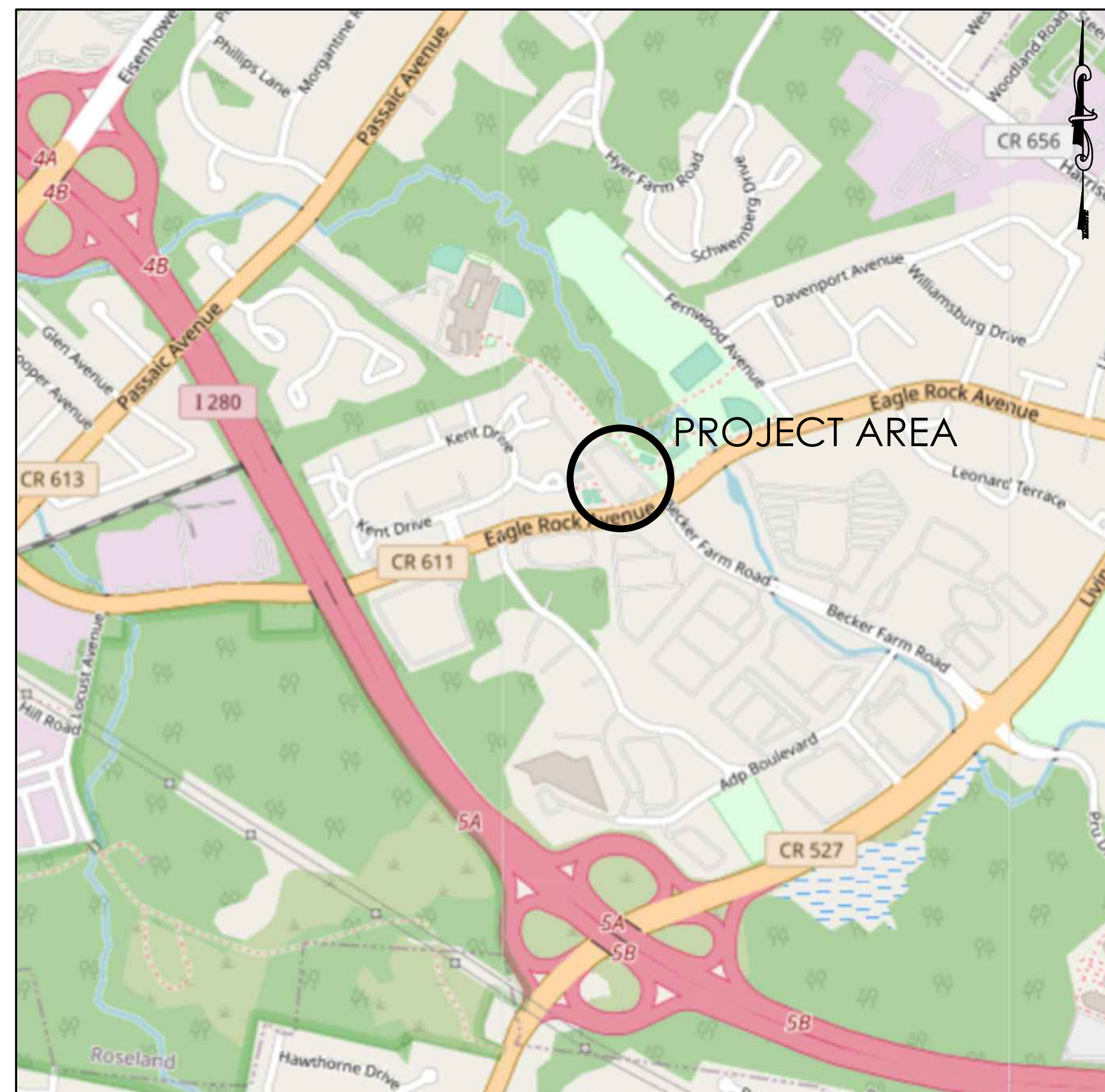


First Aid Squad Entry Improvements

Borough of Roseland Essex County, New Jersey

Block 12 - Lot 21

BOROUGH OF ROSELAND	
<u>MAYOR</u>	JAMES R. SPANGO
<u>COUNCIL MEMBERS</u>	CHRISTOPHER BARDI, PRESIDENT EILEEN FISHMAN ROGER FREDA JEAN PERROTTI MICHELE TOLLI MARCELINO TRILLO
<u>BOROUGH ADMINISTRATOR</u>	MAUREEN CHUMACAS
<u>MUNICIPAL CLERK</u>	JOCK H. WATKINS
<u>BOROUGH ATTORNEY</u>	JONI NOBLE MCDONNELL, ESQ.
<u>BOROUGH ENGINEER</u>	STEPHEN T. BOSWELL, Ph.D., P.E., SECB



PROJECT LOCATION MAP
N.T.S.
[MAP COURTESY OF OPEN STREET MAPS, 2020]

SUMMARY OF QUANTITIES			
Item No.	Description	Unit	Total Quantity
1	Entry Improvements	L.S.	Lump Sum

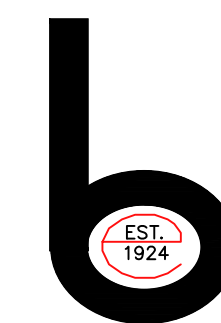
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SITE PLAN
3	CONSTRUCTION DETAILS
A100	PARTIAL FLOOR PLAN & NOTES
A101	DETAILS, NOTES & WIRING DIAGRAM
A102	PROJECT SPECIFICATIONS

PUBLIC UTILITIES

GAS: PUBLIC SERVICE ELECTRIC AND GAS (GAS)
ELECTRIC: PUBLIC SERVICE ELECTRIC AND GAS (ELECTRIC)
CABLE: COMCAST
TELEPHONE: VERIZON
WATER: ESSEX FELLS WATER DEPARTMENT

FUNDING SOURCE

BOROUGH OF ROSELAND AND
AN ESSEX COUNTY COMMUNITY
DEVELOPMENT BLOCK GRANT



Plans prepared by:
BOSWELL ENGINEERING
330 PHILLIPS AVENUE
SOUTH HACKENSACK, NEW JERSEY 07606
Tel (201) 641-0770 . Fax (201) 641-1831
NJ Certificate of Authorization No. 24GA27958000

STEPHEN T. BOSWELL
PROFESSIONAL ENGINEER N.J. LIC. 34680

JOSEPH A. POMANTE
PROFESSIONAL ENGINEER N.J. LIC. 43137

JOB NO. RL-111


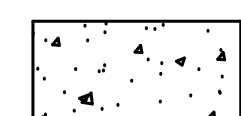
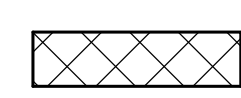
MAY 12, 2021

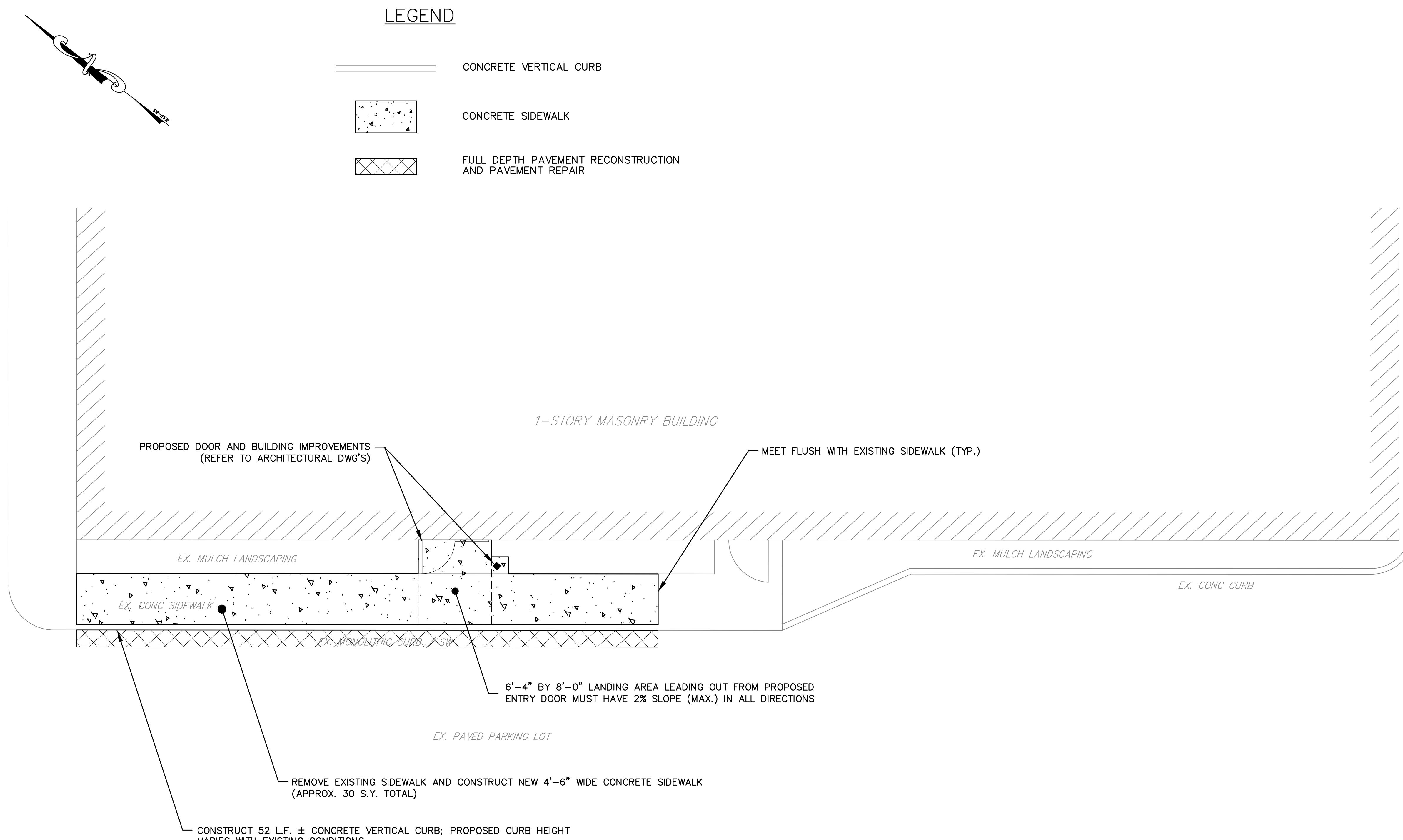
Note: This project is governed by 2019 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction and Standard Roadway Construction/Traffic Control/Bridge Construction Details, as amended herein.

GENERAL NOTES:

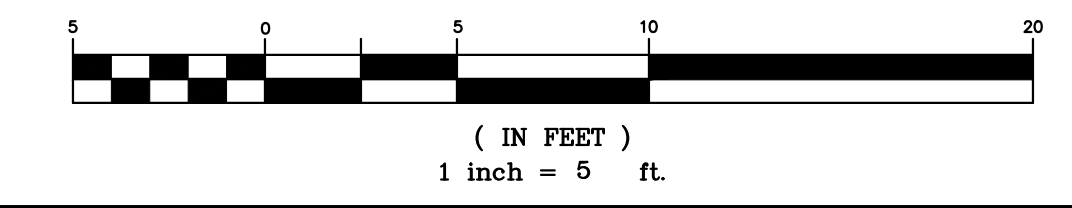
1. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. NOT ALL UTILITY POLES, UTILITY LINES, VALVES, DRIVEWAYS, INLETS, TREES AND OTHER EXISTING TOPOGRAPHIC FEATURES HAVE BEEN SHOWN ON PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN ALL LOCATIONS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
4. NO EQUIPMENT OR MATERIALS MAY BE STORED WITHIN THE R.O.W. WITHOUT EXPRESS WRITTEN CONSENT FROM THE POLICE DEPARTMENT.
5. UTILITIES
-CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH UTILITY COMPANIES.
-CONTRACTOR SHALL TEMPORARILY SUPPORT UTILITY POLES, IF REQUIRED.
6. THE CONTRACTOR SHALL INSTALL INLET FILTERS AT ALL NEARBY INLETS DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND SAFETY OF THE WORK AREAS FROM COMMENCEMENT OF CONSTRUCTION UNTIL FINAL ACCEPTANCE BY THE OWNER.
8. PERFORM ALL CONSTRUCTION WORK IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES. APPLICABLE SAFETY CODES MEAN THE LATEST EDITION INCLUDING ANY AND ALL AMENDMENTS, REVISIONS AND ADDITIONS THERETO OF THE FEDERAL DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S "OCCUPATIONAL SAFETY AND HEALTH STANDARDS" (OSHA); "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" OF THE STATE OF NEW JERSEY, DEPARTMENT OF LABOR AND INDUSTRY, BUREAU OF ENGINEERING AND SAFETY; "CONSTRUCTION SAFETY CODE," "MAINTENANCE, CONSTRUCTION AND DEMOLITION," AND "BUILDING CODE".
9. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL AREAS DISTURBED OUTSIDE THE LIMITS OF PROPOSED IMPROVEMENTS TO THEIR PRE-CONSTRUCTION CONDITION OR AS DIRECTED BY THE ENGINEER. ANY WORK THAT EFFECTS EXISTING FACILITIES WITHIN THE PROJECT LIMITS SHALL ALSO BE RESTORED TO PRE-CONSTRUCTION CONDITION. NO SEPARATE PAYMENT WILL BE MADE FOR ANY SITE RESTORATION.
10. IF UNSUITABLE SUB-GRADE MATERIAL IS ENCOUNTERED DURING EXCAVATION PROCEDURES, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO THE REMOVAL OF ANY UNSUITABLE MATERIAL.
11. ALL ASSOCIATED WORK REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS AS SHOWN HEREIN, AS DESCRIBED IN THE PROJECT SPECIFICATIONS OR AS DIRECTED BY THE RE SHALL BE PAID FOR UNDER THE LUMP SUM PRICE BID FOR 'ENTRY IMPROVEMENTS'.
12. ALL WORK PERFORMED MUST BE BARRIER FREE AND IN COMPLIANCE WITH ADA REQUIREMENTS. CROSS SLOPES SHALL NOT EXCEED 2% AND RUNNING SLOPES SHALL NOT EXCEED 5%, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR OTHERWISE DIRECTED BY THE RE.
13. CONTRACTOR SHALL FURNISH AND ERECT A CDBG PROJECT SIGN IN ACCORDANCE WITH THE SPECIFICATIONS AND THE DETAIL AT THE END OF APPENDIX A. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THE WORK.
14. ANY DAMAGE TO EXISTING FACILITIES SUCH AS SPRINKLER SYSTEMS, WALLS, SIGNS, FENCING, AND/OR LANDSCAPING, ETC. DUE TO CONSTRUCTION WORK SHALL NOT BE MEASURED AND PAID FOR SEPARATELY BUT ALL COSTS SHALL BE BORNE ON THE CONTRACTOR. REPAIRS SHALL BE MADE IN A MANNER THAT IS SUITABLE TO THE ENGINEER.

