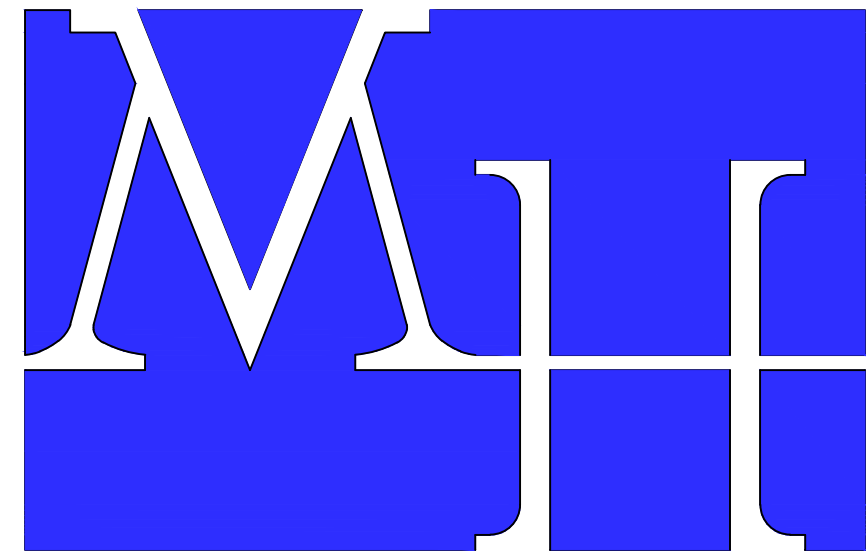
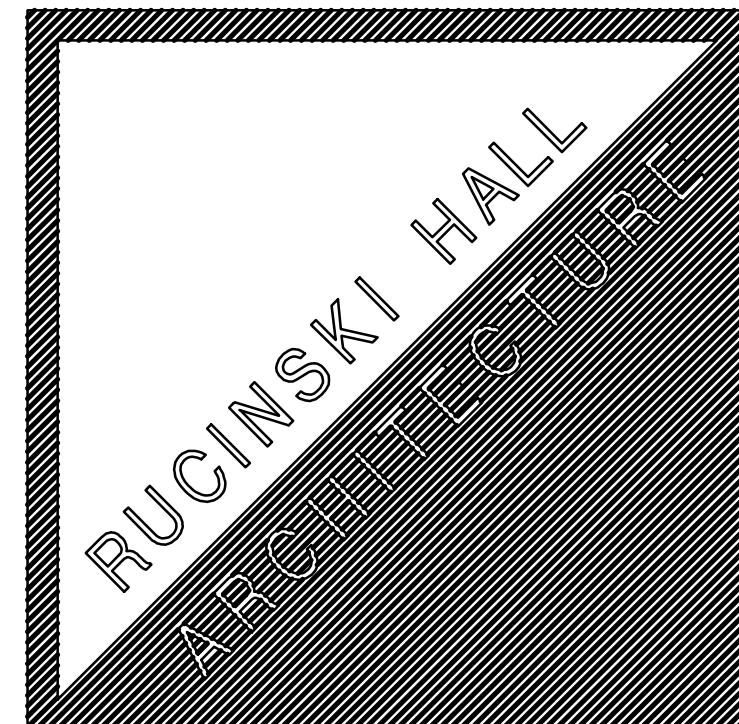


TOWN OF GLENVILLE MAALWYCK PARK IMPROVEMENT PROJECT, PHASE 2

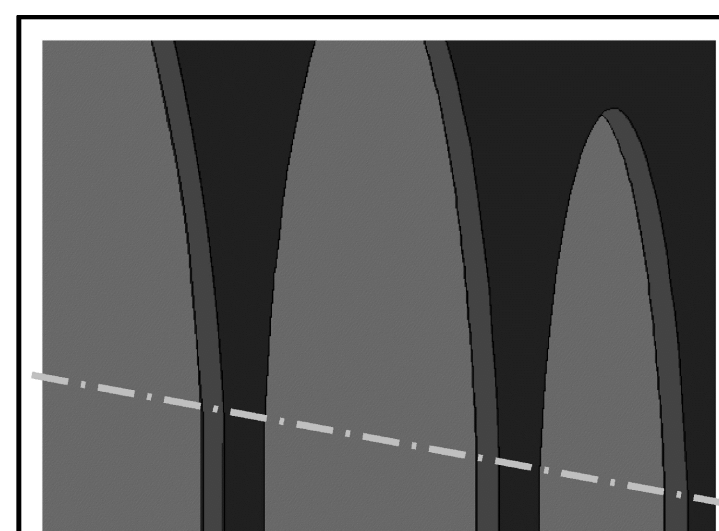
300 MAALWYCK PARK ROAD
GLENVILLE, NY 12302
OCTOBER 18, 2019



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SPRING LINE DESIGN
ARCHITECTURE + ENGINEERING

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East Greenbush, NY 12061
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DRAWING LIST

ARCHITECTURAL

A-100	FLOOR PLAN
A-101	ENLARGED BATH PLAN REFLECTED CEILING PLAN
A-102	BUILDING ELEVATIONS
A-103	BUILDING SECTIONS

STRUCTURAL

S-100	FOUNDATION PLAN AND CONCRETE DETAILS
S-101	ROOF FRAMING PLAN AND DETAILS
S-501	STRUCTURAL NOTES AND DETAILS

MECHANICAL

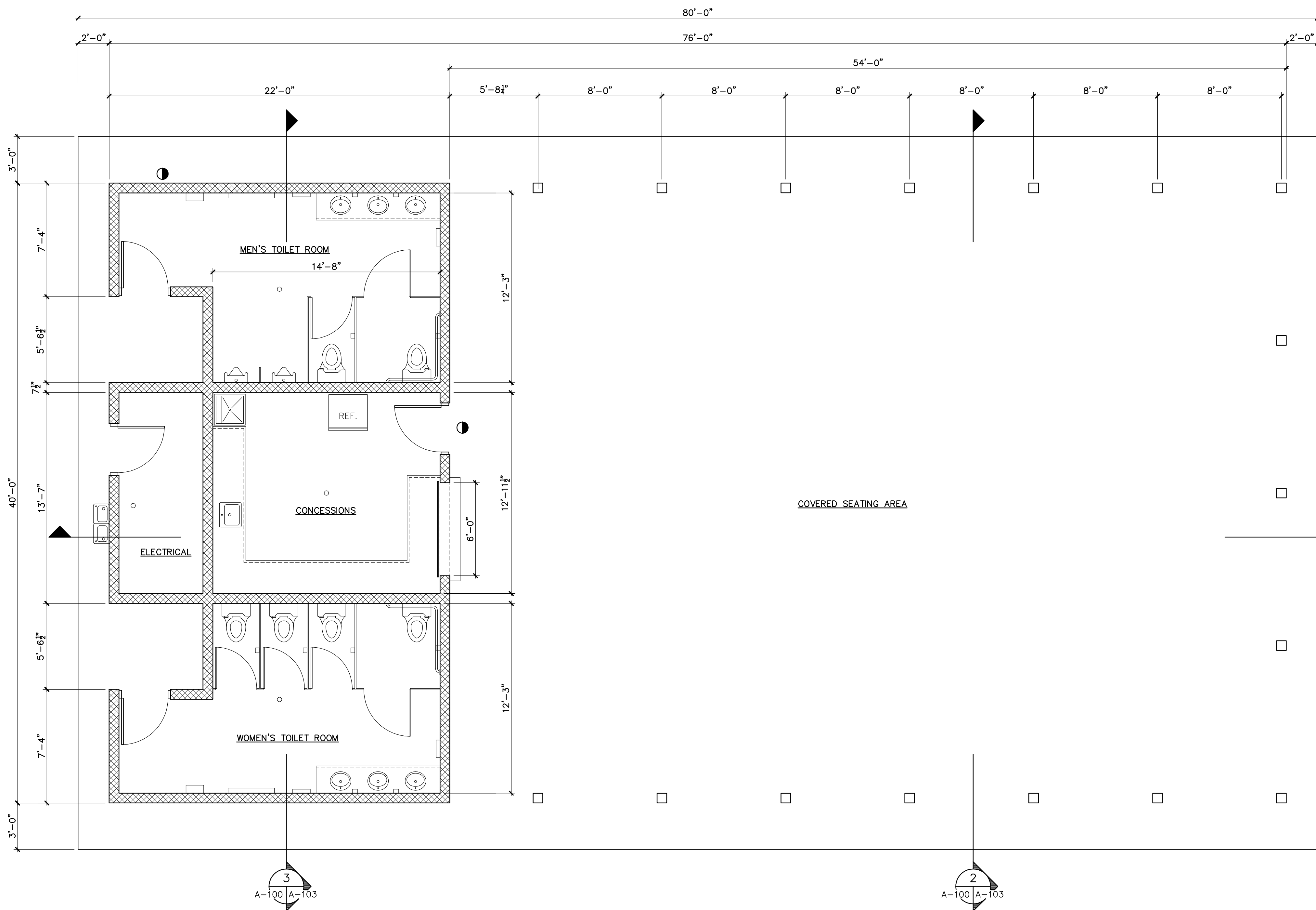
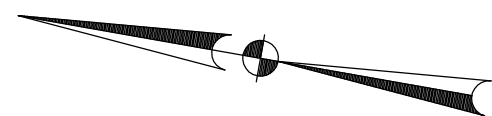
H-101	VENTILATION PLAN
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PLUMBING

