIRE PROTECTION PIPING AND EQUIPMENT LOCATIONS AND/OR MODIFACATIONS WITH THE GENERAL, ELECTRICAL, AND MECHANICAL CONTRACTORS PRIOR TO COMMENCEMENT OF WORK TO ELIMINATE FIELD CONFLICTS.
- THE CONTRACT DRAWINGS ARE DIAGRAMMATIC. ALL PIPING, SPECIALTIES AND ACCESSORIES NOT SHOWN SHALL BE PROVIDED AS REQUIRED. CONTRACTOR SHALL SUBMIT SPRINKLER SYSTEM DRAWINGS IDENTIFIED AS "WORKING DRAWINGS" AND PREPARED IN CONFORMANCE WITH NFPA CODES. SUBMIT ENGINEERED HYDRAULIC CALCULATIONS, PIPING DIAGRAMS AND FLOW TEST DATA IN CONFORMANCE WITH NFPA CODES, INSURANCE UNDERWRITER AND AUTHORITY HAVING JURISDICTION. WORKING DRAWING AND CALCULATION SHALL HAVE STAMPED APPROVALS FROM THE INSURANCE UNDERWRITER AND THE AUTHORITY HAVING JURISDICTION.
- HYDRAULIC CALCULATIONS OR PIPE SCHEDULE SHALL DICTATE THE ADEQUATE SIZES OF PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EXISTING PIPING (BRANCHES, MAINS, ETC.) WITH NEW PIPING OF LARGER DIAMETER, IF NECESSARY, TO BRING THE SYSTEM TO FULL COMPLIANCE.
- CONTRACTOR SHALL COORDINATE THE EXISTING SPRINKLER SYSTEM SHUTDOWN WITH BUILDING MANAGEMENT/OWNER PRIOR TO COMMENCEMENT OF WORK. WORK SHALL BE DONE AT SUCH A TIME, AND IN SUCH A MANNER, AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF THE BUILDING ACTIVITIES. WORK SHALL NOT INTERFERE WITH THE QUIET ENJOYMENT OF THE BUILDING BY OTHER TENANTS. WHERE FIRE PROTECTION SYSTEM SHUTDOWN PERIODS CANNOT BE OF DURATION TO ACCOMMODATE THE NEW WORK DURING THE DAY TIME, THE CONTRACTOR SHALL PROVIDE FIRE WATCH IF EXISTING FIRE PROTECTION SYSTEM WILL BE SHUT DOWN OVER NIGHT. COORDINATE FIRE WATCH, IF REQUIRED, WITH BUILDING OWNER.
- PROVIDE SPRINKLERS UNDER ANY OBSTRUCTION 4 FT. WIDE OR LARGER.
- SPRINKLER HEADS TO BE LOCATED IN THE CENTER OF THE TILES, UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE AREA REDUCTION ALLOWANCE FOR QUICK RESPONCE SPRINKLERS IN LIGHT AND ORDINARY HAZARDS IS NOT PERMITTED WITHOUT APPROVAL FROM THE ENGINEER AND THE INSURANCE UNDERWRITER.
- ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH UL LISTED FIREPROOFING SYSTEM TO MATCH THE RATING OF THE WALL OR FLOOR.
- PROVIDE NEC REQUIRED PIPE CLEARANCE ABOVE OR AROUND ANY ELECTRICAL EQUIPMENT, PANELS, ETC.

| AB | BREVIATIONS |
|----------|---|
| AFF | ABOVE FINISHED FLOOR |
| A | COMPRESSED AIR |
| AFG | ABOVE FINISHED GRADE |
| _ | |
| BLDG | BUILDING |
| CA | CLEAN AGENT |
| CIP | CAST IRON PIPE |
| CB&V | CURB BOX & VALVE |
| CLG | CEILING |
| CONN | CONNECT |
| DIP | DUCTILE IRON PIPE |
| DN | DOWN |
| DSP | DRY STANDPIPE |
| DWG | DRAWING |
| EC | ELECTRICAL CONTRACTOR |
| EL | ELEVATION |
| EQUIP | EQUIPMENT |
| (E) | EXISTING ITEM |
| (ED) | EXISTING ITEM TO BE DEMOLISHED |
| (ER) | EXISTING ITEM TO BE RELOCATED |
| FD | FLOOR DRAIN |
| FDC | FIRE DEPARTMENT CONNECTION (SIAMESE OR STAR3) |
| FHC | FIRE HOSE CABINET |
| FHR | FIRE HOSE RACK |
| | |
| FH | FIRE HYDRANT |
| FPC | FIRE PROTECTION CONTRACTOR |
| FHV | FIRE HOSE VALVE |
| GC | GENERAL CONTRACTOR |
| GPD | GALLONS PER DAY |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| Н | HALON |
| INV. EL. | INVERT ELEVATION |
| MC | MECHANICAL CONTRACTOR |
| NC | NORMALLY CLOSED |
| NIC | NOT IN CONTRACT |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| PA | PRE ACTION |
| PIV | POST INDICATOR VALVE |
| PRESS | PRESSURE |
| PSI | POUNDS PER SQUARE INCH |
| PSIG | POUNDS PER SQUARE INCH GAGE |
| (RL) | RELOCATED ITEM |
| SF | SQUARE FOOT |
| SP(W) | SPRINKLER PIPING (WET) |
| SP(D) | SPRINKLER PIPING (DRY) |
| TS | TAMPER SWITCH |
| | |
| TB | THRUST BLOCK |
| TDH | TOTAL DYNAMIC HEAD |
| VIF | VERIFY IN FIELD PRIOR TO BID |
| W/ | WITH |
| W/O | WITH OUT |
| WSP | WET STAND PIPE |
| l | |