LEGEND

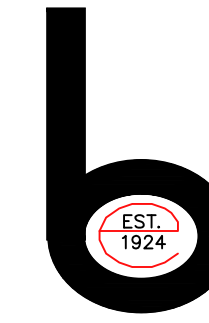
-  CONCRETE VERTICAL CURB
-  CONCRETE SIDEWALK
-  FULL DEPTH PAVEMENT RECONSTRUCTION AND PAVEMENT REPAIR



GRAPHIC SCALE



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY


BOSWELL ENGINEERING
 ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
 330 PHILLIPS AVENUE, SOUTH HACKENSACK, N.J. 07606
 TEL: (201) 641-0770 • FAX: (201) 641-1831
 N.J. CERTIFICATE OF AUTHORIZATION NO. 24GA27958000

STEPHEN T. BOSWELL

 PROFESSIONAL ENGINEER N.J. LIC. 34680

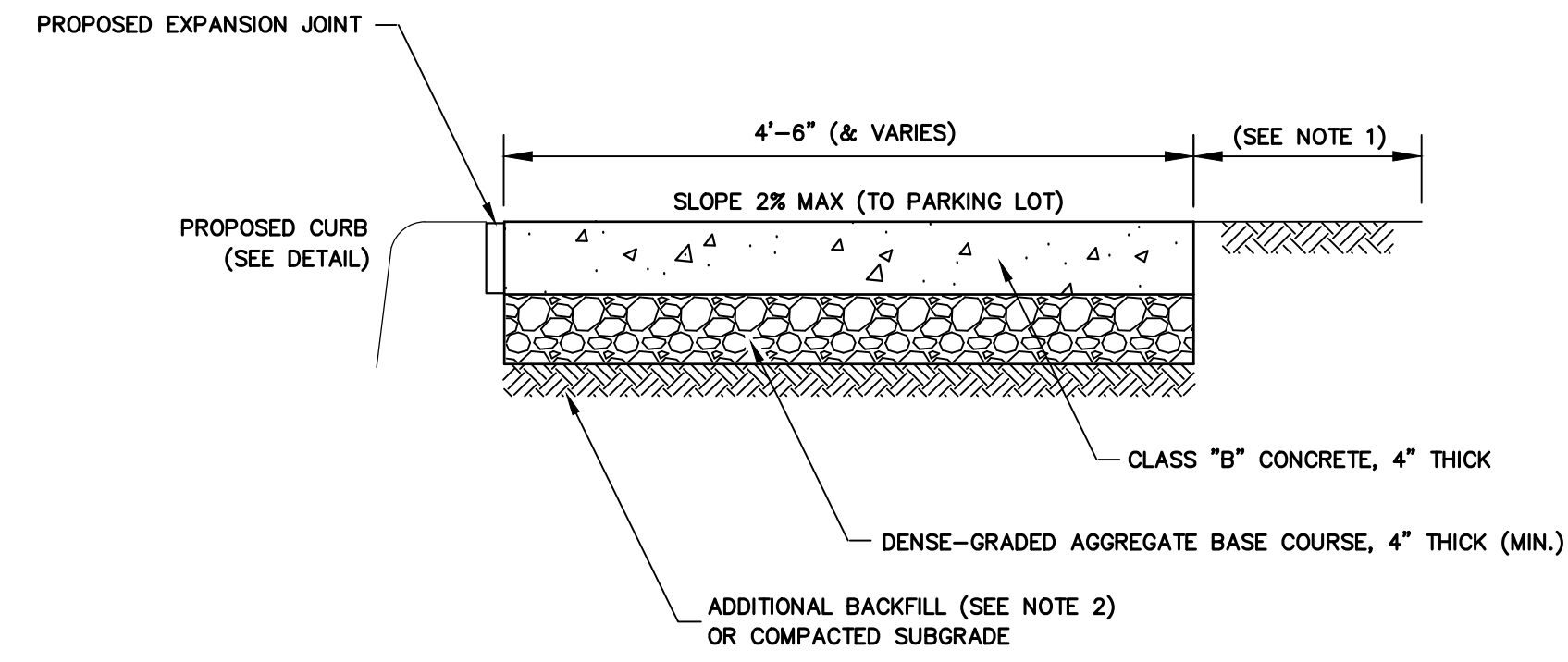
JOSEPH A. POMANTE

 PROFESSIONAL ENGINEER N.J. LIC. 43137

FIRST AID SQUAD ENTRY IMPROVEMENTS
BLOCK 12 - LOT 21
SITE PLAN
 BOROUGH OF ROSELAND
 NEW JERSEY

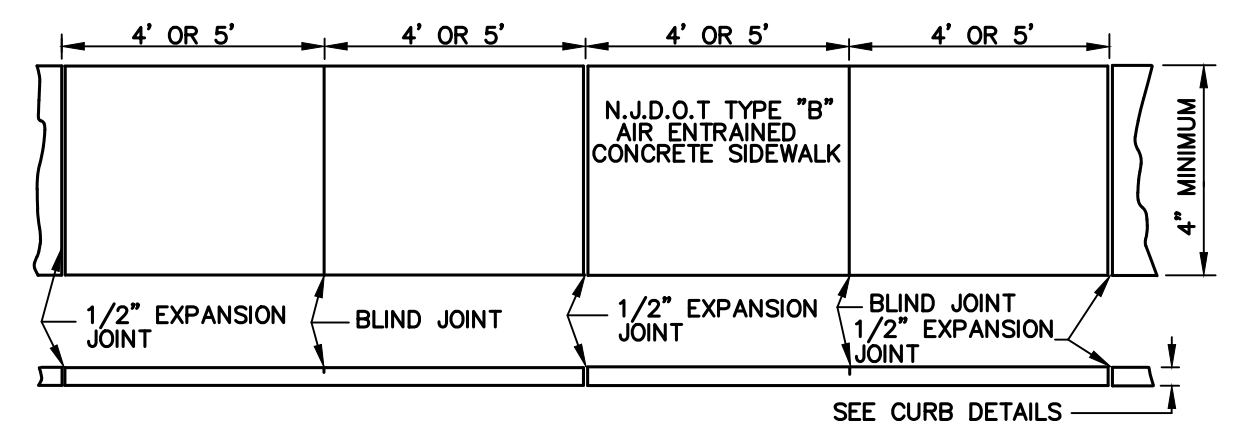
SURVEYED BY: N/A	DESIGNED BY: REG	SCALE: 1"=5'	JOB NO. RL-111	DATE: 5/12/21
DRAWN BY: REG	CHECKED BY: JAP			

CADD FILE: RL-111-CP SHEET 2 OF 3



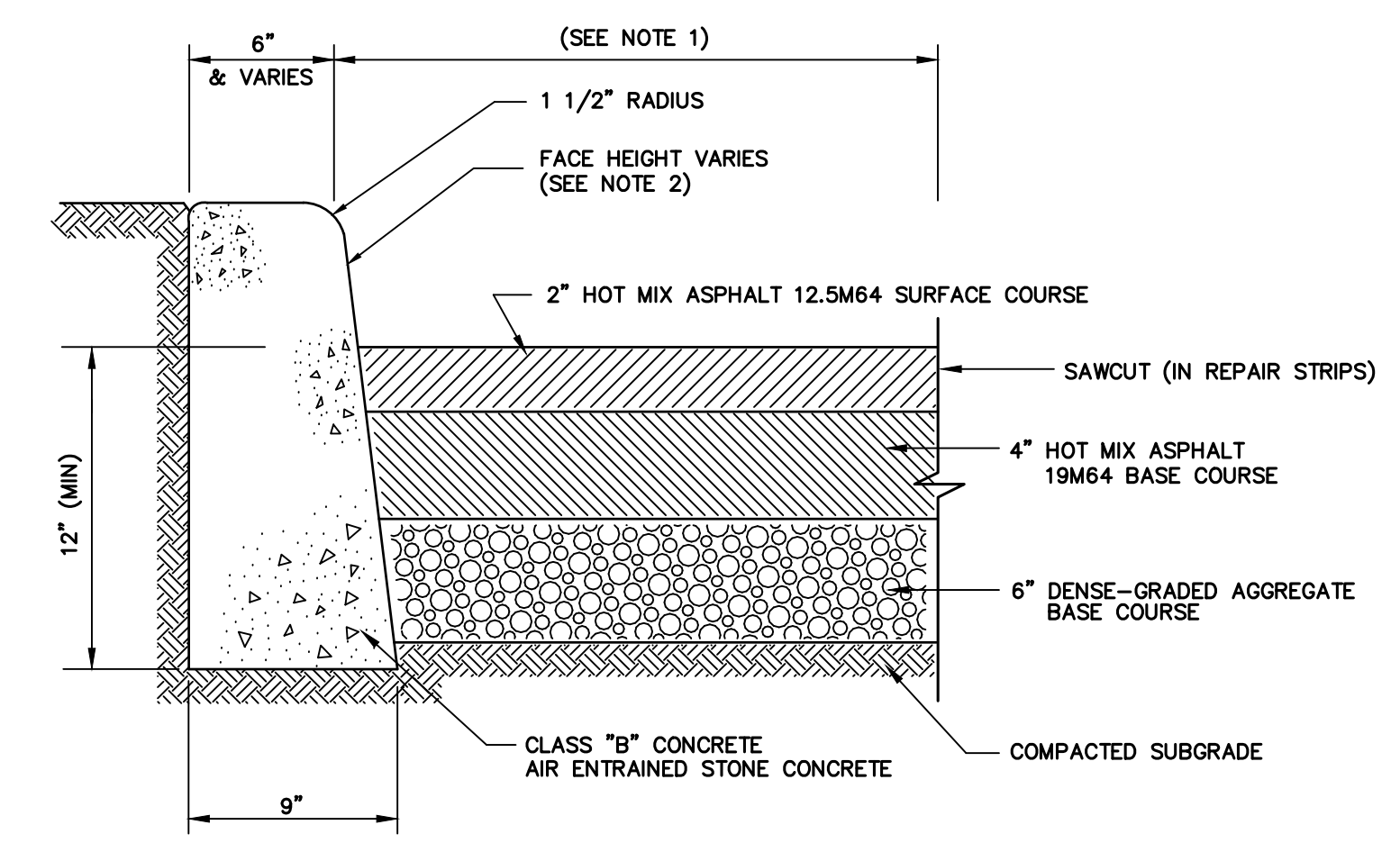
- NOTES:**
- CONTRACTOR SHALL RESTORE LANDSCAPED AREA ADJACENT TO PROPOSED SIDEWALK IMPROVEMENTS TO THEIR PRE-CONSTRUCTION CONDITION OR AS DIRECTED BY THE RE. ALL COSTS FOR ASSOCIATED WORK, INCLUDING FURNISHING AND INSTALLATION OF ADDITIONAL MATERIAL AS NEEDED, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID.
 - CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL 1-14 SOIL AGGREGATE MATERIAL, IF REQUIRED, TO MEET THE FINAL GRADE ELEVATIONS DETERMINED IN THE FIELD. NO SEPARATE PAYMENT SHALL BE FOR SUCH WORK BUT ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID.
 - PROVIDE 1/2" PREFORMED EXPANSION JOINT FILLER, AS REQUIRED BY THE ENGINEER.
 - ALL CONCRETE SURFACES SHALL BE TREATED WITH A CONCRETE CURING AND SEALING COMPOUND.
 - ALL WORK AS SHOWN IN THE DETAIL (ABOVE) SHALL BE INCLUDED IN THE LUMP SUM PRICE BID. REMOVAL OF EXISTING SIDEWALK/CURB SHALL ALSO BE INCLUDED IN THE LUMP SUM PRICE BID.

CONCRETE SIDEWALK, 4" THICK
N.T.S.



- NOTES:**
- SUBGRADE IS TO BE IN A MANNER SUITABLE TO THE ENGINEER.
 - EXPANSION JOINTS ARE TO BE 1/2" WIDE AND FILLED WITH PREFORMED HOT MIX ASPHALT TYPE JOINT FILLER. THE TOP OF ALL JOINT FILLER SHALL BE 1/4" BELOW THE TOP OF THE SURFACE. EXPANSION JOINT SHALL BE LOCATED ±10" ON CENTER.
 - BLIND JOINTS ARE TO BE SURFACE GROVES CUT INTO SIDEWALK 1/2" DEEP, AND SHALL BE LOCATED 10" ON CENTER.
 - DIMENSIONS MAY VARY BASED ON EXISTING CONDITIONS OR AS DIRECTED BY THE ENGINEER.
 - ALL WORK AS SHOWN IN THE DETAIL (ABOVE) SHALL BE INCLUDED IN THE LUMP SUM PRICE BID.

TYPICAL SIDEWALK SECTION
N.T.S.



- NOTES:**
- IN AREAS WHERE EXISTING PAVEMENT IS TO REMAIN, A 2' WIDE PAVEMENT REPAIR STRIP SHALL BE CONSTRUCTED ADJACENT TO THE PROPOSED CURB. THE FOLLOWING ITEMS OF WORK WITHIN THE REPAIR STRIP ARE INCLUDED IN THE LUMP SUM PRICE BID:
 - SAWCUT
 - CONCRETE CURING AND SEALING COMPOUND
 - EXCAVATION, UNCLASSIFIED
 - BACKFILL MATERIAL
 - COMPACTED SUBGRADE
 - DENSE-GRADED AGGREGATE BASE COURSE
 - HOT MIX ASPHALT 19M64 BASE COURSE
 - HOT MIX ASPHALT 9.5M64 SURFACE COURSE
 - PRIME AND TACK COAT, AS REQUIRED
 - TOP OF CURB SHALL ALWAYS BE FLUSH WITH ADJACENT CONCRETE SIDEWALK AND CURB HEIGHT SHALL NOT EXCEED 12" ABOVE THE ADJACENT PAVEMENT UNLESS OTHERWISE APPROVED BY THE RE. CURB HEIGHT TO TAPER INTO EXISTING WHERE APPLICABLE.
 - CURB DEPTH SHALL ALWAYS BE 12" MINIMUM BELOW THE FINAL PAVEMENT ELEVATION.
 - 4" THICK, COARSE AGGREGATE SIZE NO. 57 SHALL BE CONSTRUCTED UNDERNEATH PROPOSED CURB IN WET FIELD CONDITIONS, AS DIRECTED THE ENGINEER.
 - PROVIDE 1/2" PREFORMED EXPANSION JOINT FILLER, AS REQUIRED BY THE ENGINEER.
 - ALL CONCRETE SURFACES SHALL BE TREATED WITH A CONCRETE CURING AND SEALING COMPOUND.
 - ALL WORK AS SHOWN IN THE DETAIL (ABOVE) SHALL BE INCLUDED IN THE LUMP SUM PRICE BID.

9" x 18" CONCRETE VERTICAL CURB
N.T.S.

NOTE:
ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES. APPLICABLE SAFETY CODES SHALL MEAN THE LATEST EDITION INCLUDING ANY AND ALL AMENDMENTS, REVISIONS AND ADDITIONS THERETO OF THE FEDERAL DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S "OCCUPATIONAL SAFETY AND HEALTH STANDARDS" (OSHA); "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" OF THE STATE OF NEW JERSEY, DEPARTMENT OF LABOR AND INDUSTRY, BUREAU OF ENGINEERING AND SAFETY; "CONSTRUCTION SAFETY CODE," AND "MAINTENANCE, CONSTRUCTION AND DEMOLITION," AND BUILDING CODE."

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY

STEPHEN T. BOSWELL

PROFESSIONAL ENGINEER N.J. LIC. 34680

JOSEPH A. POMANTE

PROFESSIONAL ENGINEER N.J. LIC. 43137

**FIRST AID SQUAD ENTRY IMPROVEMENTS
BLOCK 12 - LOT 21
CONSTRUCTION DETAILS**
BOROUGH OF ROSELAND

ESSEX COUNTY NEW JERSEY

SURVEYED BY: N/A	DESIGNED BY: REG	SCALE: N.T.S.	JOB NO. RL-111	DATE: 5/12/21
DRAWN BY: REG	CHECKED BY: JAP			

CADD FILE: RL-111-DS SHEET 3 OF 3

NEW ENTRY DOOR & DOOR HARDWARE
 AT THE
 ROSELAND FIRST AID SQUAD BUILDING
 300 EAGLE ROCK AVENUE,
 ROSELAND, NJ 07068
 C/O
 BOROUGH OF ROSELAND
 140 EAGLE ROCK
 ROSELAND, NJ 07068

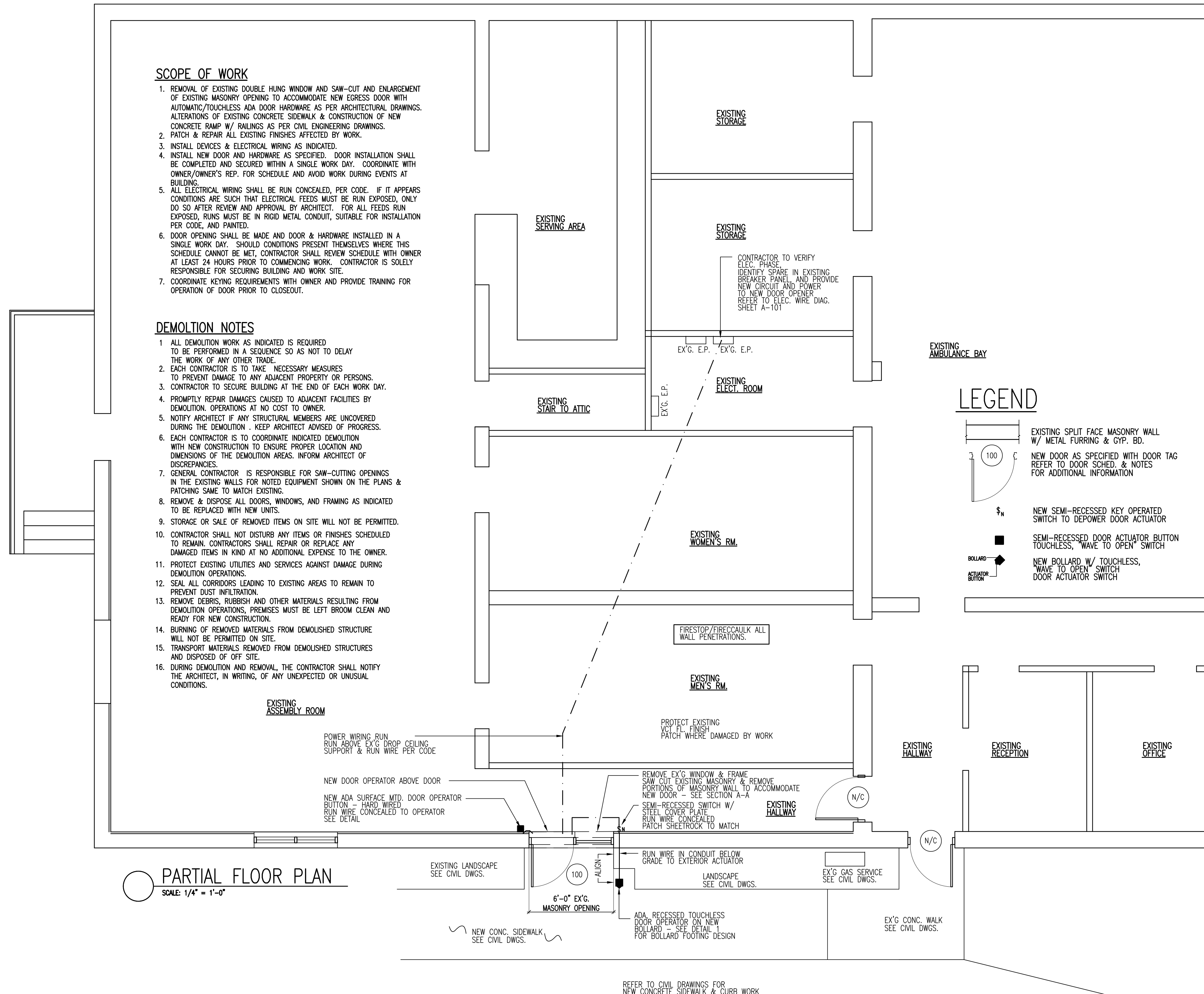
UD Architect
 NJ License No. 21A0179300
 Daniel Dressel, Architect
 19 Edstan Dr.
 Moonachie, NJ 07074
 t. 201-370-6293
 f. 201-641-1058
 DDarchitect@aol.com