P-001	NOTES, LEGEND, & DETAILS
P-101	PLUMBING PLAN

ELECTRICAL

E-001	NOTES, LEGEND, & DETAILS
E-100	ELECTRICAL SITE PLAN
E-101	ELECTRICAL PLAN
E-102	ELECTRICAL PLAN (ALTERNATE #1)
E-201	SCHEDULES
E-501	DETAILS
E-502	DETAILS
E-503	DETAILS



PAVILION FLOOR PLAN
1/4" = 1'-0"

● LOCATION OF TRUSS TYPE CONSTRUCTION PLACARD. PLACARD TO BE INSTALLED IN ACCORDANCE WITH PART 1264 OF 19NYCRR. SIZE, SPECIFICATION AND TEXT OF SIGN TO BE DIRECTED BY FIRE MARSHAL. SIGNS TO BE LOCATED IN ACCORDANCE WITH TABLE 1-1264 AND AT ELECTRIC METER LOCATION

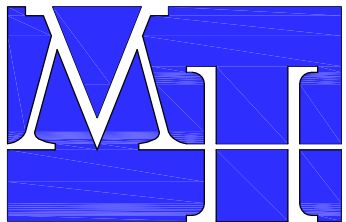
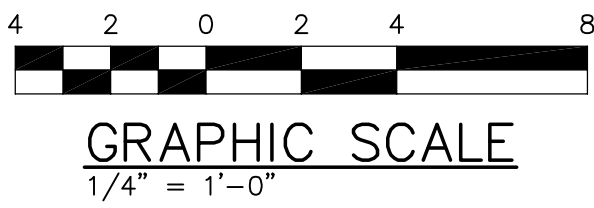
GENERAL NOTES

1. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY SHOULD ANY UNUSUAL CONDITIONS OR CONFLICTS BE ENCOUNTERED WHICH WOULD PREVENT THE INSTALLATION OF CEILINGS, CEILING FIXTURES OR MECHANICAL / ELECTRICAL ITEMS INDICATED ON THE CONSTRUCTION DOCUMENTS.
2. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE CEILING ACCESS REQUIREMENTS ABOVE NON-ACCESSIBLE CEILING AREA ACCORDING TO MECHANICAL AND ELECTRICAL DOCUMENTS AND NOTIFY ARCHITECT AND OWNER IF ACCESS PANELS ARE REQUIRED. THE GENERAL CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED FOR PARTITION RATING.
3. THE REFLECTED CEILING PLAN IS FOR REFERENCE ONLY REGARDING LOCATION, QUANTITIES, AND TYPES OF LIGHT FIXTURES, HOWEVER THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY THE FIXTURE TYPE, APPROPRIATE FOOT-CANDLES AND VOLTAGE REQUIREMENTS OF ALL SPECIFIED LIGHT FIXTURES IN ASSOCIATION WITH THE SPECIFIC SITE CONDITIONS AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL. PRIOR TO THE ORDERING OR INSTALLATION OF ANY FIXTURES.
4. THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY CUTTING, FRAMING OR BRIDGING FOR LIGHT FIXTURES, AIR DIFFUSERS AND DRYWALL BAFFLED AT CEILING OPENINGS.
5. CEILING HEIGHTS MAY VARY. REFLECTED CEILING PLAN FOR ALL THE CEILING HEIGHTS AND MATERIAL FINISHES.
6. COORDINATE AND LOCATE ALL CEILING MOUNTED ITEMS (I.E. LIGHT FIXTURES, GRILLES, DIFFUSERS, SPEAKERS, EXIT LIGHTS, SPRINKLERS, ECT..) IN THE CENTER OF THE CEILING TILES, AND SOFFITS UNLESS NOTED OTHERWISE.

1
A-100 A-103

2
A-100 A-103

3
A-100 A-103



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Email ephall@rycap.rr.com © 2017

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CLIENT:

TOWN OF GLENVILLE

TITLE:

MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

FLOOR
PLAN

DESIGNED BY:

E. P. HALL

DATE:

10/18/2019

SCALE:

AS NOTED

DRAWN BY:

J. A. GREEN

CHECK BY:

-

APPROVED:

-

REVISIONS:

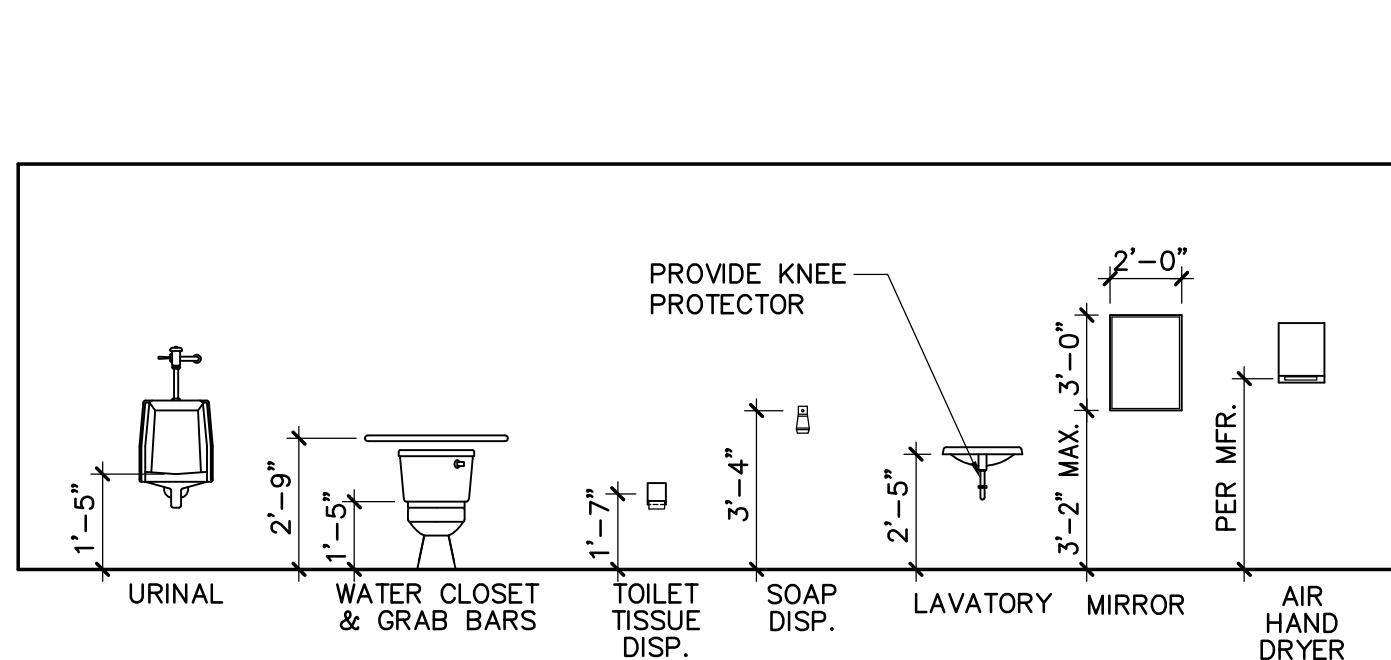
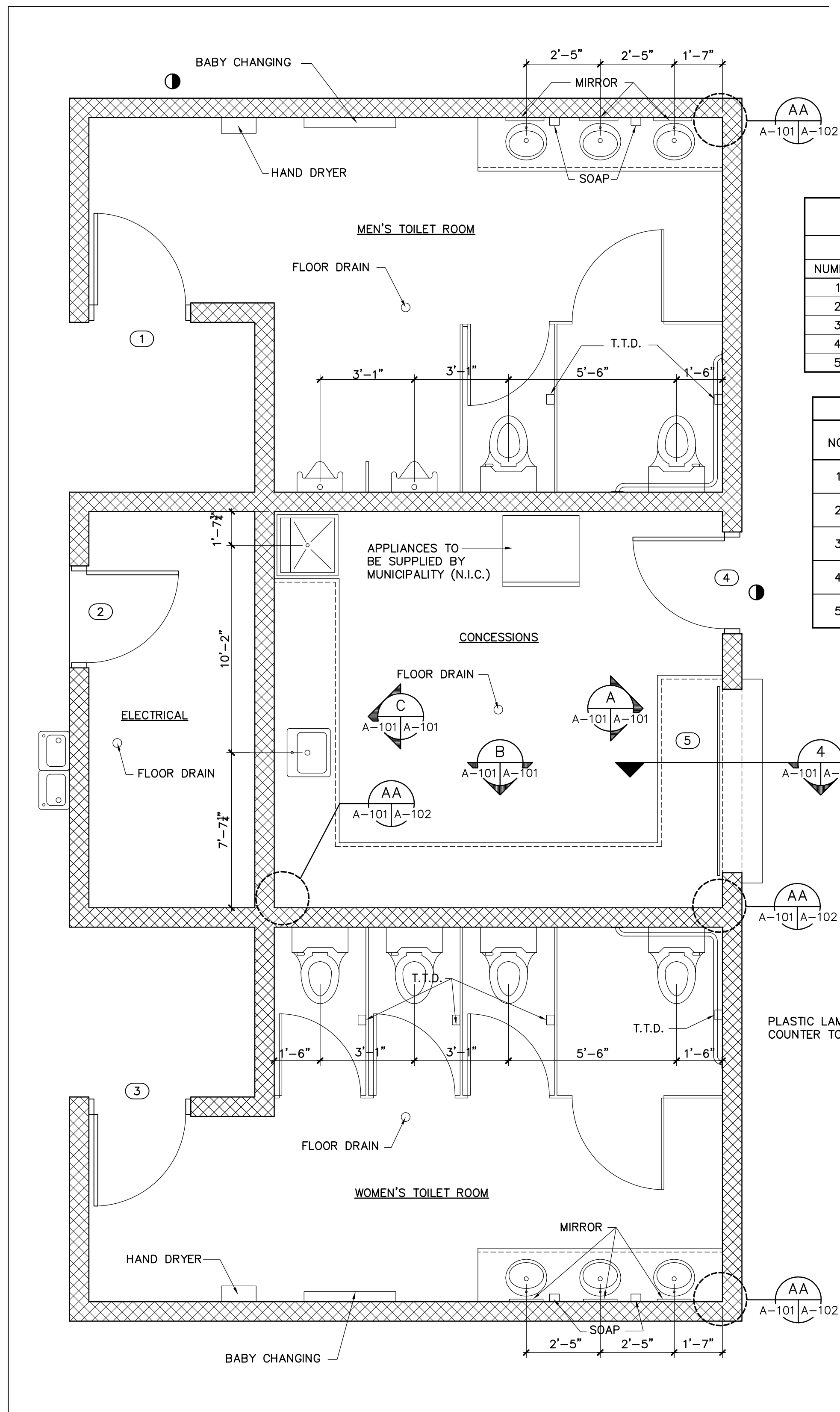
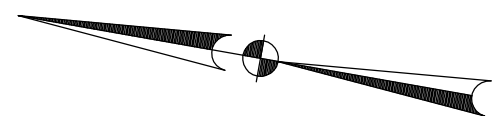
BID SET 10/18/2019

PROJECT NUMBER:

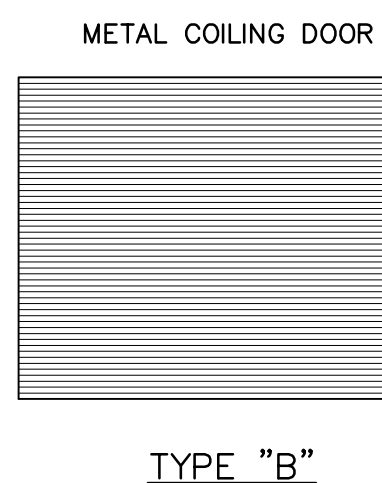
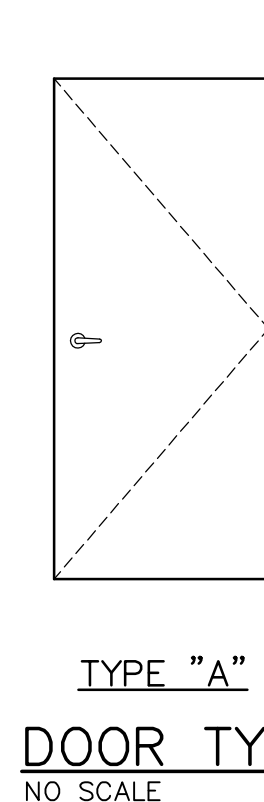
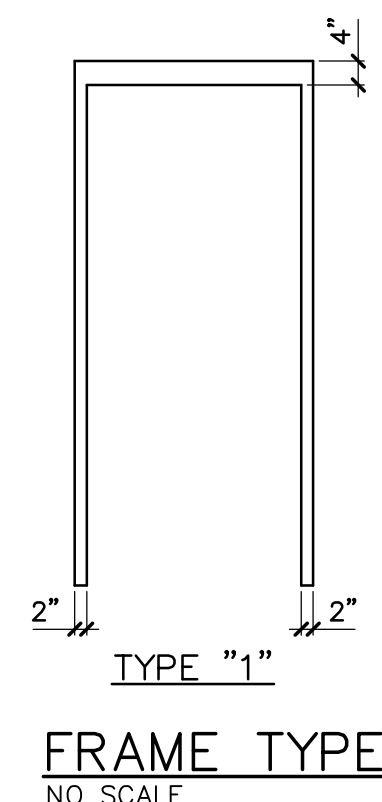
1904290

DRAWING NUMBER:

A-100



TYP. TOILET ACCESSORIES ELEVATION
1/4" = 1'-0"



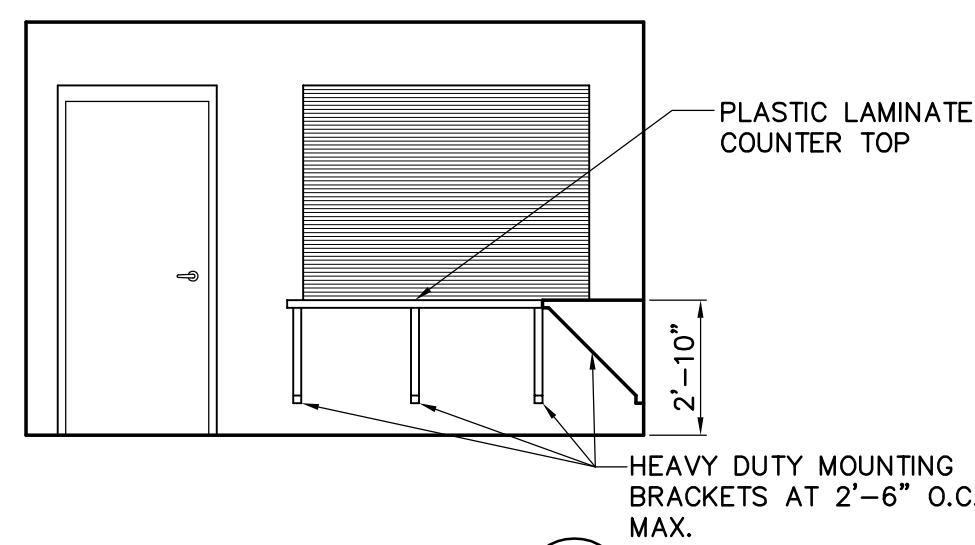
HARDWARE SETS

SET 1
1-1/2 PAIR HINGES
1 SET PUSH/PULL PLATES
LOCKSET - DEADBOLT
(KEYED FROM EXTERIOR ONLY)
CLOSER
1 KICK PLATE
1 WALL BUMPER