| FIR | E PROTECTION LEGEND |
|--|--|
| FIR (E)F (E)SP (PA)SP (E)(PA)SP (E)(DSP (E)DSP (E)V (E)DSP (E)V (E)V | FIRE MAIN EXISTING FIRE MAIN SPRINKLER PIPING (WET) EXISTING SPRINKLER PIPING PREACTION SPRINKLER PIPING EXISTING PREACTION SPRINKLER PIPING SPRINKLER PIPING (DRY) EXISTING DRY SPRINKLER PIPING SWING CHECK VALVE BUTTERFLY VALVE (LUG TYPE) BALL VALVE GATE VALVE - OUTSIDE SCREW & YOKE ANGLE VALVE (FIRE HOSE VALVE) PIPE CAP - FLANGED, SCREWED OR GROOVED TYPE FLANGED PIPE CONNECTION GROOVED PIPE MECHANICAL CONNECTION UNION FIRE DEPARTMENT CONNECTION ("Y" PROJECTING) FIRE DEPARTMENT CONNECTION (SIDEWALK) FIRE DEPARTMENT CONNECTION (SIDEWALK) FIRE HYDRANT WATER MOTOR GONG (OR ELECTRIC BELL) FLOW SWITCH POST INDICATOR VALVE TAMPER SWITCH WALL INDICATOR VALVE WET PIPE SPRINKLER SYSTEM ALARM VALVE DRY PIPE SPRINKLER SYSTEM ALARM VALVE |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | ANGLE VALVE (FIRE HOSE VALVE) PIPE CAP - FLANGED, SCREWED OR GROOVED TYPE FLANGED PIPE CONNECTION GROOVED PIPE MECHANICAL CONNECTION UNION FIRE DEPARTMENT CONNECTION ("Y" PROJECTING) FIRE DEPARTMENT CONNECTION (FLUSH) FIRE DEPARTMENT CONNECTION (SIDEWALK) FIRE DEPARTMENT CONNECTION (SIDEWALK) FIRE HYDRANT WATER MOTOR GONG (OR ELECTRIC BELL) FLOW SWITCH POST INDICATOR VALVE TAMPER SWITCH WALL INDICATOR VALVE WET PIPE SPRINKLER SYSTEM ALARM VALVE |
| WSP NO. | SPRINKLER RISER No. WET STAND PIPE RISER No. |

| | SPRINKLER HEAD SCHEDULE* | | | | | | | | | | |
|--------|---------------------------|-------|--------------|---------|-----|------------|--------|--------|------------|-------|--|
| SYMBOL | SPRINKLER TYPE | STYLE | TEMP. RATING | HAZARD | K | ESCUTCHEON | FINISH | MFG. | MODEL | NOTES | |
| 0 | EXISTING HEAD | | | | | | 1 | | - | | |
| × | EXIST. HEAD TO BE REMOVED | | | | | | | | | | |
| • | PENDENT (SEMI RECESSED) | QR | 155°F | LH & OH | 5.6 | E-2 | WHITE | VIKING | VK 302 | | |
| 0 | UPRIGHT (EXPOSED) | QR | 155°F | LH & OH | 5.6 | | CHROME | VIKING | VK 300/345 | | |
| | PENDENT (CONCEALED) | QR | 155°F | LH | 5.6 | FLAT | Note 1 | VIKING | VK 462 | | |

GENERAL NOTES:

- NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY/ALL COSTS FOR ADJUSTING, RE-ALIGNING OF ANY HVAC OBSTRUCTIONS THAT EFFECT THE NEW WORK SCOPE, AND RESTORING THEM BACK TO A FULLY FUNCTIONAL AND BALANCED STATE.
- G.C. IS ALSO RESPONSIBLE FOR ANY/ALL COSTS FOR RELOCATING ANY SPRINKLER SYSTEM ELEMENTS THAT MAY INTERFERE WITH NEW WORK, AND RESTORING SYSTEM BACK TO
- G.C. IS RESPONSIBLE FOR ANY/ALL COSTS RELATING TO NEW ROOF PENETRATIONS NECESSARY TO COMPLETE THE NEW SCHEDULED WORK OF THIS CONTRACT; AND RESTORING THE ROOF SUCH THAT THE OWNER'S ROOF WARRANTY IS UNAFFECTED BY THE WORK.

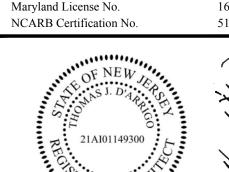
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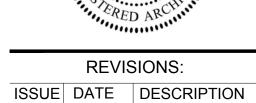


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FIRE PROTECTION SYMBOLS, ABBREVIATIONS & NOTES

JOB NO. CM002 DRN. BY CD CHK'D TJD SCALE AS NOTED DATE 11/01/2020

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DATE 11/01/2020

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