SCOPE OF WORK

1. REMOVAL OF EXISTING DOUBLE HUNG WINDOW AND SAW-CUT AND ENLARGEMENT OF EXISTING MASONRY OPENING TO ACCOMMODATE NEW EGRESS DOOR WITH AUTOMATIC/TOUCHLESS ADA DOOR HARDWARE AS PER ARCHITECTURAL DRAWINGS. ALTERATIONS OF EXISTING CONCRETE SIDEWALK & CONSTRUCTION OF NEW CONCRETE RAMP W/ RAILINGS AS PER CIVIL ENGINEERING DRAWINGS.
2. PATCH & REPAIR ALL EXISTING FINISHES AFFECTED BY WORK.
3. INSTALL DEVICES & ELECTRICAL WIRING AS INDICATED.
4. INSTALL NEW DOOR AND HARDWARE AS SPECIFIED. DOOR INSTALLATION SHALL BE COMPLETED AND SECURED WITHIN A SINGLE WORK DAY. COORDINATE WITH OWNER/OWNER'S REP. FOR SCHEDULE AND AVOID WORK DURING EVENTS AT BUILDING.
5. ALL ELECTRICAL WIRING SHALL BE RUN CONCEALED, PER CODE. IF IT APPEARS CONDITIONS ARE SUCH THAT ELECTRICAL FEEDS MUST BE RUN EXPOSED, ONLY DO SO AFTER REVIEW AND APPROVAL BY ARCHITECT. FOR ALL FEEDS RUN EXPOSED, RUNS MUST BE IN RIGID METAL CONDUIT, SUITABLE FOR INSTALLATION PER CODE, AND PAINTED.
6. DOOR OPENING SHALL BE MADE AND DOOR & HARDWARE INSTALLED IN A SINGLE WORK DAY. SHOULD CONDITIONS PRESENT THEMSELVES WHERE THIS SCHEDULE CANNOT BE MET, CONTRACTOR SHALL REVIEW SCHEDULE WITH OWNER AT LEAST 24 HOURS PRIOR TO COMMENCING WORK. CONTRACTOR IS SOLELY RESPONSIBLE FOR SECURING BUILDING AND WORK SITE.
7. COORDINATE KEYING REQUIREMENTS WITH OWNER AND PROVIDE TRAINING FOR OPERATION OF DOOR PRIOR TO CLOSURE.

DEMOLITION NOTES

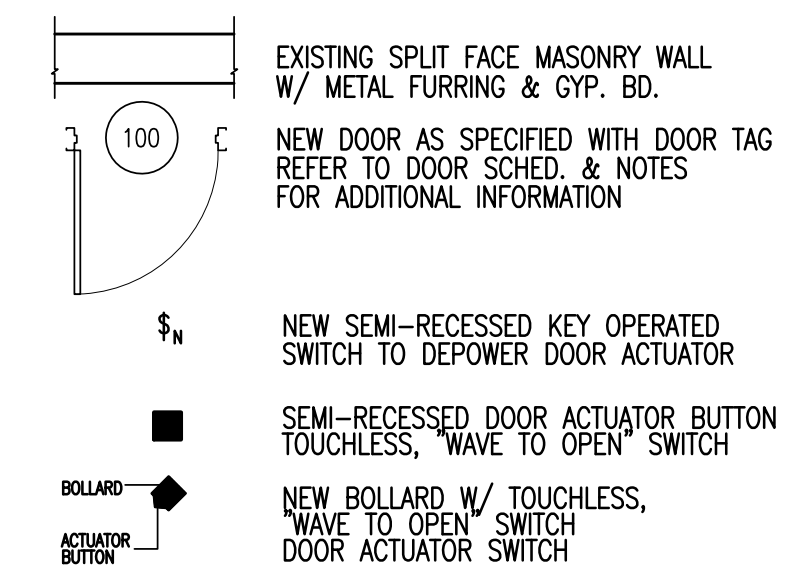
1. ALL DEMOLITION WORK AS INDICATED IS REQUIRED TO BE PERFORMED IN A SEQUENCE SO AS NOT TO DISTURB THE WORK OF ANY OTHER TRADE.
2. EACH CONTRACTOR IS TO TAKE NECESSARY MEASURES TO PREVENT DAMAGE TO ANY ADJACENT PROPERTY OR PERSONS.
3. CONTRACTOR TO SECURE BUILDING AT THE END OF EACH WORK DAY.
4. PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION. OPERATIONS AT NO COST TO OWNER.
5. NOTIFY ARCHITECT IF ANY STRUCTURAL MEMBERS ARE UNCOVERED DURING THE DEMOLITION. KEEP ARCHITECT ADVISED OF PROGRESS.
6. EACH CONTRACTOR IS TO COORDINATE INDICATED DEMOLITION WITH NEW CONSTRUCTION TO ENSURE PROPER LOCATION AND DIMENSIONS OF THE DEMOLITION AREAS. INFORM ARCHITECT OF DISCREPANCIES.
7. GENERAL CONTRACTOR IS RESPONSIBLE FOR SAW-CUTTING OPENINGS IN THE EXISTING WALLS FOR NOTED EQUIPMENT SHOWN ON THE PLANS & PATCHING SAME TO MATCH EXISTING.
8. REMOVE & DISPOSE ALL DOORS, WINDOWS, AND FRAMING AS INDICATED TO BE REPLACED WITH NEW UNITS.
9. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
10. CONTRACTOR SHALL NOT DISTURB ANY ITEMS OR FINISHES SCHEDULED TO REMAIN. CONTRACTORS SHALL REPAIR OR REPLACE ANY DAMAGED ITEMS IN KIND AT NO ADDITIONAL EXPENSE TO THE OWNER.
11. PROTECT EXISTING UTILITIES AND SERVICES AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
12. SEAL ALL CORRIDORS LEADING TO EXISTING AREAS TO REMAIN TO PREVENT DUST INFILTRATION.
13. REMOVE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. PREMISES MUST BE LEFT BROOM CLEAN AND READY FOR NEW CONSTRUCTION.
14. BURNING OF REMOVED MATERIALS FROM DEMOLISHED STRUCTURE WILL NOT BE PERMITTED ON SITE.
15. TRANSPORT MATERIALS REMOVED FROM DEMOLISHED STRUCTURES AND DISPOSED OF OFF SITE.
16. DURING DEMOLITION AND REMOVAL, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, OF ANY UNEXPECTED OR UNUSUAL CONDITIONS.



NOTES

1. PROJECT DESCRIPTION: REMOVAL OF EXISTING WINDOWS, ENLARGEMENT OF EXISTING MASONRY OPENING, (BY SAW-CUTTING), AND INSTALLATION OF NEW EXTERIOR FRP DOOR WITH ALUMINUM FRAME AND DOOR HARDWARE INCLUSIVE OF AUTOMATIC, "WAVE TO OPEN" DOOR OPERATORS. REFER TO CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE.
2. CONTRACTOR USE OF PREMISES: THE CONTRACTOR SHALL LIMIT THEIR USE OF THE PREMISES TO THE WORK INDICATED, AND CONFINE OPERATIONS AT THE SITE TO THE AREAS WHERE WORK IS INDICATED. PORTIONS OF THE SITE BEYOND WHERE WORK IS INDICATED SHALL NOT BE DISTURBED OR ACCESSED. DO NOT UNREASONABLY ENCUMBER THE SITE WITH MATERIALS OF OR EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR, AT HIS OWN EXPENSE, ANY DAMAGES OF PREMISES CAUSED BY HIS OPERATIONS. CONTRACTOR SHALL SECURE HIS EQUIPMENT AND LOCK AUTOMOTIVE TYPE VEHICLES SUCH AS PASSENGER CARS, TRUCKS, AND OTHER TYPES OF MECHANIZED AND MOTORIZED CONSTRUCTION EQUIPMENT, WHEN PARKED AND UNATTENDED SO AS TO PREVENT UNAUTHORIZED USE. CONTRACTOR SHALL PROVIDE ADEQUATE SUPERVISORY STAFF/PROJECT MANAGEMENT ON SITE FOR THE DURATION OF THE PROJECT. SUBCONTRACTOR'S SHALL HAVE THE SAME REQUIREMENT. ONE FULL TIME PROJECT MANAGER SHOULD BE ASSIGNED TO THE PROJECT. ALL ON-SITE PERSONNEL SHALL WEAR PROPER IDENTIFICATION, ACCEPTABLE TO THE OWNER. THE OFFICIAL LANGUAGE OF THE PROJECT IS ENGLISH. ALL PROJECT MANAGERS, SUPERINTENDENTS, CREW FOREMEN, AND ANY OTHER SUPERVISORY PERSON WHO IS IN CHARGE OF A GROUP OF WORKERS AT THE JOBSITE MUST BE ABLE TO EFFECTIVELY COMMUNICATE, BOTH WRITTEN AND VERBAL FORMS, IN THE ENGLISH LANGUAGE. THE OWNER RESERVES THE RIGHT TO INSTITUTE APPROPRIATE OR NECESSARY SECURITY PROVISIONS AND PROCEDURES FOR ANY AND ALL WORKERS, SUPERVISORY PERSONNEL, MATERIAL SUPPLIERS, DELIVERIES AND ANY OTHER ASPECT OF THE WORK BEING PERFORMED UNDER THIS PROJECT IN ORDER TO PROVIDE A SAFE AND SUITABLE ENVIRONMENT FOR SCHOOL STAFF AND STUDENTS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING SURFACES AFFECTED BY WORK AND RETURN SAID SURFACES TO THEIR EXISTING CONDITION PRIOR TO COMMENCING SAID WORK.
3. PHASING/SEQUENCING: CONTRACTOR SHALL PROVIDE TO OWNER'S REPRESENTATIVE FOR APPROVAL A CONSTRUCTION SCHEDULE AND SEQUENCING WORK PRIOR TO COMMENCING.
4. SUBMITTALS: THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS TO ARCHITECT VIA EMAIL IN PDF. FORMAT. CONTRACTOR SHALL PROVIDE (3) SAMPLES, PLUS AS MANY NEEDED FOR THEIR OWN RECORDS, FOR APPROVAL OF ANY SPECIFIED ITEM PRIOR TO ORDERING MATERIALS.
5. SUBSTITUTIONS: NAME BRAND PRODUCTS SPECIFIED ARE FOR BASIS OF DESIGN. CONTRACTOR MAY SUBMIT SUBSTITUTIONS FOR APPROVAL. CONTRACTOR IS RESPONSIBLE TO DEMONSTRATE THAT SUBSTITUTION IS EQUAL TO OR ABOVE THE STANDARD OF THE SPECIFIED PRODUCT. ARCHITECT SHALL BE FINANCIALLY COMPENSATED BY CONTRACTOR AT CURRENT HOURLY RATES FOR REVIEW OF SUBSTITUTION REQUESTS. CONTRACTOR MUST SUBMIT SUBSTITUTION REQUEST PRIOR TO PROVIDING FINAL BID/QUOTE TO OWNER.
6. CLARIFICATIONS: SHOULD THE CONTRACTOR HAVE ANY QUESTIONS ABOUT ANY INFORMATION ON THE DRAWINGS OR THE ARCHITECT'S INTENT, HE SHALL BE RESPONSIBLE FOR CONTACTING THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED.
7. RECORD DOCUMENTS: CONTRACTOR SHALL SUBMIT (1) SETS (HARD COPY) OF RECORD DOCUMENTS AND (1) ELECTRONIC FILE IN "PDF" FORMAT OF RECORD DWGS./DOCUMENTS AT COMPLETION OF PROJECT AND AS ONE OF THE CONDITIONS FOR SUBMISSION OF FINAL PAYMENT. WHERE THE ACTUAL WORK DIFFERS FROM THAT SHOWN ON DRAWINGS OR INDICATED IN THE SPECIFICATIONS, THE CONTRACTOR SHALL INDICATE SAID CHANGES ON DRAWINGS AND/OR SPECIFICATIONS PRIOR TO SUBMISSION. CONTRACTOR SHALL MARK LOCATION OF CONCEALED ITEMS BEFORE THEY ARE COVERED. MARK EITHER THE CONTRACT DRAWINGS OR SHOP DRAWINGS, WHICHEVER IS BEST SUITED TO SHOW THE CHANGE.
8. SAFETY: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PROPERTY AND PERSONAL DAMAGE OR INJURY RESULTING FROM THE CONDUCT OF THE WORK AND SHALL INDEMNIFY AND HOLD HARMLESS THE ARCHITECT FROM ALL CLAIMS FOR LOSS OF DAMAGE TO PROPERTY OR PERSONAL INJURY OR DEATH OF ANY AND ALL PERSONS ARISING OUT OF THE WORK OF HIS CONTRACT AND/OR ASSOCIATED WITH THE WORK INDICATED IN THE DRAWINGS. USE OF THE SITE AND OPERATIONS SHALL BE ON-GOING AND MAINTAINED WITHOUT INTERRUPTION.
9. CONTRACTOR'S INSURANCE: THE CONTRACTOR, & ITS SUB-CRONTACTORS SHALL MAINTAIN ALL BUSINESS REGISTRATIONS & INSURANCES DURING COURSE OF WORK. AS STIPULATED HERE, ARCHITECT SHALL BE NAMED AS ADDITIONAL INSURED ON CONTRACTOR'S POLICY FOR THIS PROJECT.

LEGEND



BUILDING CODE:

NEW JERSEY UNIFORM CONSTRUCTION CODE, NEW JERSEY REHABILITATION SUB-CODE, THE INTERNATIONAL BUILDING CODE - NEW JERSEY 2018 EDITION (IBC-2018 NJ), & LATEST ADOPTED EDITION OF THE NATIONAL ELECTRIC AND NATIONAL PLUMBING CODES.

USE GROUP A-3/S EXISTING/NO CHANGE

DRAWING LIST

DWG. NO.	TITLE
A-100	PARTIAL FLOOR PLAN & NOTES
A-101	DETAILS, NOTES & WIRING DIAGRAM
A-102	PROJECT SPECIFICATIONS

DO NOT SCALE DRAWINGS.