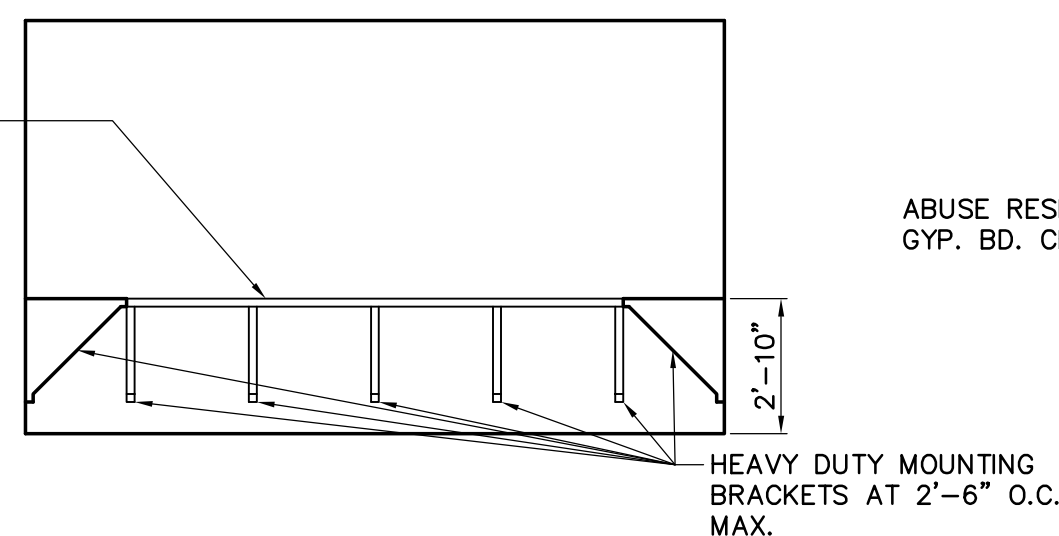
SET 2
1-1/2 PAIR HINGES
STORE ROOM LOCKSET
CLOSER
WALL OR FLOOR BUMPER

DOOR SCHEDULE										
DOOR								FRAME		REMARKS
NUMBER	TYPE	MATERIAL	WIDTH	HEIGHT	THICK.	RATING	HARDWARE SET	TYPE	MATERIAL	
1	A	H.M.	3'-0"	7'-0"	1-1/2"	-	1	A	H.M.	INSULATED EXTERIOR DOOR
2	A	H.M.	3'-0"	7'-0"	1-1/2"	-	2	A	H.M.	INSULATED EXTERIOR DOOR
3	A	H.M.	3'-0"	7'-0"	1-1/2"	-	1	A	H.M.	INSULATED EXTERIOR DOOR
4	A	H.M.	3'-0"	7'-0"	1-1/2"	-	2	A	H.M.	INSULATED EXTERIOR DOOR
5	B	ALUM.	6'-0"	4'-6"	1-1/2"	-	-	-	-	COILING DOOR

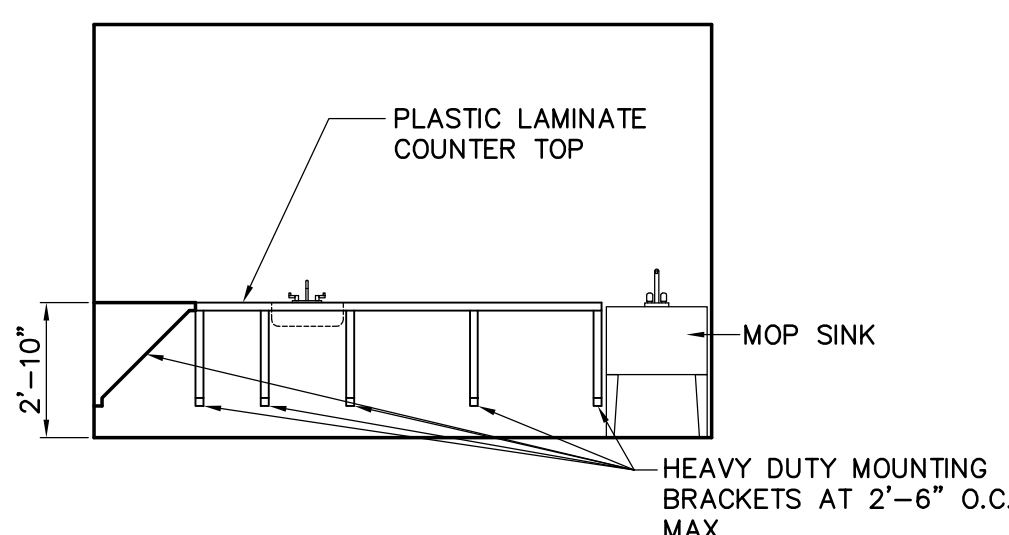
FINISH SCHEDULE										
NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	REMARKS
				NORTH	EAST	SOUTH	WEST			
1	MENS TOILET	S.C.	-	CMU	CMU	CMU	CMU	FRP CLG.	8'-8"	CEILING TO HAVE FRP COVERED PLYWOOD
2	WOMENS TOILET	S.C.	-	CMU	CMU	CMU	CMU	FRP CLG.	8'-8"	CEILING TO HAVE FRP COVERED PLYWOOD
3	CONCESSION	S.C.	-	CMU	CMU	CMU	CMU	GYP. BD.	8'-8"	ABUSE RESISTANT GYP. BD.
4	ELECTRICAL	S.C.	-	CMU	CMU	CMU	CMU	GYP. BD.	8'-8"	ABUSE RESISTANT GYP. BD.
5	COVERED SEATING AREA	S.C.	-	CMU	CMU	CMU	CMU	METAL PANEL	8'-8"	



ELEVATION
1/4" = 1'-0"



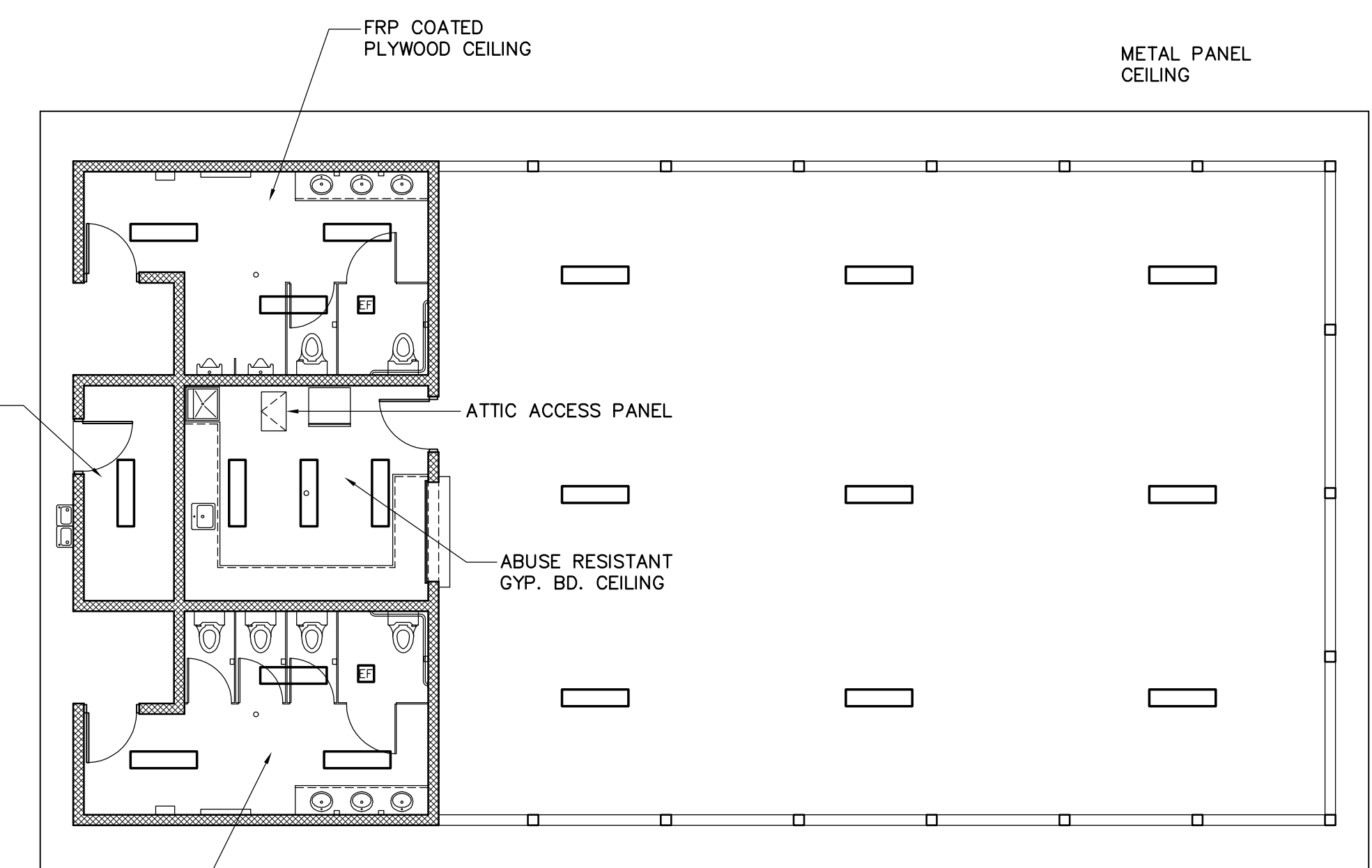
ELEVATION
1/4" = 1'-0"