PROJECT:
 NEW ENTRY DOOR & DOOR HARDWARE
 AT THE ROSELAND FIRST AID SQUAD BUILDING
 300 EAGLE ROCK AVENUE
 ROSELAND, NJ 07068
 C/O
 BOROUGH OF ROSELAND
 140 EAGLE ROCK AVENUE
 ROSELAND, NJ 07068

SHEET TITLE

REVISIONS

DESCRIPTION	DATE	NO.
ENG. DESIGN CHANGES	05.12.2021	

DRAWN BY: dd
 CHECKED BY:
 ISSUE DATE: 04.12.2021

DRAWING NUMBER

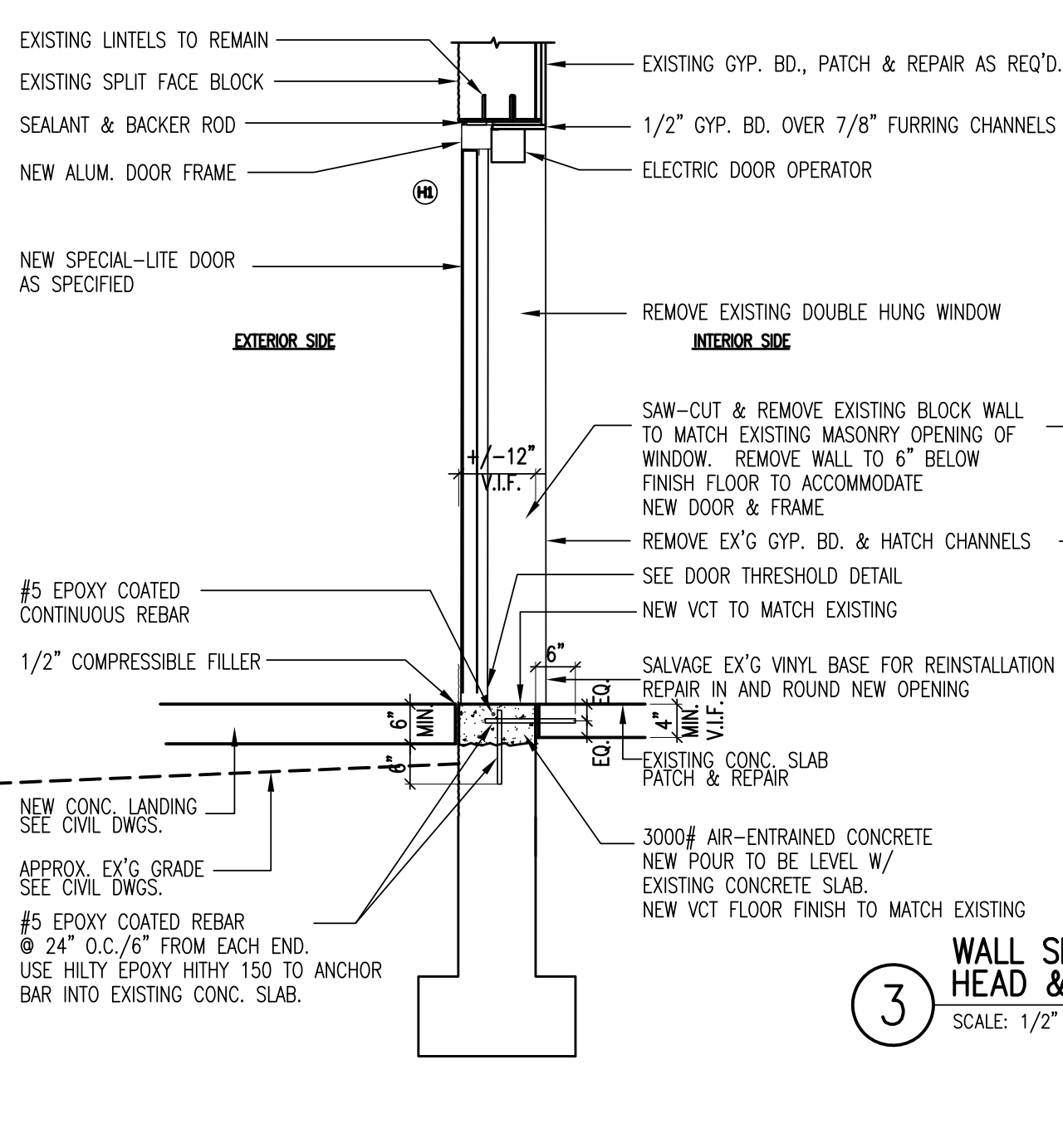
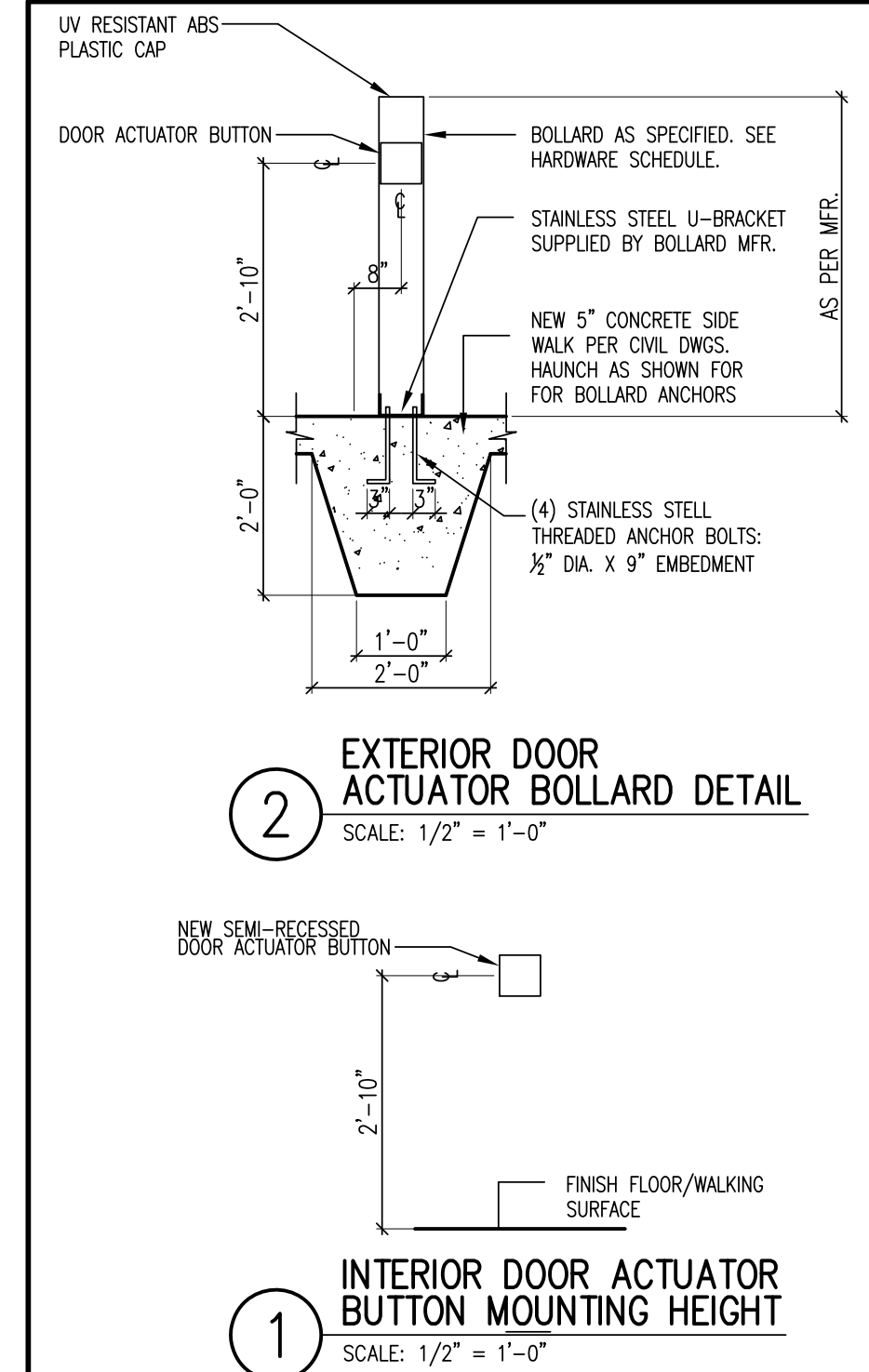
A-100

ELECTRICAL SPECIFICATIONS

- GENERAL:**
- ALL WORK SHALL CONFORM TO THE LATEST ADOPTED EDITIONS OF THE NEC, NFPA, IBC, UCC AND LOCAL CODES.
 - OBTAIN ALL PERMITS AND APPROVAL FROM AUTHORITIES HAVING JURISDICTION AND PAYING ALL FEES REQUIRED.
 - ALL WORK SHALL BE DONE UNDER NORMAL WORKING HOURS, UNLESS OTHERWISE NOTED.
- GROUNDING:**
- GROUNDING SYSTEM: PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUITS, SUPPORTS, CABINETS, PANELBOARDS AND SYSTEM GROUNDING NEUTRAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC. MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT THE SYSTEM. GROUND CLAMPS SHALL BE APPROVED TYPE, SPECIFICALLY DESIGNED FOR GROUNDING. WHERE GROUNDING CONDUCTOR IS ENCLOSED IN CONDUIT, GROUND CLAMPS SHALL BE OF A TYPE WHICH GOUNDS BOTH CONDUCTOR AND CONDUIT. ALL CIRCUITS IN FLEXIBLE CONDUIT OR PLASTIC CONDUIT SHALL INCLUDE A GROUND WIRE SIZED IN ACCORDANCE WITH "NEC" TABLE 250-122.
 - EQUIPMENT GROUNDING CONDUCTORS SHALL BE PROVIDED FOR ALL FEEDERS AND BRANCH CIRCUITS. USE GREEN GROUND.
- IDENTIFICATION:**
- MODIFY DIRECTORIES OF EXISTING PANELS WHERE CHANGES AND/OR ADDITIONS HAVE BEEN MADE.
 - WIRE AND CABLE COLOR CODING.
 - POWER WIRING: CONSISTENT PHASE IDENTIFICATION OF ALL WIRES SHALL BE MAINTAINED. AS FOLLOWS:
 - CONTROL WIRES: WIRES OF CONTROL CIRCUITS SHALL BE CONSISTENTLY COLOR CODED TO PERMIT EASY IDENTIFICATION OF CONDUCTORS.
 - PROVIDE IDENTIFICATION OF ALL BRANCH CIRCUITS WIRES IN PULL BOXES AND AT TERMINATIONS WITH PANEL AND CIRCUIT NUMBER.
 - PROVIDE PLASTIC ENGRAVED LABELS ON PANELS, DISCONNECT SWITCHES AND TRANSFORMERS TO INDICATE POWER SOURCE AND VOLTAGE.
- WIRING METHODS:**
- BRANCH CIRCUIT AND FEEDER WIRING RUN WITHIN THE BUILDING SHALL BE INSTALLED IN ELECTRO-METALLIC TUBING WITH COMPRESSION FITTINGS AND MUST BE RUN CONCEALED. ONLY UNDER THE SPECIFIC APPROVAL OF THE ARCHITECT SHALL WIRES BE RUN IN EXPOSED. ALL EXPOSED WIRING ROUTING MUST BE APPROVED BY ARCHITECT. ARMORED CABLE (TYPE MC OR HFC-90) SHALL BE PERMITTED IN CONCEALED AREAS ONLY AND TO THE EXTENT PERMITTED BY CODE.
 - WIRING FOR CONTROLS, COMMUNICATIONS AND OTHER SYSTEMS SHALL BE IN RACEWAY SPECIFIED FOR BRANCH CIRCUITS UNLESS SPECIFICALLY NOTED OTHERWISE.
 - PROVIDE SEALS FOR RACEWAYS PASSING THROUGH FLOORS, ROOFS AND WALLS.
 - CONDUCTORS SHALL BE 600 VOLT INSULATION, COPPER, TYPE THHN OR THWN.
- WIRING DEVICES - PLATES:**
- DEVICES SHALL BE "SPEC GRADE" MANUFACTURED BY LEVITON OR EQUAL. ALL DEVICE COVER PLATES SHALL BE STAINLESS STEEL U.O.N. STANDARD DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE, 20 AMP, NEMA 5-20R, BACK AND SIDE WIRED U.O.N.. OTHER DEVICES SHALL BE AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE EQUIPMENT ITEM INTENDED TO BE SERVED. WHERE SWITCHES ARE OPERATED, PROVIDE

- EQUIPMENT SUPPORTS:**
- THE CONTRACTOR SHALL PROVIDE ALL STRUCTURAL SUPPORTS AND MOUNTING DEVICES FOR THE PROPER ATTACHMENTS OF EQUIPMENT SUPPLIED BY THIS TRADE. THIS SHALL ALSO INCLUDE STARTERS, DISCONNECTS, CONTROLLERS, ETC. FURNISHED BY THE MECHANICAL TRADE.
 - CONDUIT SUPPORTS SHALL BE PLACED AT A MAXIMUM DISTANCE OF TEN (10) FEET APART.
 - SUPPORT CEILING MOUNTED LIGHT FIXTURES FROM STRUCTURE ABOVE WITH METAL TIE WIRES.
 - PROVIDE EARTHQUAKE CLIPS AS REQUIRED BY NEC 410-16(C).
- SPECIAL REQUIREMENTS:**
- REMOVAL ALTERATIONS, RELOCATIONS AND CONNECTIONS TO EXISTING SYSTEMS:
 - CERTAIN REMOVALS AND RELOCATIONS OF EXISTING WORK WILL BE NECESSARY TO THE SATISFACTORY PERFORMANCE OF THE GENERAL WORK. ALL CHANGES CANNOT BE DETAILED ON THE DRAWINGS, BUT SHALL BE TAKEN INTO CONSIDERATION IN MAKING UP THE WORK PROPOSAL. THE SCOPE OF REMOVALS SHALL BE BASED ON ACTUAL FIELD INSPECTIONS.
 - THE ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING CIRCUITS AFFECTED BY THIS WORK.
 - IN THE EVENT ANY WIRING OR EQUIPMENT TO BE REMOVED IS IN ACTIVE USE AS DETERMINED BY THE OWNER, THIS CONTRACTOR SHALL PROVIDE TEMPORARY WIRING AS MAY BE REQUIRED TO MAINTAIN SUCH USE UNTIL THE PERMANENT RELOCATED WIRING IS INSTALLED.
 - ALL WORK REQUIRING AN OUTAGE OR AN INTERRUPTION OF SERVICE (POWER, TELEPHONE, ETC.) SHALL BE DONE ONLY AT SUCH TIME AS PERMITTED BY THE OWNER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE TO THE OWNER FOR SUCH SHUTDOWNS.
 - WHERE SECURITY AND FIRE ALARM WIRING, PANELS AND DEVICES REQUIRE REMOVAL TO COMPLETE THE WORK: REMOVAL, TEMPORARY SUPPORT AND REINSTALLATION AS A RESULT OF THE WORK SHALL BE INCLUDED IN THE CONTRACTORS SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING OPERATION OF SAME AND REINSTALLING EQUIPMENT AS PREVIOUSLY EXISTED AND FUNCTIONED. SHOULD WIRING NEED MODIFICATION CONTRACTOR SHALL PROVIDE ALL NECESSARY HOME RUNS AND WIRE REPLACEMENT TO MATCH EXISTING SO SYSTEM(S) ARE INSTALLED AND FUNCTION AS PREVIOUSLY EXISTED. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS PRIOR TO PLACING HIS BID.
 - CLOSE OUT:**
 - ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED AND TESTED FOR PROPER OPERATION. AFTER WIRES ARE IN PLACE AND CONNECTED TO DEVICES AND EQUIPMENT. THE SYSTEM SHALL BE TESTED FOR SHORTS AND GROUNDS. ALL HOT AND NEUTRAL CONDUCTORS, IF SHORTED OR GROUNDED, SHALL BE REMOVED AND REPLACED. ALL METERS, INSTRUMENTS, CABLE CONNECTIONS, EQUIPMENT OR APPARATUS NECESSARY FOR MAKING ALL TESTS, SHALL BE FURNISHED BY THIS CONTRACTOR AT HIS OWN EXPENSE.
 - TOUCH-UP OR REFINISH DAMAGED SURFACES OF FIXTURES AND EQUIPMENT, EXPOSED TO VIEW.
 - FURNISH WRITTEN ONE YEAR GUARANTEE FOR ALL ELECTRICAL WORK AND EQUIPMENT.
 - CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS AT COMPLETION OF PROJECT.
 - CONTRACTOR SHALL SUBMIT (3) THREE COPIES OF OPERATION AND MAINTENANCE MANUALS.

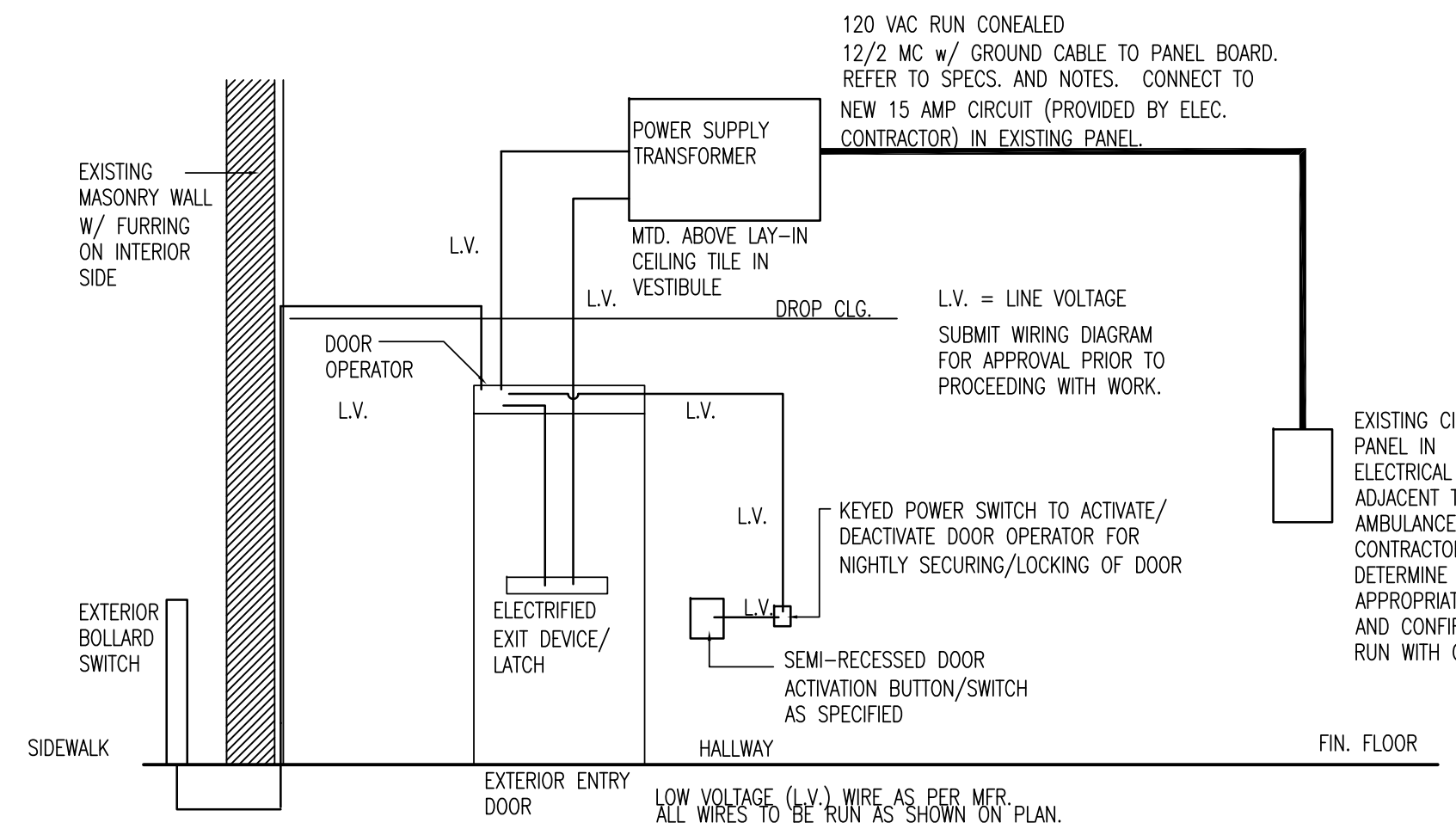
DOOR NO	DOOR				FRAME				UL LABEL	HDWR SET	REMARKS	
	TYPE	OPENING SIZE	MAT'L	GLASS	TYPE	MAT'L	JAMB	HEAD				SILL
101	A	3'-0" X 7'-0" V.I.F.	FRP	-	1	ALUM.	J1	H1	S1	-	1	PROVIDE INTERNAL RACEWAY FOR CONTROL WIRING



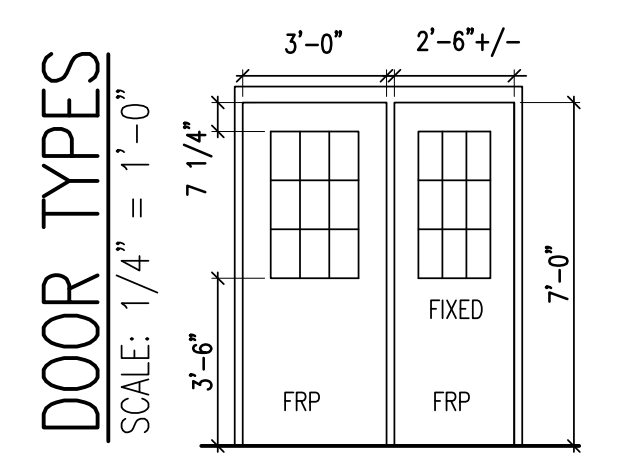
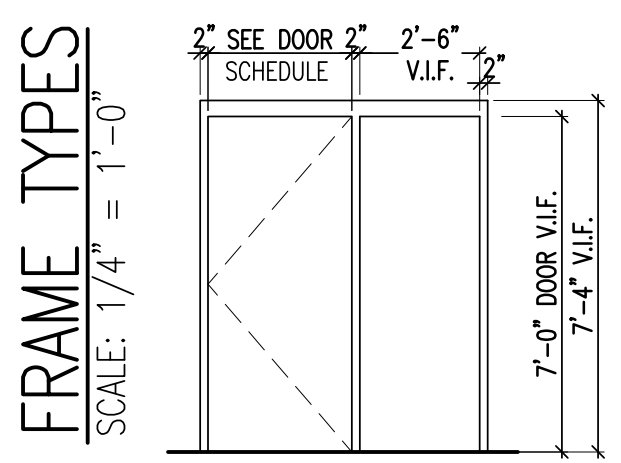
NEW DOOR NOTES:
 NEW DOOR & SIDELITE TO BE FRP, SL-20 AS MANUFACTURED BY SPECIAL-LITE OR EQUAL. W/ WIRE INTERNAL RACEWAY FOR ELECTRIC TRANSFER & ELECTRIFIED DOOR HARDWARE. ALUMINUM FRAMES TO BE TRI-FAB 451T (WITH THERMAL BREAK) AS MANUFACTURED BY KANNEER. COLOR TO BE KANNEER PERMAFLUOR WHITE.
 REFER TO SHEET A-102 FOR ADDITIONAL PROJECT SPECIFICATIONS

ELECTRICAL GENERAL NOTES

- ELECTRICAL DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONAL REQUIREMENTS, COORDINATE WITH ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR MUST REVIEW AND COORDINATE ALL WORK FOR COMPLETE INSTALLATION OF SPECIFIED DOOR OPERATOR EQUIPMENT. COORDINATE WITH DOOR HARDWARE SUPPLIER AND MANUFACTURER AS NECESSARY FOR COMPLETE INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL TRACE AFFECTED POWER PANEL BRANCH CIRCUITS IN CONTRACT AREAS TO DETERMINE WIRING CONFIGURATION OF AFFECTED AND SURROUNDING AREAS.
- THE ELECTRICAL CONTRACTOR SHALL IDENTIFY SPARE BREAKER LOCATION FOR NEW CIRCUIT BREAKER FOR NEW DOOR OPERATOR. ELECTRICAL CONTRACTOR SHALL REVIEW LOCATIONS OF EXPOSED CONDUIT RUNS WITH OWNER FOR APPROVAL PRIOR TO INSTALLING.
- AT COMPLETION OF ALL BRANCH WIRING DESCRIBED ON CONTRACT DOCUMENTS, ELECTRICAL CONTRACTOR SHALL COMPLETE A LIST OF NEW CIRCUITS TO PROVIDE AN UPDATE TO THE PANEL SCHEDULE DIRECTORY WITH DEVICE NAME AND ROOM NUMBERS BEING SERVED.
- CONDUCTOR SIZES (PHASE AND BOND) SHALL BE INCREASED DUE TO DERATING AND VOLTAGE DROP REQUIREMENTS AS NECESSARY. USE A MINIMUM #10 AWG FOR 20 AMPERE CIRCUITS AS FOLLOWS: 120V. - OVER 120', 208V. - OVER 210', 277V. - OVER 279', 480V. - OVER 484' (BASED ON LOAD AT MIDPOINT OF BRANCH CIRCUIT RUN @ 60% OF RATED LOAD). USE #8 FOR 20A. CIRCUITS @ 277V. FROM 211' TO 334' AND 20A CKTS @ 120V. FROM 191' TO 301'. (FOR #8 PROVIDE AND INSTALL SPLICE/TAP J-BOX BEFORE CONNECTION TO LOAD AND TRANSFER TO #12AWG FOR CONNECTION TO DEVICE TERMINALS).
- ALL NEW ELECTRICAL SYSTEMS, INCLUDING LIGHTING, CONDUIT, PANELS, ETC., SHALL BE SEISMICALLY BRACED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE.
- ELECTRICAL CONTRACTOR SHALL REVIEW ALL DOCUMENTS PROVIDED FOR BID AND COORDINATE WITH DOOR HARDWARE SUB CONTRACTOR AND GENERAL CONTRACTOR. DEVICE AND EQUIPMENT MOUNTING HEIGHTS ARE AS LISTED ON DRAWING AND/OR DESCRIBED IN SPECIFICATIONS UNLESS ITEMIZED BY ARCHITECTURAL DOCUMENTS.
- ELEC. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL, STORAGE AND REPLACEMENT OF EXISTING CEILING TILES FOR EXTENSION OF UTILITIES IN "OUT OF SCOPE" AREAS REQUIRED TO FEED SCOPE AREAS.
- APPLY U.L. APPROVED FIRESTOPPING("3M" FIRE STOP SEALANT 2000 AND/OR "3M" FIRE BARRIER CP25 WB) TO ALL PENETRATIONS OF FIRE RATED FLOORS, WALL AND CEILING ASSEMBLIES. RATING MUST RE-ESTABLISH THE ORIGINAL FIRE RESISTANCES.

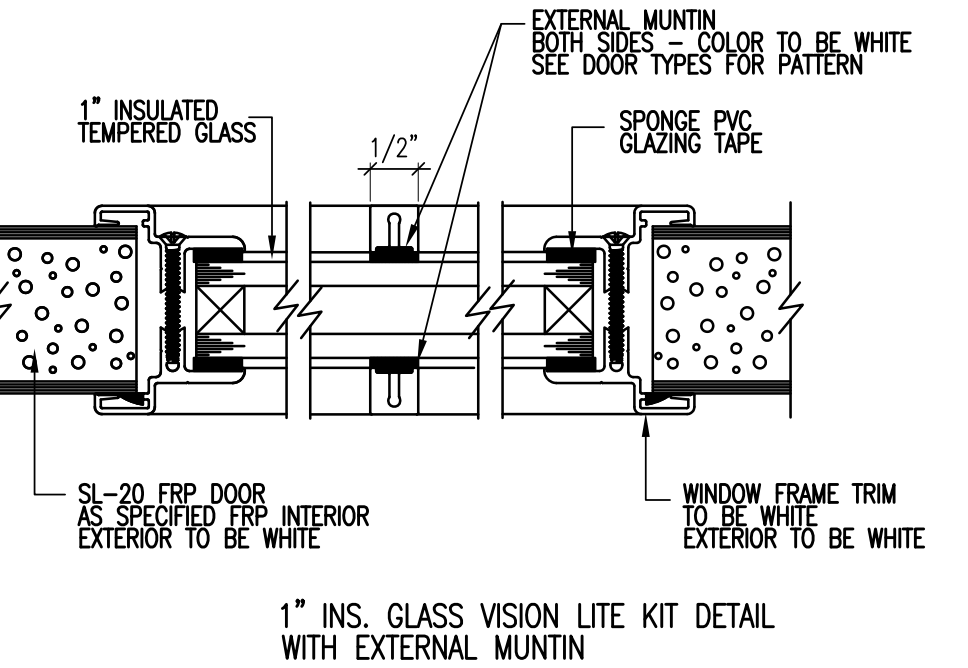


A WIRING DIAGRAM FOR DOOR OPERATORS



PROVIDE NEW TRIFAB 451T THERMALLY BROKEN ALUMINUM FRAME AS MANUFACTURED BY KANNEER OR EQUAL. ALUMINUM FRAMING TO BE KYNAR COATED, COLOR TO BE WHITE.
 PROVIDE SUBMITTALS FOR APPROVAL.

1" INSULATED, LOW-E, TEMPERED GLASS SIMULATED DIVIDED LITE AS SHOWN/ 1" APPLIED MUNTINS ON EACH SIDE OF GLAZING. ALL ACCESSORIES TO BE WHITE. PROVIDE SUBMITTALS AND SAMPLES FOR APPROVAL OPERABLE DOOR TO HAVE INTERNAL ELECTRIC RACEWAY FOR POWERING OF DOOR MTD. HARDWARE. BASIS OF DESIGN IS SPECIAL-LITE SL-20 FRP DOOR OR APPROVED EQUAL.

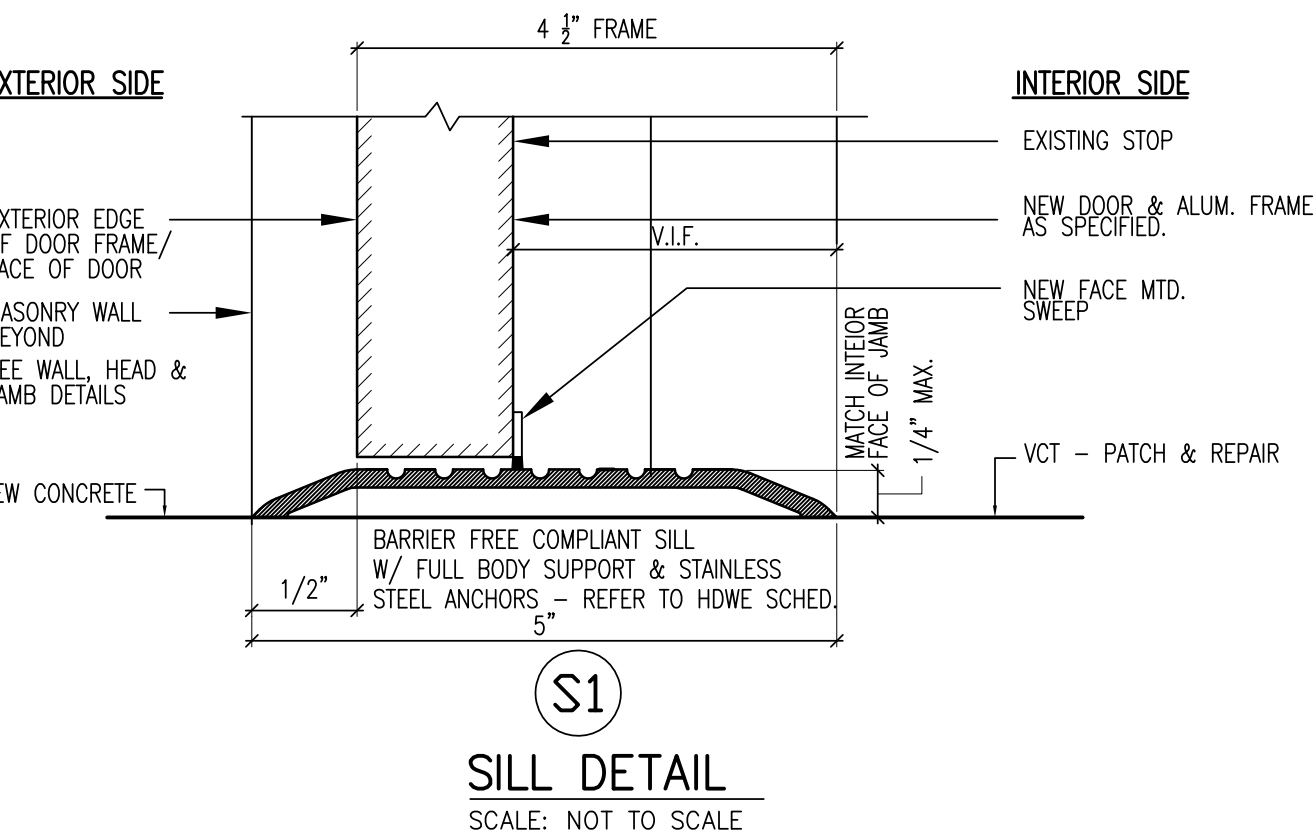


FRP DOOR & SIDELITE VISION PANEL DETAIL
 SCALE: 6" = 1'-0"

DOOR HARDWARE

- CONTINUOUS HINGE: CFM SLF-HD12ER DOOR HEIGHT, CL, ELECTRIFIED, BY PEMKO
- POWER TRANSFER: EPT10, BY VON DUPRIN
- EXIT DEVICE: QEL980D HD626, BY VON DUPRIN
- LOCKSET: SIMPLEX LP1020, W/ KEY OVERRIDE, BY KARA; CORE BY CONTRACTOR, COORDINATE WITH OWNER.
- CORE: CB807, BY FALCON
- POWER SUPPLY: PS902-4RL, BY VON DUPRIN
- MAINTAINED KEY SWITCH: 653-04, BY SCHLAGE
- MORTISE CYLINDER: C990, BY FALCON
- THRESHOLD: 545B3, FULLY BODY SUPPORT, W/ STAINLESS STEEL ANCHORS, (226SS), BY ZERO
- DOOR SWEEP: BY FRP DOOR MANUFACTURER
- AUTO OPERATOR: 8140, BY LCN
- TOUCHLESS SWITCH: 8310-813-WH, BY LCN
- SURFACE BOX INTERIOR: 8310-867S, BY LCN
- EXTERIOR BOLLARD: 8310-866 BOLLARD, BY LCN

FUNCTION:
 DAYTIME: DOG PANIC DEVICE, DEPRESSING OUTSIDE OR INSIDE OPERATOR OPENING DOOR AUTOMATICALLY.
 NIGHTTIME: UN-DOG PANIC DEVICE, TURN MK SWITCH OFF DEACTIVATES OUTSIDE ACTUATOR.
NOTE: HARDWARE SCHEDULE IS PREFERRED HARDWARE APPROVED BY OWNER.
 "OF EQUAL" SUBSTITUTES ARE PERMITTED UPON THE WRITTEN APPROVAL OF THE ARCHITECT AND MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO SUBMITTING BID/QUOTE TO OWNER.



S1 SILL DETAIL
 SCALE: NOT TO SCALE

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PROJECT:
 NEW ENTRY DOOR & DOOR HARDWARE
 AT THE ROSELAND FIRST AID SQUAD BUILDING
 300 EAGLE ROCK AVENUE
 ROSELAND, NJ 07068
 C/O
 BOROUGH OF ROSELAND
 140 EAGLE ROCK AVENUE
 ROSELAND, NJ 07068

SHEET TITLE

REVISIONS

DESCRIPTION	DATE	NO.

DRAWN BY: DD ISSUE DATE: 04.12.2021
 CHECKED BY: DRAWING NUMBER

A-101

DO NOT SCALE DRAWINGS.