ELEVATION
1/4" = 1'-0"

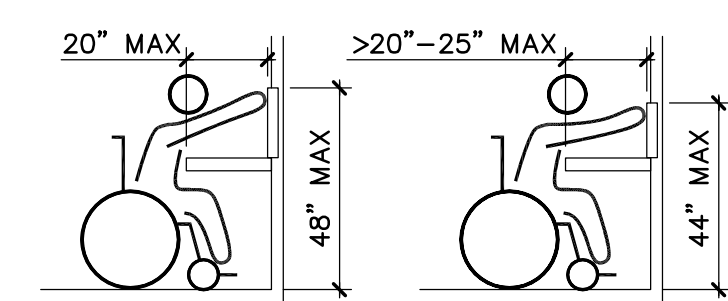
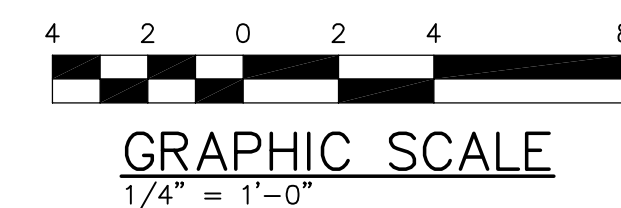
LEGEND

H.M. = HOLLOW METAL
CMU = CONCRETE MASONRY UNIT
S.C. = SEALED CONCRETE
FRP = FIBERGLASS REINFORCED PLASTIC

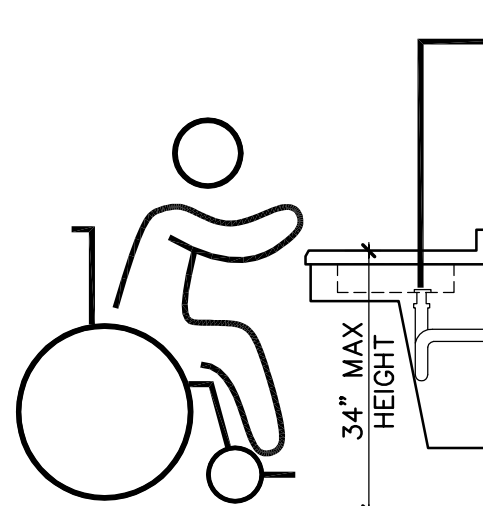


REFLECTED CEILING PLAN
1/8" = 1'-0"

COORDINATE FINAL LOCATIONS OF LIGHT FIXTURES WITH MECHANICAL AND ELECTRICAL TRADES



ACCESSIBLE COUNTER DETAIL
N.T.S.



ACCESSIBLE SINK REQUIREMENTS
N.T.S.



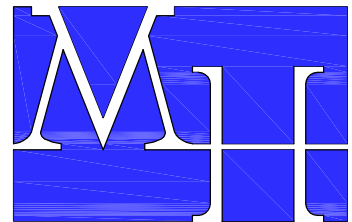
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CLIENT: TOWN OF GLENVILLE		
TITLE: MAALWYCK PARK IMPROVEMENT PROJECT PHASE 2		
LOCATION: 300 MAALWYCK PARK RD GLENVILLE, NY 12302		
SHEET TITLE: ENLARGED BATH PLAN REFLECTED CEILING PLAN		
DESIGNED BY: E. P. HALL	DATE: 10/18/2019	SCALE: AS NOTED
DRAWN BY: J. A. GREEN	CHECK BY:	APPROVED:
REVISIONS:		
BID SET 10/18/2019		
PROJECT NUMBER: 1904290		
DRAWING NUMBER: A-101		



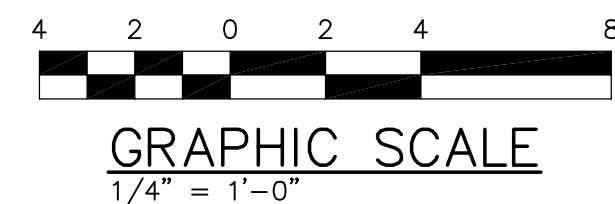
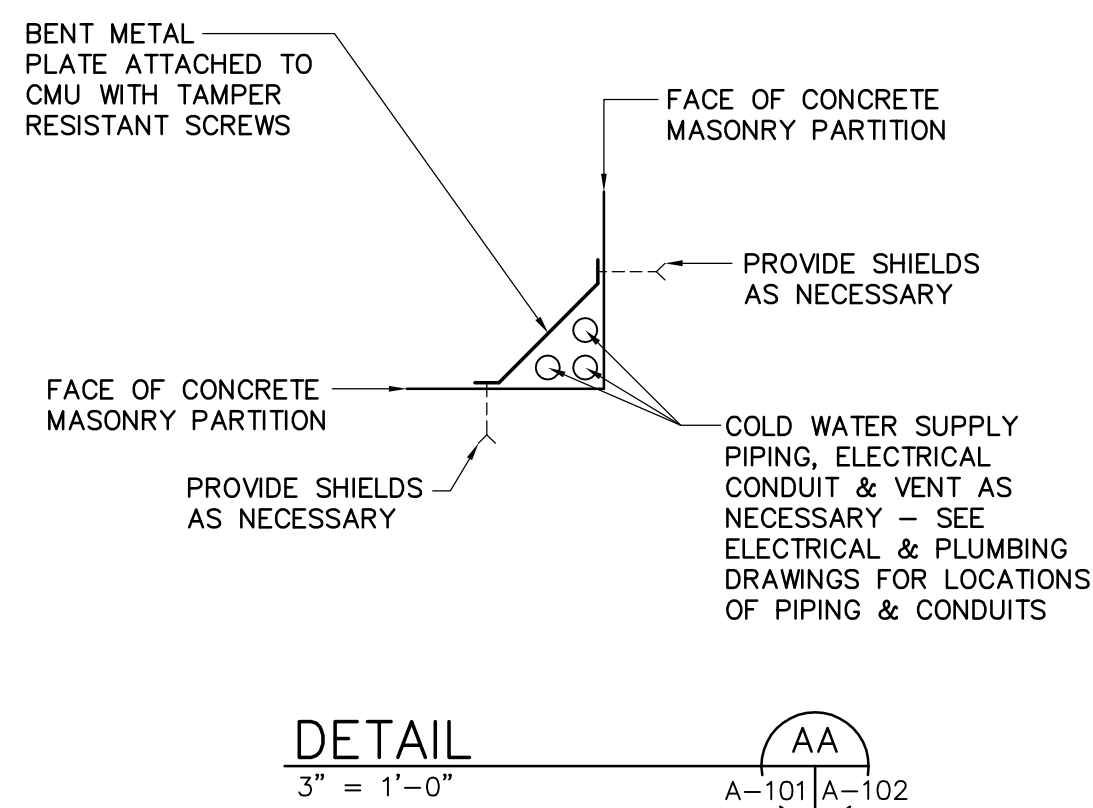
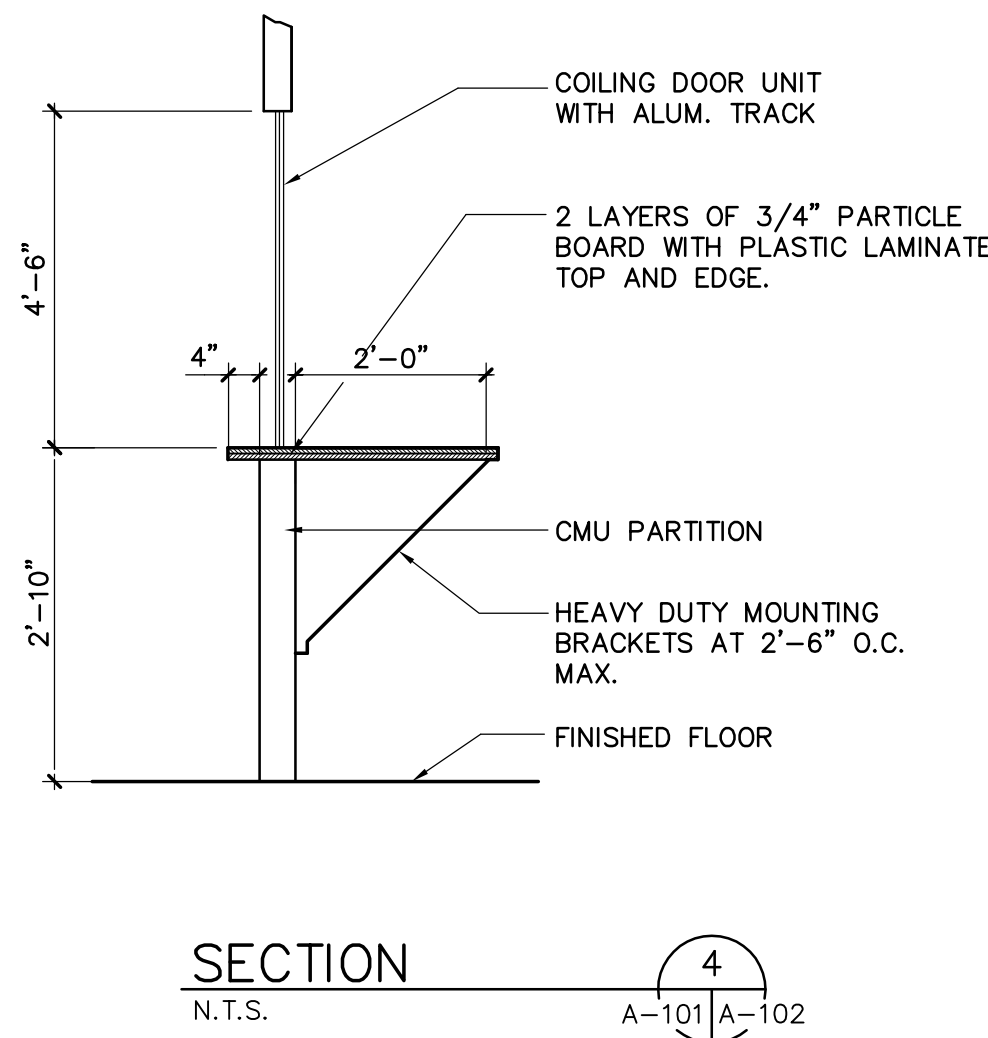
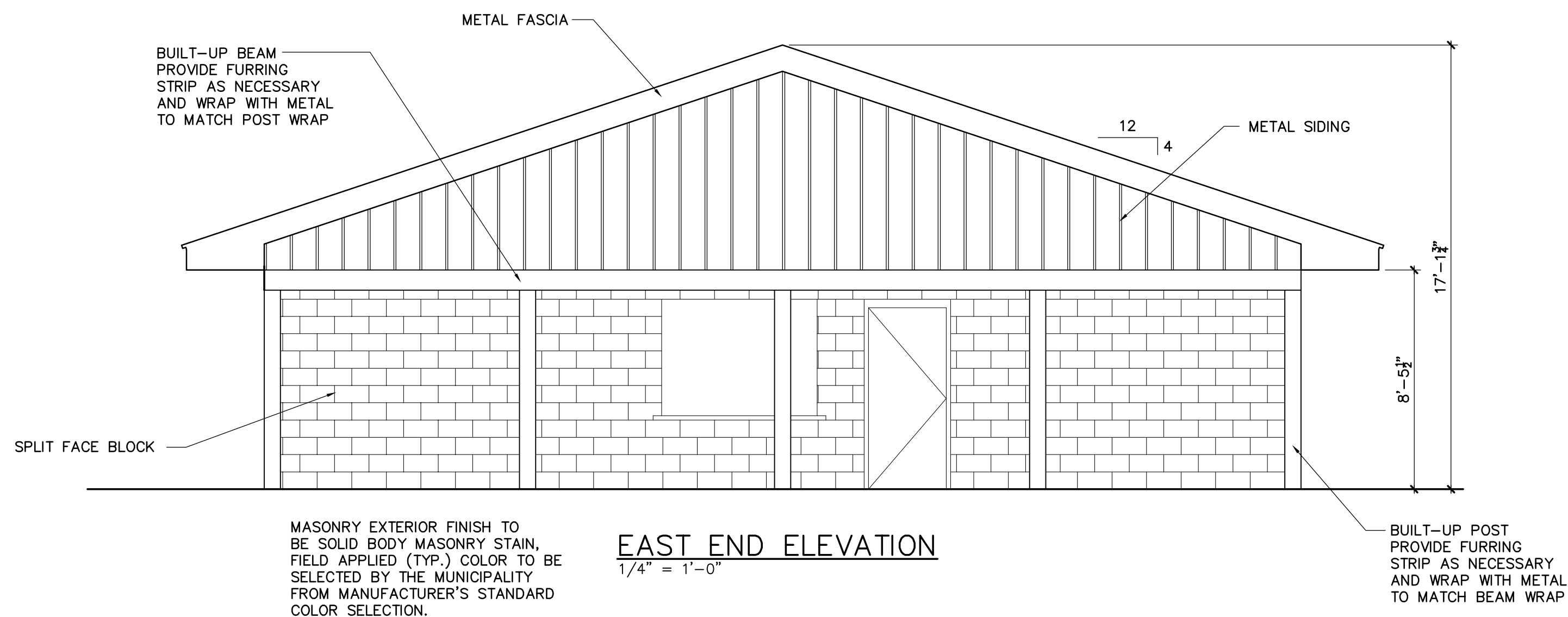
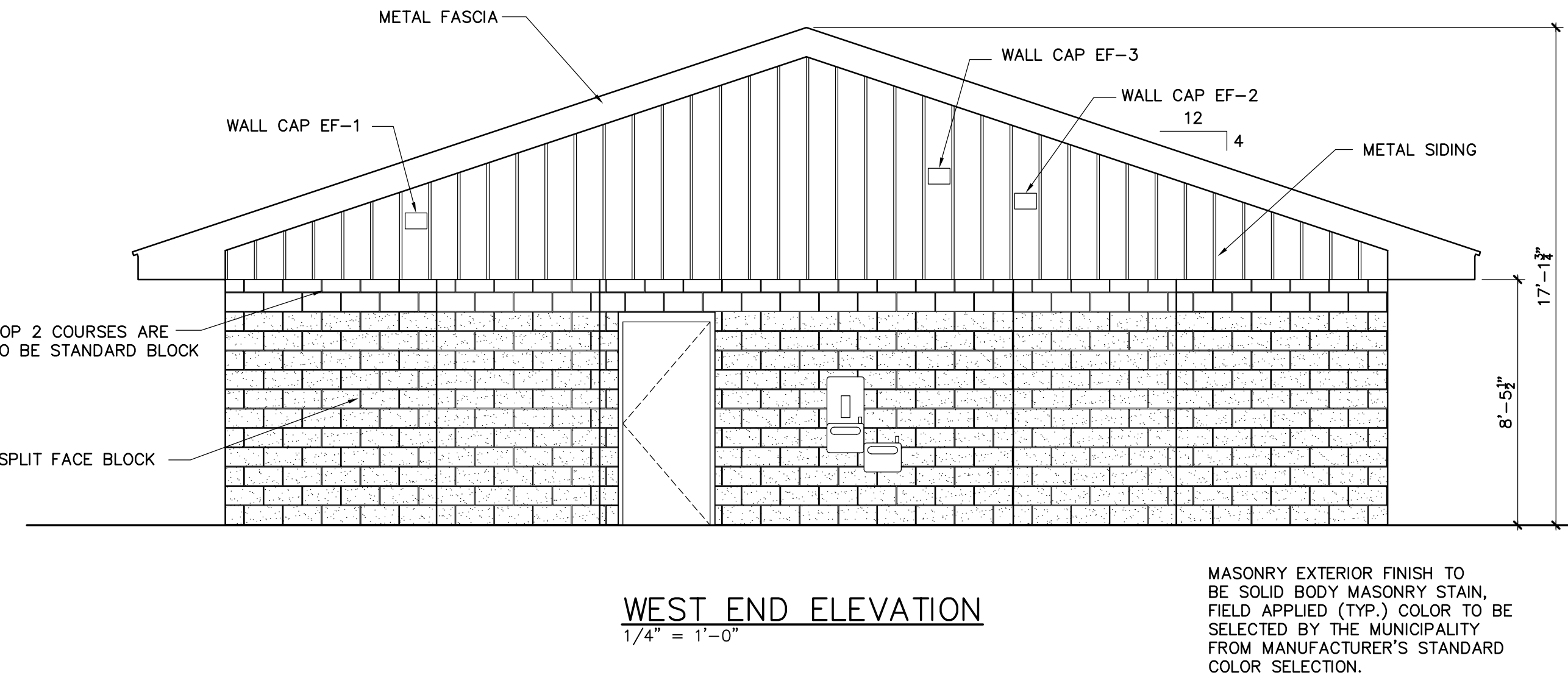