ARCHITECTURAL SPECIFICATIONS:

0000 GENERAL

- CODES & STANDARDS: ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE UNIFORM CONSTRUCTION CODE OF NEW JERSEY, LATEST EDITION, AND ALL OTHER APPLICABLE CODES AND ORDINANCES WHETHER OR NOT SUCH COMPLIANCE IS INDICATED ON THE CONSTRUCTION DOCUMENTS. EXCEPT AS OTHERWISE NOTED ABOVE OR ON THE DRAWINGS, ALL WORK SHALL CONFORM TO DISTINGUISHED BUILDING STANDARDS PROVIDING SUCH STANDARDS ARE IN CONFORMANCE WITH THE ABOVE CODE. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL WORK, WHETHER HIS OWN, HIS EMPLOYEES', OR HIS SUB-CONTRACTORS'.
- CLARIFICATIONS: THE CONTRACTOR SHALL NOT SCALE OFF THE DRAWINGS; WRITTEN DIMENSIONS SHALL SUPERSEDE DIMENSIONS GIVEN ON THE DRAWINGS UNLESS INDICATED OTHERWISE.
- CLARIFICATIONS: - SHOULD THE CONTRACTOR HAVE ANY QUESTIONS ABOUT ANY INFORMATION SHOWN ON THE DRAWINGS OR THE ARCHITECT'S INTENT, HE SHALL BE RESPONSIBLE FOR CONTACTING THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED.
- ERRORS & OMISSIONS: - SHOULD ANY ERROR OR OMISSION EXIST ON DRAWINGS WHICH THE CONTRACTOR MIGHT REASONABLY BE EXPECTED TO DETECT, THE SAME SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR HIS CORRECTION PRIOR TO PROCEEDING WITH THE WORK INVOLVED. ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- SAFETY: - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PROPERTY AND PERSONAL DAMAGE OR INJURY RESULTING FROM THE CONDUCT OF THE WORK AND SHALL INDEMNIFY AND SAVE THE ARCHITECT HARMLESS FROM ALL CLAIMS FOR LOSS OF OR DAMAGE TO PROPERTY OR PERSONAL INJURY OR DEATH OF ANY AND ALL PERSONS ARISING OUT OF THE WORK OF THIS CONTRACT.
- EXISTING HAZARDOUS MATERIALS: - THE ARCHITECT HEREBY STATES THAT HE HAS NO KNOWLEDGE OF ANY POSSIBLE EXISTENCE OF ASBESTOS OR OTHER HAZARDOUS MATERIALS AT THIS SITE AND THAT HE CANNOT AND WILL NOT BE HELD LIABLE FOR ANY UNSEEN OR UNKNOWN ASBESTOS OR HAZARDOUS MATERIAL RELATED CONDITIONS THAT MAY ARISE DURING THE WORK. IF SUCH CONDITIONS SHOULD BE DISCOVERED, THE CONTRACTOR SHALL STOP ALL WORK IMMEDIATELY AND NOTIFY THE OWNER OF SUCH. THE OWNER SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR THE SAFE AND LEGAL REMOVAL OF SUCH MATERIALS AS REQUIRED. THE CONTRACTOR SHALL NOT BE EXPECTED TO RESUME WORK UNTIL SUCH REMOVAL HAS BEEN COMPLETED IN A SAFE AND LEGAL MANNER.
- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CHECK ALL MEASUREMENTS ON JOB AND SHALL BE RESPONSIBLE FOR SAME.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT BUILDING CODE AND ALL GOVERNING REGULATIONS.
- ALL OPENINGS IN WALLS, FLOORS, ROOF, ETC. TO BE LOCATED, SIZED, FURNISHED AND INSTALLED AS PER MECHANICAL AND ARCHITECTURAL REQUIREMENTS EVEN IF NOT SHOWN AS SUCH ON STRUCTURAL AND ARCHITECTURAL DRAWINGS.
- ALL WALLS SHALL BE ADEQUATELY BRACED UNTIL ROOF OR FLOOR THEY SUPPORT ARE COMPLETELY INSTALLED AND ARE STRUCTURALLY SOUND.

0330 CONCRETE

- ALL CONCRETE SHALL BE CONTROLLED CONCRETE COMPLYING WITH ALL ACI BUILDING CODE REQUIREMENTS OF A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS OF 3500 PSI.
- WHEN CONSTRUCTION JOINTS ARE USED IN SLABS, WALLS, OR BEAMS, THEY SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR AND SHALL BE KEPT.
- SLABS ON GRADE TO BE POURED IN ALTERNATE BAYS OF NOT MORE THAN 900 SQ. FT. AND 30 FEET IN ANY DIRECTION (OR SUBJECT TO SAME AREA REQUIREMENTS).
- CONTRACTOR SHALL SUBMIT A PLAN SHOWING SEQUENCE AND TYPE AND LOCATION OF PROPOSED JOINTS IN ALL SLABS TO ENGINEER FOR APPROVAL.
- ALL REINFORCING BARS SHALL BE NEW BILLET STEEL, DEFORMED TYPE, ASTM A-615.
- GRADE 60 AND SHALL COMPLY WITH ALL ACI CODE REQUIREMENTS.
- PROVIDE MINIMUM REINFORCING IN ALL CONCRETE AS PER ACI BUILDING CODE REQUIREMENTS.
- LENGTH OF REINFORCING SPACES SHALL CONFORM TO ACI BUILDING CODE REQUIREMENTS, BUT IN NO CASE SHALL BE LESS THAN 30 BAR DIAMETERS, OR AS OTHERWISE APPROVED BY THE ENGINEER.
- ALL SLABS ON EARTH SHALL BE REINFORCED WITH FIBROUS REINFORCING, WHICH SHALL BE A MINIMUM OF 1 1/2" LONG, 100% VIRGIN POLYPROPYLENE (NOT RECLAIMED MATERIAL) OR APPROVED EQUAL, AND SHALL BE ADDED AT A RATE OF 1 1/2 LBS. PER EACH CUBIC YARD OF CONCRETE. FIBROUS REINFORCING MUST BE ADDED AND MIXED INTO THE CONCRETE AS PER MANUFACTURER'S RECOMMENDATIONS. THE MANUFACTURER MUST FURNISH WRITTEN PRODUCT CERTIFICATION FOR COMPLIANCE WITH APPLICABLE MATERIAL STANDARDS OF ASTM C-1116 AND UNIFORM DISTRIBUTION OF FIBERS THROUGHOUT THE CONCRETE.
- ALL SLABS, CONCRETE PLATFORMS, PADS, ETC., NOT POURED INTEGRALLY WITH STRUCTURAL SLABS, SHALL BE REINFORCED WITH 6 x 6 - W2.9 x W2.9 WELDED WIRE MESH AT MID-DEPTH OF SLAB, UNLESS NOTED OTHERWISE.
- CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE AS FOLLOWS:
 - (a) SLABS - 3/4"
 - (b) BEAMS - 1 1/2"
 - (c) COLUMNS - 1 1/2"
 - (d) WALLS, INTERIOR FACE - 1"
 - (e) WALLS, EXTERIOR FACE (AGAINST EARTH) - 2"
 - (f) CONCRETE PLACED ON EARTH - 3"

0340 SELF-LEVELING UNDERLAYMENT

- CEMENTITIOUS SELF-LEVELING POURED FLOOR UNDERLAYMENT: FLOOR UNDERLAYMENT COMPOUND SHALL BE LEVEL-RIGHT FS-10 SELF-LEVELING FLOOR UNDERLAYMENT AS MANUFACTURED BY MAXCON CORPORATION, HAMEL, TN. MIX WATER TO BE POTABLE, FREE FROM IMPURITIES. CONCRETE PRIMER TO BE MANUFACTURER APPROVED PRIMER. SEALER TO BE MANUFACTURER APPROVED SEALER.
- CONDITION AND SUBPARA: SUBFLOOR SHALL BE STRUCTURALLY SOUND. STEEL TROWELED CONCRETE, CONCRETE SEALED WITH CURING COMPOUNDS, OR SLICK OR SMOOTH SUBSTRATE SURFACES MUST BE SHOTBLAST OR SCARIFIED. GENERAL CONTRACTOR SHALL CLEAN SUBFLOOR TO REMOVE MILK OIL, GREASE, AND OTHER CONTAMINATING FACTORS BEFORE ARRIVAL OF THE LEVEL-RIGHT FS-10 UNDERLAYMENT CUR.
- LEAK PREVENTION: FILL CRACKS AND VOIDS WITH A QUICK SETTING PATCHING OR CAULKING MATERIAL WHERE LEAKAGE OF LEVEL-RIGHT FS-10 COULD OCCUR.
- PRIMING SUBFLOOR: PRIME CONCRETE SUBFLOOR USING THE MANUFACTURER APPROVED PRIMER. PRIMING INSTRUCTIONS VARY ACCORDING TO THE POROSITY OF THE CONCRETE, MULTIPLE COATS MAY BE NECESSARY.
- ALLOW EXPANSION JOINTS TO CONTINUE THROUGH THE LEVEL-RIGHT FS-10 TO ALL THE SAME WIDTH.
- INSTALLATION OF UNDERLAYMENT SHALL BE BY AN APPLICATOR AUTHORIZED BY THE MAXCON CORPORATION USING MAXCON APPROVED MIXING AND PUMPING EQUIPMENT.

0540 COLD-ROLLED METAL FRAMING

- MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS OF ONE OF THE FOLLOWING:
 - a. DALE INDUSTRIES, INC.
 - b. DETROICH INDUSTRIES, INC.
 - c. MARINO/WARE, INC.
- SYSTEM COMPONENTS: MANUFACTURERS' STANDARD LOAD-BEARING STEEL STUDS AND JOISTS OF TYPE, SIZE, SHAPE AND GAGE AS INDICATED. WITH EACH TYPE OF METAL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING LITES, CLIP ANGLES, SHOES, REINFORCEMENTS, FASTENERS, AND ACCESSORIES FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE METAL FRAMING SYSTEM. STUDS, RUNNERS (TRACKS), BRACING AND BRIDGING SHALL BE MANUFACTURED PER ASTM C-465.
- STRUCTURAL PROPERTIES: FRAMING PRODUCTS SHALL POSSESS MINIMUM STRUCTURAL PROPERTIES EQUAL TO SECTIONS MANUFACTURED BY MARINO/WARE INCLUDING NET AREA, I, S, R, ETC.
- MATERIALS AND FINISHES:
 - a. FOR 16-GAGE AND HEAVIER UNITS, FABRICATE METAL FRAMING COMPONENTS OF STRUCTURAL QUALITY STEEL SHEET WITH A MINIMUM YIELD POINT OF 50,000 PSI; ASTM A446.
 - b. FOR 18-GAGE AND LIGHTER UNITS FABRICATE METAL FRAMING COMPONENTS OF COMMERCIAL QUALITY STEEL SHEET WITH A MINIMUM YIELD POINT OF 33,000 PSI; ASTM A446.
 - c. PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A 525 FOR MINIMUM G 60 COATING.
- FASTENERS: PROVIDE NUTS, BOLTS, WASHERS, SCREWS, AND OTHER FASTENERS WITH CORROSION-RESISTANT PLATED FINISH.
- ELECTRODES FOR WELDING: COMPLY WITH AWS CODE AS RECOMMENDED BY STUD MANUFACTURER.
- GALVANIZING REPAIR: WHERE GALVANIZED SURFACES ARE DAMAGED, PREPARE SURFACES AND REPAIR IN ACCORDANCE WITH PROCEDURES SPECIFIED IN ASTM A 780.
- COMPONENT DESIGN: CALCULATE STRUCTURAL PROPERTIES OF STUDS AND JOISTS IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
- WELDING: USE QUALIFIED WELDERS AND COMPLY WITH AMERICAN WELDING SOCIETY (AWS) D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL."
- FIRE-RATED ASSEMBLIES: WHERE FRAMING UNITS ARE COMPONENTS OF ASSEMBLIES INDICATED FOR A FIRE-RESISTANCE RATING, INCLUDING THOSE REQUIRED FOR COMPLIANCE WITH GOVERNING REGULATIONS, PROVIDE UNITS THAT HAVE BEEN APPROVED BY GOVERNING AUTHORITIES THAT HAVE JURISDICTION.
- AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) SPECIFICATIONS:
 - a. A-446 STANDARD SPECIFICATION FOR SHEET STEEL, ZINC COATED BY THE HOT DIP PROCESS, STRUCTURAL (PHYSICAL) QUALITY.
 - b. C-465 STANDARD SPECIFICATION FOR LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS, RUNNER (TRACK) AND BRACING AND BRIDGING, FOR SCREW APPLICATION OF GYPSUM BOARD AND METAL PLASTER BASES.
 - c. C-1007 STANDARD SPECIFICATION FOR THE INSTALLATION OF LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS AND RELATED ACCESSORIES.
- PRE-INSTALLATION CONFERENCE: PRIOR TO START OF INSTALLATION OF METAL FRAMING SYSTEMS, MEET AT PROJECT SITE WITH INSTALLERS OF OTHER WORK INCLUDING DOOR AND WINDOW FRAMES AND MECHANICAL AND ELECTRICAL WORK. REVIEW AREAS OF POTENTIAL INTERFERENCE AND CONFLICTS, AND COORDINATE LAYOUT AND SUPPORT PROVISIONS FOR INTERFACING WORK. COORDINATE WITH PROVISIONS OF DIVISION 1 SECTION "PROJECT MEETINGS."
- PRODUCT DELIVERY AND STORAGE: PROJECT METAL FRAMING UNITS FROM RUSTING AND DAMAGE. DELIVER TO ONE PROJECT SITE. MANUFACTURER'S UNOPENED CONTAINERS OR BUNDLES, FULLY IDENTIFIED WITH NAME, TYPE AND GRADE, STORE OFF THE GROUND IN A DRY VENTILATED SPACE OR PROTECT WITH SUITABLE WATERPROOF COVERINGS. MATERIALS SHALL BE STORED FLAT AND IN A MANNER TO PREVENT DISTORTION.

0775 FIRE STOPPING SECTION INCLUDES:

- FIRESTOPPING OF ALL PENETRATIONS THROUGH FIRE BARRIERS, INCLUDING: VOIDS AROUND PIPES, DUCTS, CONDUIT, & CABLE TRAYS, OTHER OPENINGS, AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. FIRESTOPPING OF EACH PENETRATION SHALL BE THE RESPONSIBILITY OF THE ENTITY WHO CUTS OR REQUIRES THE PENETRATION. FIRESTOPPING OF ARCHITECTURAL SLOTS AND HOLES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- FIRESTOP ALL PENETRATIONS THROUGH FIRE BARRIERS, INCLUDING VOIDS AROUND PIPES, DUCTS, CONDUIT, CABLE TRAYS, & OTHER OPENINGS, AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- FIRESTOPPING OF EACH PENETRATION SHALL BE THE RESPONSIBILITY OF THE ENTITY WHO CUTS OR REQUIRES THE PENETRATION.
- FIRESTOPPING OF ARCHITECTURAL SLOTS AND HOLES SHALL BE THE RESPONSIBILITY OF THE GENERAL WORK CONTRACTOR.
- THE GENERAL WORK CONTRACTOR SHALL OBTAIN NECESSARY INFORMATION FROM OTHER CONTRACTORS AND COORDINATE ALL FIRESTOPPING WORK WITH ALL SPECIFIED INSPECTORS, AND MAKE REQUIRED REPORTS AND SUBMITTALS RELATING TO EXTENT OF WORK REQUIRED.
- WORK NOT INCLUDED INCLUDE REPAIRING PENETRATIONS MADE IN ERROR AND REPAIRING PENETRATIONS WHICH ARE TOO LARGE TO BE SEALED BY THE METHODS INDICATED; THESE ARE TO BE REPAIRED USING THE ORIGINAL MATERIAL OF THE CONSTRUCTION.
- PRODUCTS FURNISHED BUT NOT INSTALLED INCLUDE SLEEVES WHICH ARE AN INTEGRAL PART OF THE FIRESTOPPING ASSEMBLY BUT WHICH MUST BE SET BY INSTALLER OF OTHER CONSTRUCTION. PROVIDE FIRESTOPPING MATERIALS MANUFACTURED BY THE FOLLOWING MANUFACTURERS, PROVIDED THEY COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, WHICH WILL BE AMONG THOSE CONSIDERED ACCEPTABLE: a. AMERICAN VAMAC COMPANY, INC. b. BDO FRESHFIELD, INC. c. CHASE TECHNOLOGY CORPORATION. d. DOW CORNING CORPORATION. e. FLAMMAMASTER CORPORATION. f. GE SILICONES. g. SEMCO DIVISION/PRODUCTS RESEARCH AND CHEMICAL CORPORATION. h. J.M. CERAMIC MATERIALS DEPARTMENT.
- PROVIDE PENETRATION SEAL ASSEMBLIES WHOSE FIRE-RESISTANCE RATINGS HAVE BEEN DETERMINED BY TESTING IN THE CONFIGURATIONS REQUIRED AND WHICH HAVE FIRE-RESISTANCE RATINGS AT LEAST AS HIGH AS THAT OF THE FIRE-RATED ASSEMBLY IN WHICH THEY ARE TO BE INSTALLED. T-RATING TO BE NOT LESS THAN F-RATING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TYPES OF PENETRATIONS TO BE SEALED AND TO SELECT APPROPRIATE FIRESTOPPING ASSEMBLIES. IF A TESTED ASSEMBLY IS NOT AVAILABLE FOR A PARTICULAR PENETRATION CONFIGURATION, MODIFY THE PENETRATION CONFIGURATION TO SUIT AVAILABLE ASSEMBLIES; DO NOT MODIFY ASSEMBLY CONFIGURATION EXCEPT AS SPECIFICALLY STATED IN TEST REPORT OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- PROVIDE PRODUCTS WHICH ALLOW NORMAL EXPANSION AND CONTRACTION MOVEMENT OF THE PENETRATING ITEM WITHOUT FAILURE OF THE PENETRATION SEAL, EMI NOT HAZARDOUS, COMBUSTIBLE, OR IRRITATING BY PRODUCTS DURING INSTALLATION OR CURING PERIOD, & DO NOT REQUIRE SPECIAL TOOLS FOR INSTALLATION.
- LABELS TO BE RED, PERMANENT MARKING USING THE WORDS "FIRE-RATED ASSEMBLY" - DO NOT DISTURB - SEE MAINTENANCE INSTRUCTIONS AND TESTING AGENCY DESIGNATION OR EQUIVALENT AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. FOR MARKING FIRESTOPPING ASSEMBLIES, USE SELF-ADHESIVE TAPE OR WIRED-IN LABELS. FOR MARKING FIRE BARRIERS THEMSELVES, USE LETTERS AT LEAST 2 INCHES HIGH.
- TESTING REQUIREMENTS: TESTING SHALL HAVE BEEN CONDUCTED OR WITNESSED BY AN INDEPENDENT TESTING AGENCY ACCEPTABLE TO GOVERNING AUTHORITIES. a. TEST METHODS: ASTM E 814 AND ASTM E 119; AS INDICATED FOR EACH PENETRATION SEAL. b. CONDUIT TESTS WITH A MEASURABLY HIGHER PRESSURE INSIDE THE CHAMBER THAN OUTSIDE. c. THE ASTM E 814 TEST SHALL BE TO BE USED IN THE CURRENT EDITION OF ONE OF THE FOLLOWING CLASSIFICATION GUIDES WILL BE CONSIDERED EVIDENCE OF ACCEPTABLE TESTING: UNDERWRITERS LABORATORIES INC. FIRE RESISTANCE DIRECTORY, FACTORY MUTUAL SYSTEM "APPROVAL GUIDE", & WARNOCK HERSEY "CERTIFICATION LISTINGS."