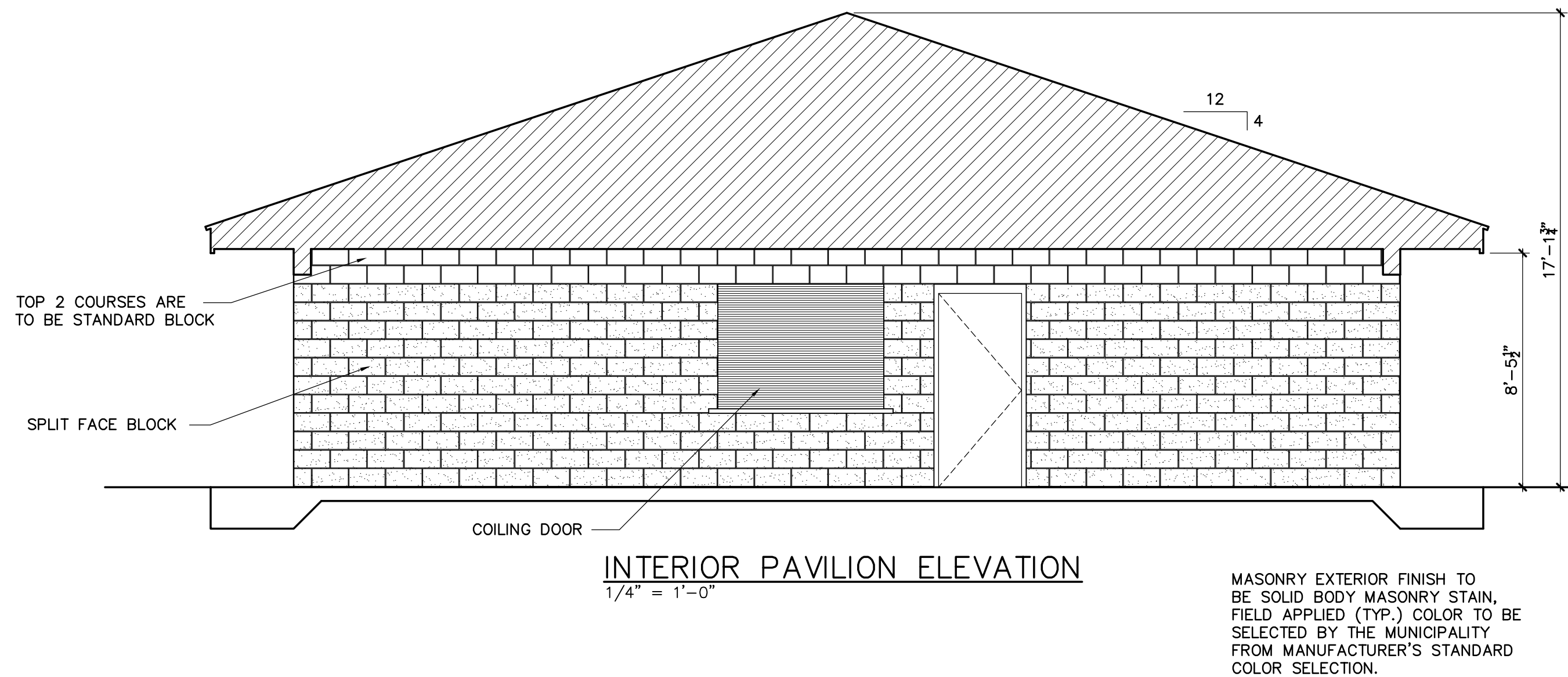
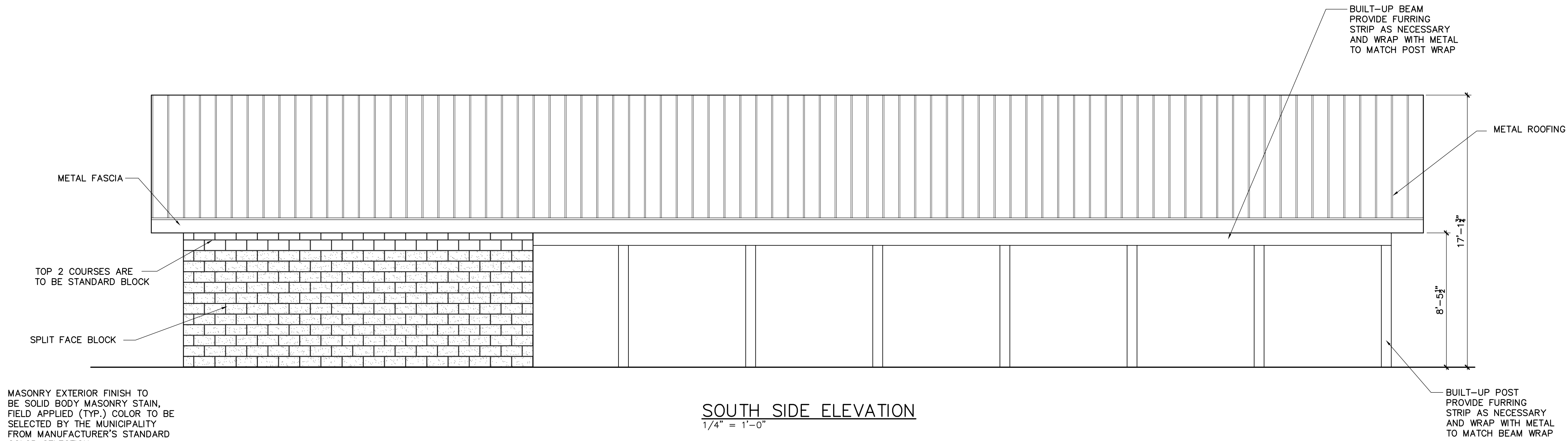
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Y:\Town of Glenville - Maalwyck Park\A-12 Floorplan.dwg, 10/21/2019 8:24:09 AM, pdfFactory