0810 FRP DOORS:

- MANUFACTURER: PROVIDE FRP DOORS AS INDICATED. MODEL SL-20 AS MANUFACTURED BY SPEAR-LITE, INC. OR APPROVED EQUAL.
- DOOR OPENING SIZE: AS INDICATED ON DRAWINGS.
- CONSTRUCTION:
 - a. DOOR THICKNESS: 1-3/4 INCHES.
 - b. STILES AND RAILS: ALUMINUM ALLOY 6063-T5, MINIMUM OF 2-5/16" INCH DEPTH.
 - c. CORNERS: MITERED.
 - d. PROVIDE JOINERY OF 3/8" INCH DIAMETER FULL-WIDTH THE ROOFS THROUGH EXTRUDED SPLINES TOP AND BOTTOM AS STANDARD TUBULAR SHAPED STILES AND RAILS REINFORCED TO ACCEPT HARDWARE AS SPECIFIED.
 - e. SECURING INTERNAL DOOR EXTRUSIONS: 3/16" ANGLE BLOCKS AND HEX- TYPE NUTS FOR JOINERY. WELDS, GLUE, OR OTHER METHODS ARE NOT ACCEPTABLE.
 - f. FURNISH EXTRUDED STILES AND RAILS WITH INTERNAL REGLETS TO ACCEPT SHEET AND LOCK IT INTO PLACE TO PERMIT FLUSH APPEARANCE.
 - RAIL CAPS OR OTHER FACE SHEET CAPTURE METHODS ARE NOT ACCEPTABLE.
- EXTERIOR FACE: INSTALL BOTTOM WEATHER BAR, WITH NYLON BRUSH WEATHERSTRIPPING, INTO EXTRUDED INTERLOCKING EDGE OF BOTTOM RAIL.
- EXTERIOR FACE SHEET:
 - a. MATERIAL: SPECIFIED FRP, 0.120-INCH THICKNESS, FINISH COLOR THROUGHOUT.
 - b. TEXTURE: PEBBLE.
 - c. COLOR: WHITE.
- INTERIOR FACE:
 - a. MATERIAL: SPECIFIED FRP, 0.120-INCH THICKNESS, FINISH COLOR THROUGHOUT.
 - b. TEXTURE: PEBBLE.
 - c. COLOR: WHITE.
- CORE:
 - a. MATERIAL: POURED-IN-PLACE POLYURETHANE FOAM.
 - b. DENSITY: MINIMUM OF 5 POUNDS PER CUBIC FOOT.
 - c. R-VALUE: MINIMUM OF 11.
- CUTOUTS:
 - a. MANUFACTURE DOORS WITH CUTOUTS FOR REQUIRED VISION LITES, LOUVERS, AND PANELS.
 - b. FACTORY INSTALL VISION LITES, LOUVERS, AND PANELS.
- HARDWARE:
 - a. PREMACHINE DOORS IN ACCORDANCE WITH TEMPLATES FROM SPECIFIED HARDWARE MANUFACTURERS AND HARDWARE SCHEDULE.
 - b. FACTORY INSTALL HARDWARE.
 - c. DOOR HARDWARE SPECIFIED ON DRAWINGS.
- WEATHERSTRIPPING:
 - a. AT FIXED EDGES: REPLACEMENT, COMPRESSION TYPE MOULDED GASKETS OF NEOPRENE OR EPDM RUBBER COMPLYING WITH ASTM C884 OR OF POLYVINYL CHLORIDE COMPLYING WITH ASTM D 2287.
 - b. AT OTHER EDGES: REPLACEABLE WOVEN POLYPROPYLENE, WOOL, OR NYLON PILE, WITH ALUMINUM OR NYLON FABRIC BACKING, COMPLYING WITH AAMA 701.
 - c. AT DOOR BOTTOM: ADJUSTABLE MOLDED EPDM OR NYLON SWEEP, CONTINUOUSLY CONTACTING THRESHOLD; CONCEALED MOUNTING.
 - d. PROVIDE WEATHERSTRIPPING ON ALL EXTERIOR DOORS.
- FABRICATION:
 - a. ANY DIMENSIONS WHICH MAY VARY ARE INDICATED ON DRAWINGS, WITH AMOUNT OF DIMENSIONAL VARIATION ALLOWED.
 - b. FRAMING SYSTEM: PRE-CUT AND PERFORM ALL FINISHING IN FACTORY OR SHOP.
 - i. FIT JOINTS TIGHTLY WITH ADJACENT MEMBERS IN CORRECT RELATIONSHIP.
 - ii. SELECT MEMBERS FOR FABRICATION SO THAT ADJACENT ANODIZED EXTRUDED ALUMINUM MEMBERS DO NOT HAVE COLOR OR TEXTURE VARIATION GREATER THAN 1/16" IN THE RANGE INDICATED IN THE SUBMITTED SAMPLES.
 - c. DOORS: FACTORY FABRICATED FRP DOORS.
 - d. PERFORM FABRICATION REQUIRED FOR HARDWARE BEFORE FINISHING.
 - e. WELDING: PERFORM WELDING BEFORE FINISHING, USE METHODS WHICH DO NOT DISCOLOR METAL; GRIND EXPOSED WELDS FLUSH; MATCH ORIGINAL FINISH.
 - f. REINFORCING: PROVIDE AS REQUIRED TO COMPLY WITH PERFORMANCE REQUIREMENTS FOR RIGIDITY AND TO SUPPORT HARDWARE, ISOLATE DISJUNCTIVE METALS AS SPECIFIED IN "INSTALLATION."
 - g. ANODIZE DAMAGE TO FINIS.
 - h. FRP DOORS SHALL BE 1-3/4" THICK WITH ALUMINUM ALLOY RAILS AND STILES AND STEEL E-6003 CORE OF FORMED IN PLACE URETHANE OF 5 LB PER C.F. DENSITY, UNLER SHEET OF 0.032.
 - i. ALUMINUM AND PEBBLED FACE SHEET OF .120 FIBERGLASS REINFORCED POLYESTER (FRP).
 - j. WEATHER STRIPPING: MEETING STILES ON PARS OF DOORS SHALL BE EQUIPPED WITH AN ADJUSTABLE ADJUSTABLE UTILIZING WOOL PILE.
 - k. SLIP SHEET STRIPS: EPDM BLADE GASKET SWEEP STRIP IN AN ALUMINUM EXTRUSION IS APPLIED TO THE INTERIOR EXPOSED SURFACE OF THE BOTTOM RAIL WITH CONCEALED FASTENERS.
 - l. THRESHOLD: AS DETAILLED, SEE HARDWARE SCHEDULE.
 - m. THE FINISH HARDWARE SUPPLIER SHALL BE RESPONSIBLE FOR INSURING THAT THE HARDWARE SPECIFIED IS FULLY COMPATIBLE WITH THE FRP DOORS AND ALUMINUM ENTRANCES AND FINISHES SPECIFIED IN THIS SECTION.

0820 ALUMINUM FRAMED ENTRANCES AND STOREFRONTS

- BAKNEER WINDOW PRODUCT:
 - a. WINDOW FRAME: TRIFAB VC 451 (NON-THERMAL), 2" X 4-1/2" SYSTEM DIMENSIONS, CENTER GLAZED.
- ALUMINUM FRAME ENTRANCES AND STOREFRONT FRAMING SYSTEMS:
 - a. EXTERIOR ENTRANCE AND WINDOW FRAMING: THERMAL BARRIER (TRIFAB VC 4511 - 2 1/4" x 1 1/4" FINISHER SIZING) SHALL BE FABRICATED WITH A 1/2" (1.6 MM) SEPARATION CONSISTING OF A TWO-PART CHEMICALLY CURING, HIGH-DENSITY POLYURETHANE, WHICH IS MECHANICALLY AND ADHESIVELY JOINED TO ALUMINUM STOREFRONT SECTIONS.
 - i. THERMAL BREAK SHALL BE DESIGNED IN ACCORDANCE WITH AAMA TR-68 AND TESTED IN ACCORDANCE WITH AAMA 505.
 - ii. BRACKETS AND REINFORCEMENTS: MANUFACTURER'S STANDARD HIGH-STRENGTH ALUMINUM WITH NONSTAINING, NONFERROUS SHIMS FOR ALKALINE SYSTEM COMPONENTS.
 - iii. FASTENERS AND ACCESSORIES: MANUFACTURER'S STANDARD CORROSION-RESISTANT, NONSTAINING, NONBLEEDING FASTENERS AND ACCESSORIES COMPATIBLE WITH ADJACENT MATERIALS. WHERE EXPOSED SHALL BE STAINLESS STEEL.
 - iv. PERIMETER ANCHORS: WHEN STEEL ANCHORS ARE USED, PROVIDE INSULATION BETWEEN STEEL MATERIAL AND ALUMINUM MATERIAL TO PREVENT GALVANIC ACTION.
 - v. PACKING, SHIPPING, HANDLING AND UNLOADING: DELIVER MATERIALS IN MANUFACTURER'S ORIGINAL UNOPENED, UNDAMAGED CONTAINERS WITH IDENTIFICATION LABELS INTACT.
 - vi. STORAGE AND PROTECTION: STORE MATERIALS PROTECTED FROM EXPOSURE TO HARMFUL WEATHER CONDITIONS. HANDLE STOREFRONT MATERIAL AND COMPONENTS TO AVOID DAMAGE. PROTECT STOREFRONT MATERIAL AGAINST DAMAGE FROM ELEMENTS, CONSTRUCTION ACTIVITIES, AND OTHER HAZARDS BEFORE, DURING AND AFTER STOREFRONT INSTALLATION.

3. STOREFRONT SYSTEM PERFORMANCE REQUIREMENTS:

- WIND LOADS: PROVIDE STOREFRONT SYSTEM; INCLUDE ANCHORAGE, CAPABLE OF WITHSTANDING WIND LOAD DESIGN PRESSURES IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE.
- AIR INFILTRATION: THE TEST SPECIMEN SHALL BE TESTED IN ACCORDANCE WITH ASTM E 283. AIR INFILTRATION RATE SHALL NOT EXCEED 0.06 CFM/FT² (0.3 L/S · M²) AT A STATIC AIR PRESSURE DIFFERENTIAL OF 6.24 PSF (300 PA).
- WATER RESISTANCE: THE TEST SPECIMEN SHALL BE TESTED IN ACCORDANCE WITH ASTM E 331. THERE SHALL BE NO LEAKAGE AT A MINIMUM STATIC AIR PRESSURE DIFFERENTIAL OF 8 PSF (383 PA) AS DEFINED IN AAMA 501.
- UNIFORM LOAD: A STATIC AIR DESIGN LOAD OF 20 PSF (958 PA) SHALL BE APPLIED IN THE POSITIVE AND NEGATIVE DIRECTION IN ACCORDANCE WITH ASTM E 330. THERE SHALL BE NO DEFLECTION IN EXCESS OF 1/175 OF THE SPAN OF ANY FRAMING MEMBER. AT A STRUCTURAL TEST LOAD EQUAL TO 1.5 TIMES THE SPECIFIED DESIGN LOAD, NO GLASS BREAKAGE OR PERMANENT SET OF THE FRAMING MEMBERS IN EXCESS OF 0.2% OF THEIR CLEAR SPANS SHALL OCCUR.

- ALUMINUM FINISHES:
 - a. FINISH DESIGNATIONS PREFIXED BY A COMPLY WITH THE SYSTEM ESTABLISHED BY THE ALUMINUM ASSOCIATION FOR DESIGNATING ALUMINUM FINISHES.
 - b. FACTORY FINISHING:
 - i. LAMINAR FLOW FINISH (70% PVDF, AAMA 2605, FLUOROPOLYMER COATING, COLOR TO BE WHITE FROM MANUFACTURER FULL RANGE COLOR CHART INCLUDING PREMIUM COLORS. CONTRACTOR SHALL PROVIDE COLOR CHART.

0880 GLAZING SECTION INCLUDES:

- GLASS MANUFACTURERS: - GENERAL: OBTAIN MATERIALS FROM ONLY ONE MANUFACTURER OR FABRICATOR FOR EACH TYPE; OBTAIN TINTED PRIMARY GLASS USED FOR EACH TYPE FROM ONLY ONE MANUFACTURER. WHERE PRODUCT NAMES ARE INDICATED, COMPARABLE PRODUCTS OF THE MANUFACTURERS LISTED WILL BE CONSIDERED FOR SUBSTITUTION.
- INSULATING GLASS UNITS-PRIMARY FLOAT GLASS AND HEAT TREATED GLASS: PRODUCTS OF THE FOLLOWING MANUFACTURERS, PROVIDED THEY COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, WILL BE AMONG THOSE CONSIDERED ACCEPTABLE: a. AFG INDUSTRIES, INC. b. GUARDIAN INDUSTRIAL PRODUCTS, INC. c. PPG INDUSTRIES, INC. d. MIRROR GLASS: PRODUCTS OF THE FOLLOWING MANUFACTURERS, PROVIDED THEY COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, WILL BE AMONG THOSE CONSIDERED ACCEPTABLE: a. MIRROR GLASS: PRODUCTS OF THE FOLLOWING MANUFACTURERS, PROVIDED THEY COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, WILL BE AMONG THOSE CONSIDERED ACCEPTABLE: a. AFG INDUSTRIES, INC. b. GUARDIAN INDUSTRIAL PRODUCTS, INC. c. PPG INDUSTRIES, INC.
- GLASS TYPES - GENERAL: PROVIDE GLASS TYPES FABRICATED OF THE GLASS PRODUCTS INDICATED. SELECT PRODUCTS TO COMPLY WITH PERFORMANCE REQUIREMENTS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. EXTERIOR GLASS THICKNESS: 1" INCH. . NOMINAL UNLESS OTHERWISE INDICATED. FABRICATE GLASS WITH BITE AND EDGE CLEARANCE DIMENSIONS, INCLUDING TOLERANCES, AS RECOMMENDED BY MANUFACTURER AND FORM "GLAZING MANUAL," WHERE SAFETY GLAZING IS REQUIRED BY GOVING AUTHORITIES, PROVIDE CERTIFIED SAFETY GLAZING. CUT TEMPERED GLASS TO SIZE AND SHAPE AND DRILL HOLES PRIOR TO TEMPERING. CUT OR DRILL HOLES IN LAMINATED UNITS. GRIND EXPOSED EDGES SMOOTH, USING METHODS RECOMMENDED BY MANUFACTURER.
- INSULATING UNITS: EXTERIOR PANE: LOW-EMISSIVITY COATED GLASS. COLOR: CLEAR. COATING: VACUUM DEPOSITION TYPE. FULLY TEMPERED.
- SUBMIT A WRITTEN WARRANTY GUARANTEEING TO CORRECT FAILURES IN GLAZING WHICH OCCUR WITHIN THE PERIOD INDICATED AFTER SUBSTANTIAL COMPLETION, WITHOUT REDUCING OR OTHERWISE LIMITING ANY OTHER WARRANTY WHICH THE OWNER MAY HAVE UNDER THE CONTRACT DOCUMENTS. WEATHERIGHT WARRANTY: SIGNED BY INSTALLER AND CONTRACTOR, FOR 5 YEARS. FAILURE IS DEFINED AS WATER LEAKAGE THROUGH GLAZING ASSEMBLY. CORRECTION MAY INCLUDE REPAIR OR REPLACEMENT. WARRANTY ON INSULATING GLASS: 10 YEARS.

0920 GYPSUM SYSTEMS SECTION INCLUDES:

- GYPSUM FIBER PANELS, METAL SUPPORT SYSTEMS:
 - a. DRYWALL FINISHING.
 - b. REGULATORY REQUIREMENTS: AT LOCATIONS INDICATED ON DRAWINGS, PROVIDE FIRE-RATED ASSEMBLIES TESTED IN ACCORDANCE WITH ASTM E 119 AND ACCEPTABLE TO AUTHORITIES FOR RATINGS REQUIRED. PROVIDE ASSEMBLIES AS LISTED IN THE FOLLOWING: a. GA-600, "FIRE RESISTANCE DESIGN MANUAL"; b. UNDERWRITERS LABORATORIES INC.'S (UL) "FIRE RESISTANCE DIRECTORY".
- FRAMING MATERIALS:
 - a. GENERAL: SELECT SIZE AND GAGE OF FRAMING MEMBERS AND ESTABLISH SPACING TO COMPLY WITH REQUIREMENTS OF ASTM C 754 UNLESS OTHERWISE SPECIFICALLY INDICATED. MAXIMUM DEFLECTION: 1/120 AT 100 LB PER SQUARE FOOT. MINIMUM GAUGE FOR ALL INTERIOR METAL STUDS: 20 GAUGE, UNLESS HEAVIER GAUGE IS REQUIRED.
 - b. STUDS AND TRACKS: ASTM C 645, STEEL WITH PROTECTIVE COATING. NOMINAL DEPTH: 3-5/8 INCHES. MINIMUM UNIFORM THICKNESS: 20, UNLESS HEAVIER GAUGE IS REQUIRED.
 - c. FURRING MEMBERS: ASTM C 645, STEEL WITH PROTECTIVE COATING. HAT-SHAPED EXCEPT AS OTHERWISE INDICATED.
 - d. FURRING FASTENERS/CONNECTORS: MANUFACTURER'S RECOMMENDED SYSTEM FOR SPECIFIC APPLICATION INDICATED, COMPLYING WITH ASTM C 754. USE GALVANIZED ANCHORS FOR MASONRY.
 - e. MANUFACTURERS: PRODUCTS OF THE FOLLOWING MANUFACTURERS, PROVIDED THEY COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, WILL BE AMONG THOSE CONSIDERED ACCEPTABLE: a. WYLE/INCO, GOLD BOND BUILDING PRODUCTS, A NATIONAL GYPSUM DIVISION, MARINO/WARE, UNIMASK, INC. (FORMERLY A PART OF USG), USING CORROSION-RESISTANT METAL.
- GYPSUM FIBER PANELS: ASTM C 36; MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END BUTT JOINTS IN EACH AREA RECEIVING FINISHED GYPSUM BOARD.
 - a. ALL GYPSUM WALLBOARD SHALL BE GYPSUM FIBER PANELS.
 - b. FIRE-RESISTANT TYPE (TYPE X OR EQUIVALENT), WHERE REQUIRED FOR FIRE-RESISTANT RATED ASSEMBLIES.
 - c. EDGES: TAPERED.
 - d. THICKNESS: 5/8 INCH, EXCEPT AS OTHERWISE SHOWN.
 - e. IMPACT RESISTANCE: NO FAILURES AFTER 100 IMPACTS WHEN TESTED IN ACCORDANCE WITH ASTM E-695.
 - f. INDENTATION RESISTANCE: NOT LESS THAN 266 LBS. TO PRODUCE 0.200 IN DEPTH WHEN PRODUCED IN ACCORDANCE WITH ASTM D-10-10.
 - g. SURFACE ABRASION RESISTANCE: NOT GREATER THAN 0.001 IN. WHEN TESTED AT 250 CYCLES IN ACCORDANCE WITH ASTM D-4977.
- TRIM & ACCESSORIES:
 - a. GENERAL: EXCEPT AS OTHERWISE SPECIFICALLY INDICATED, PROVIDE TRIM AND ACCESSORIES BY MANUFACTURER OF GYPSUM BOARD MATERIALS, MADE OF GALVANIZED STEEL OR ZINC ALLOY AND CONFIGURED FOR CONCEALMENT IN JOINT COMPOUND. INCLUDE CORNER BEADS, EDGE TRIM, AND OTHER TRIM UNITS NECESSARY FOR PROTECT CONDITIONS. PROVIDE ACCESSORIES AS REQUIRED IN ORDER TO ACHIEVE DETAILS INDICATED, WHETHER OR NOT SPECIFIC ACCESSORIES ARE SHOWN ON THE DRAWINGS.
 - b. EXPOSED TRIM: AT LOCATIONS INDICATED, PROVIDE MANUFACTURER'S STANDARD METAL TRIM UNITS DESIGNED TO BE LEFT EXPOSED OR SEMIEXPOSED.
 - c. CONTROL JOINTS: AT LOCATIONS INDICATED, PROVIDE MANUFACTURER'S STANDARD ONE-PIECE CONTROL JOINTS OF EXTRUDED VINYL, ZINC ALLOY, OR OTHER NONCORROSIVE METAL.
- JOINT TREATMENT:
 - a. GENERAL: PROVIDE PRODUCTS BY MANUFACTURER OF GYPSUM BOARDS. COMPLY WITH ASTM C 475 AND WITH MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC PROJECT CONDITIONS.
 - b. JOINT TAPE: MANUFACTURER'S STANDARD PAPER REINFORCING TAPE. JOINT TAPE FOR WATER-RESISTANT BOARD: IF RECOMMENDED BY MANUFACTURER, PROVIDE OPEN-WEAVE FIBERGLASS TAPE FOR JOINT TREATMENT OF WATER-RESISTANT GYPSUM BACKING BOARD.
 - c. SETTING TYPE JOINT COMPOUND: CHEMICAL HARDENING TYPE, FOR INTERIOR USE, TAPING AND PRE-LINING.
 - d. DRYING TYPE JOINT COMPOUND: VINYL-BASED READY-MIXED TYPE FOR INTERIOR USE, AND AS FOLLOWS: TOPPING COMPOUND: TYPE SPECIFICALLY FORMULATED FOR FINISHING DRYWALL OVER TAPING COMPOUND.
 - e. JOINT COMPOUND: AT JOINTS AND FASTENERS IN WATER-RESISTANT GYPSUM BACKING BOARD INTENDED FOR TILE SURFACING, PROVIDE COMPOUND SPECIFICALLY RECOMMENDED OR PERMITTED BY MANUFACTURER OF GYPSUM BOARD.

0960 RESILIENT TILE FLOORING SECTION INCLUDES:

- VINYL COMPOSITION TILE: FS SS-T-312, TYPE W1, 12 INCHES BY 12 INCHES. ASTM F-1066. MANUFACTURER BASIS OF DESIGN TO BE ARMSTRONG; PREMIUM EXCELLO TILE "STONEITE". COMPOSITION 1 FREE OF ASBESTOS. GAGE TO BE 1/8 INCH. CLASS 2 THROUGH PATTERN. COLORS AS PER FINISH PLAN.
- WALL BASE: FS SS-W-40, EITHER TYPE I RUBBER OR TYPE II VINYL, AND AS FOLLOWS: PRODUCTS OF THE FOLLOWING MANUFACTURERS, PROVIDED THEY COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, WILL BE AMONG THOSE CONSIDERED ACCEPTABLE: ARMSTRONG WORLD INDUSTRIES, INC., AZROCK INDUSTRIES INC., BURKE INDUSTRIES, INC., FLEXCO COMPANY, JOHNSONITE, INC., BASE HEIGHT TO BE 4 INCHES. THICKNESS TO BE 1/8 INCH. STYLE TO BE STANDARD TEO BASE OR STROK, NO-TOE BASE. CONNECTORS TO BE PERFORMED OR MOLDED UNITS MATCHING BASE IN COLOR AND FINISH. DULL, OR MATTE FINISH.

0920 PAINTING SECTION INCLUDES:

- PAINTING AND FINISHING OF EXPOSED INTERIOR ITEMS AND SURFACES:
 - i. BRAND-NAME PRODUCTS LISTED IN THE SCHEDULE AT THE END OF THIS SECTION AND MADE BY THE FOLLOWING MANUFACTURER ARE THE BASIS OF THE CONTRACT DOCUMENTS: SHERWIN WILLIAMS COMPANY. PRODUCTS MADE BY ONE OF THE FOLLOWING MANUFACTURERS WILL BE CONSIDERED IN ACCORDANCE WITH STANDARD SUBSTITUTION PROCEDURES: THE GIDDEN COMPANY, PPG INDUSTRIES, SHERWIN WILLIAMS, BENJAMIN MOORE & COMPANY.
 - ii. PROVIDE THREE COATS: ONE PRIMER, TWO FINISH.
 - iii. COAT COLORS TO BE SELECTED TO MATCH EXISTING AND AS APPROVED BY OWNER/ARCHITECT. COAT COLORS TO SURFACES THAT ARE CLEAN AND PROPERLY PREPARED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND AS HEREIN SPECIFIED. REMOVE DIRT, DUST, GREASE, OILS, AND FOREIGN MATTER. PREPARE SURFACE FOR PROPER TEXTURE NECESSARY TO OPTIMUM COATING ADHESION AND INTENDED FINISHED APPEARANCE. PLAN CLEANING, PREPARATION, AND COATING OPERATIONS TO AVOID CONTAMINATION OF FRESHLY COATED SURFACES. DO NOT APPLY COATINGS TO LABELS THAT IDENTIFY EQUIPMENT, FIRE-RESISTANCE RATINGS, ETC. REMOVE HARDWARE, COVER PLATES, AND SIMILAR ITEMS BEFORE APPLYING COATINGS. PROVIDE PROTECTION FOR NON-REMOVABLE ITEMS NOT SCHEDULED FOR REMOVAL AND REPLACEMENT OF SUCH ITEMS. PROTECT SURFACES NOT SCHEDULED FOR COATING, CLEAN, REPAIR, OR REPLACE TO THE SATISFACTION OF THE ARCHITECT ANY SURFACES INADVERTENTLY SPATTERED OR COATED.
 - iv. GYPSUM PRODUCTS: LATEX-FILL MINOR DEFECTS. SPOT-PRIME DEFECTS AFTER REPAIR.
 - v. APPLY COATINGS IN ACCORDANCE WITH COATING MANUFACTURER'S INSTRUCTIONS AND USING APPLICATION METHOD BEST SUITED FOR OBTAINING FULL UNIFORM COVERAGE OF SURFACES TO BE COATED. APPLY NOT LESS THAN THE NUMBER OF COATS INDICATED. APPLY EACH COAT TO ACHIEVE NOT LESS THAN THE DRY FILM THICKNESS INDICATED PER COAT. APPLY ADDITIONAL COATS AT NO ADDITIONAL COST TO THE OWNER WHEN NECESSARY TO ACHIEVE COMPLETE HIDE, UNIFORM TEXTURE, OR UNIFORM SHEEN AND APPEARANCE.

GENERAL NOTES

ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE (N.J.U.C.C.), INTERNATIONAL BUILDING CODE - 2015, NEW JERSEY EDITION (IBC-2015, N.J.) & LATEST ADOPTED NATIONAL ELECTRIC CODE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING WORK OF G.C.'S SUB-CONTRACTORS. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL GOVERNING BODY HAVING JURISDICTION & LOCAL ZONING CODES.

ALL CONTRACTORS AND SUB-CONTRACTORS SHALL BE LICENSED IN THE STATE OF NEW JERSEY.

ALL WORK THAT IS EITHER IMPLIED OR REASONABLY INFERRABLE FROM THE CONTRACT DOCUMENTS, DRAWINGS AND/OR SPECIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DRAWINGS AND SPECIFICATIONS ARE DIRECTED TO THE ATTENTION OF THE CONTRACTOR AND THE INCLUSION OF ANY WORK BY MENTION, NOTE, DETAIL, ITEMIZATION OR IMPLICATION, HOWEVER BRIEF, MEANS THAT THE CONTRACTOR SHALL PROVIDE AND INSTALL SAME. ALL WORK PERFORMED SHALL INCLUDE ALL APPURTENANCES AND APPARATUS NORMALLY DEEMED TO BE A PART OF A COMPLETE PACKAGE WITHIN THE DEFINITIONS OF NATIONAL INDUSTRY STANDARDS. EACH SUB-TRADE SHALL BE RESPONSIBLE FOR REVIEWING THE ENTIRE SET OF DRAWINGS AND SPECIFICATIONS AND NOTING HIS WORK AS APPLICABLE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TRADES WITH SCOPE OF WORK.

WHEN SO DIRECTED, AND UPON WRITTEN APPROVAL, ALL CONTRACTORS SHALL PERFORM WORK IN OVERTIME AND THE ADDITIONAL COST TO THE TENANT SHALL BE THE ACTUAL DIFFERENCE BETWEEN OVERTIME WAGE COSTS AND REGULAR TIME WAGE COSTS.

A COPY OF THE LATEST SET OF CONSTRUCTION DRAWINGS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE ARCHITECT/OOWNER/INSPECTORS AT ALL TIMES. PAYMENT SCHEDULES/REQUISITIONS FOR PAYMENTS FROM THE CONTRACTOR TO THE OWNER SHALL BE REVIEWED WITH OWNER PRIOR TO COMMENCING WORK. SUBSTITUTIONS FOR MATERIALS SHALL BE REVIEWED WITH THE OWNER AND ARCHITECT PRIOR TO AWARDING OF THE CONTRACT AND ALL SUBSTITUTIONS MUST RECEIVE WRITTEN APPROVAL FROM THE OWNER AND/OR ARCHITECT. ALL MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REVIEW PHASING WITH OWNER PRIOR TO COMMENCING WORK. THE OWNER WILL HAVE FINAL SAY IN APPROVAL OF PHASING. THE OWNER RESERVES THE RIGHT TO LET OTHER CONTRACTS IN CONNECTION WITH THE WORK OF THE PROJECT. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK ESTABLISHING SCHEDULES FOR ALL TRADES. HE SHALL AFFORD OTHER CONTRACTORS REASONABLE OPPORTUNITY FOR THE INTRODUCTION AND STORAGE OF THEIR MATERIALS, EQUIPMENT AND THE EXECUTION OF THEIR WORK.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PROPERTY AND PERSONAL DAMAGE OR INJURY RESULTING FROM THE CONDUCT OF THE WORK AND SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND ARCHITECT FROM ALL CLAIMS FOR LOSS OR DAMAGE OF PROPERTY OR PERSONAL INJURY OR DEATH OF ANY AND ALL PERSONS ARISING OUT OF THE WORK OF HIS CONTRACT AND/OR ASSOCIATED WITH THE WORK INDICATED IN THE DRAWINGS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PROJECT THROUGH INSPECTION OF THE SITE, THE DRAWING SPECIFICATION, SO AS TO THOROUGHLY UNDERSTAND THE WORK. ANY AND ALL DISCREPANCIES, INCONSISTENCIES, AND/OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT AND/OR OWNER PRIOR TO COMMENCEMENT OF ANY WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT DISCREPANCIES OR OMISSIONS ARE REPORTED AND CLARIFICATION IS OBTAINED FROM THE PRIOR TO WORK BEING DONE. ANY WORK THAT PROCEEDS OTHERWISE SHALL BE, IF INCORRECTLY PERFORMED, REPLACED OR REPAIRED WITH THE COST FOR SAME BEING BORNE BY THE CONTRACTOR. HE SHALL VERIFY ALL DIMENSIONS FOR COORDINATION.

THE ARCHITECT HEREBY STATES THAT HE HAS NO KNOWLEDGE OF ANY POSSIBLE EXISTENCE OF ASBESTOS OR OTHER HAZARDOUS MATERIALS AT THE SITE AND THAT HE CANNOT AND WILL NOT BE HELD LIABLE FOR ANY UNSEEN OR UNKNOWN ASBESTOS OR HAZARDOUS MATERIALS RELATED TO CONDITIONS THAT MAY ARISE DURING THE WORK. IF SUCH CONDITIONS SHOULD BE DISCOVERED, THE CONTRACTOR SHALL STOP ALL WORK IMMEDIATELY AND NOTIFY THE OWNER/ TENANT OF SUCH. THE OWNER SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR SAFE AND LEGAL REMOVAL OF SUCH MATERIALS AS REQUIRED. THE CONTRACTOR SHALL NOT BE EXPECTED TO RESUME THE WORK UNTIL SUCH REMOVALS ARE EFFECTED IN A SAFE AND LEGAL MANNER. DRAWINGS ARE NOT TO BE SCALED. WRITTEN DIMENSIONS SHALL GOVERN. IF ANY DIMENSIONS ARE UNCLEAR, CLARIFY THE CONDITION(S