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CLIENT:

TOWN OF GLENVILLE

TITLE:

MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

**BUILDING
ELEVATIONS**

DESIGNED BY:

E. P. HALL

DATE:

10/18/2019

SCALE:

AS NOTED

DRAWN BY:

J. A. GREEN

CHECK BY:

-

APPROVED:

-

REVISIONS:

BID SET

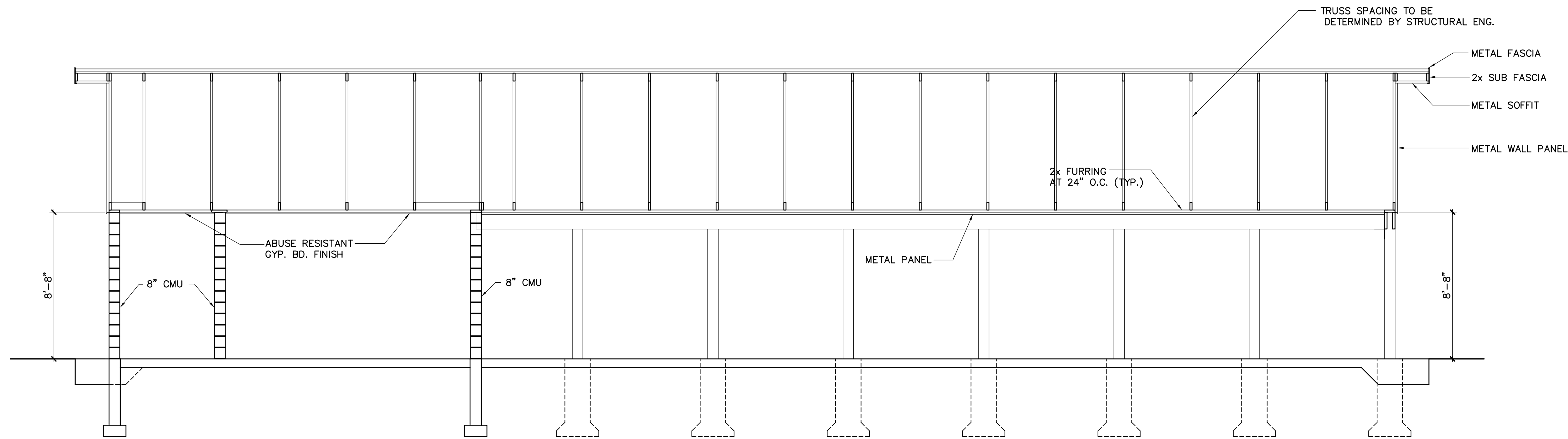
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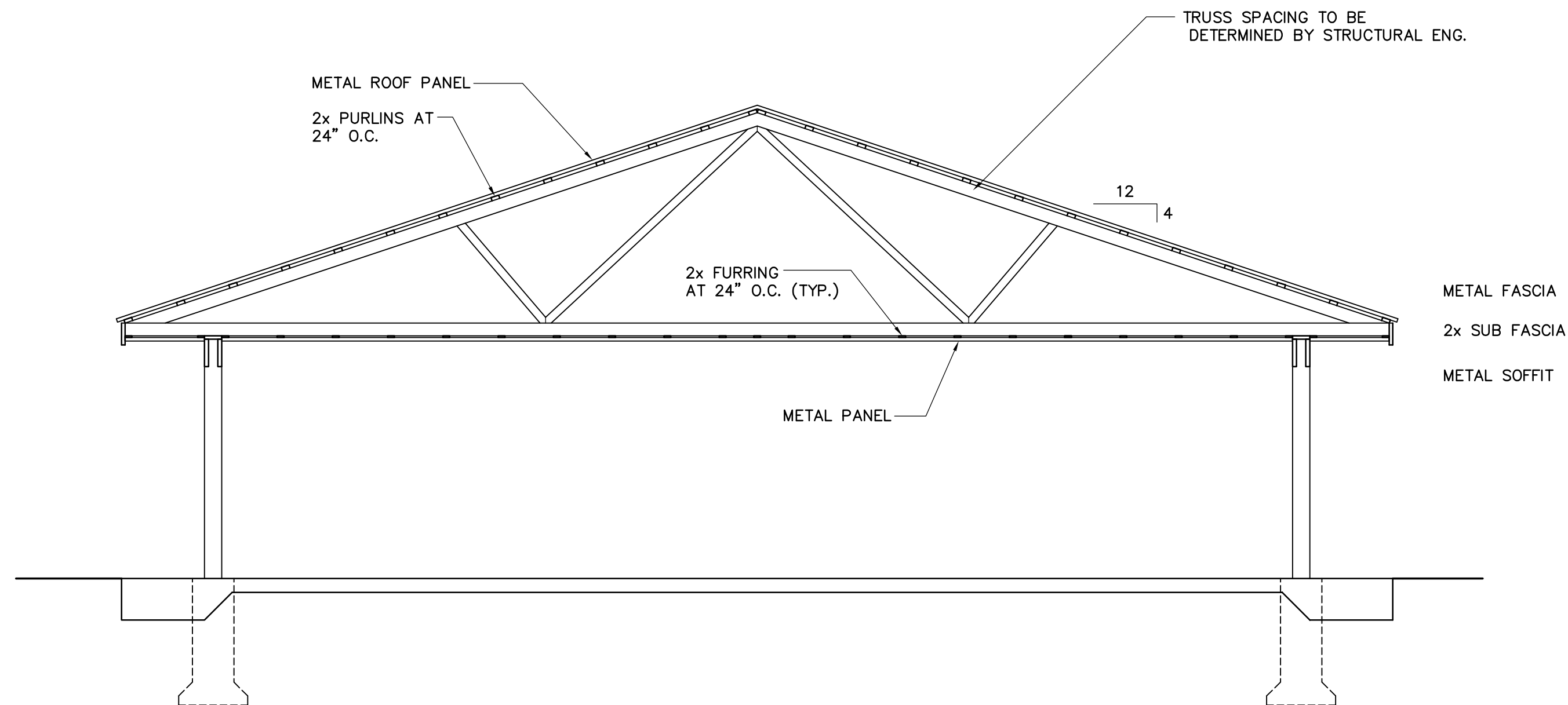
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DRAWING NUMBER:

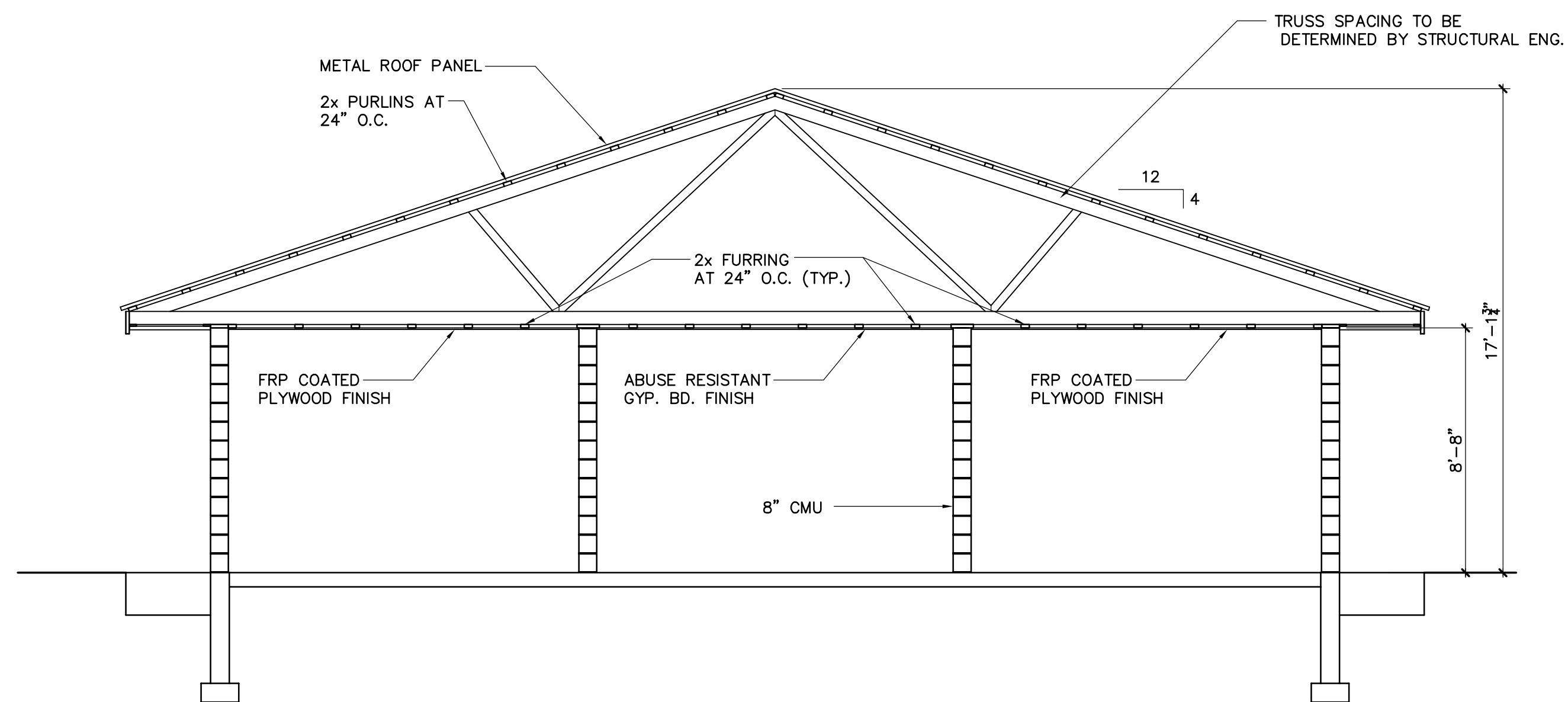
A-102



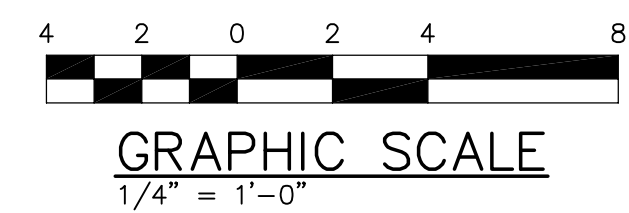
SECTION 1
1/4" = 1'-0" A-100 A-103



SECTION 2
1/4" = 1'-0" A-100 A-103



SECTION 3
1/4" = 1'-0" A-100 A-103



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CLIENT:

TOWN OF GLENVILLE

TITLE:

MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

**BUILDING
SECTIONS**

DESIGNED BY:

E. P. HALL

DATE:

10/18/2019

SCALE:

AS NOTED

DRAWN BY:

J. A. GREEN

CHECK BY:

APPROVED:

-

REVISIONS:

BID SET

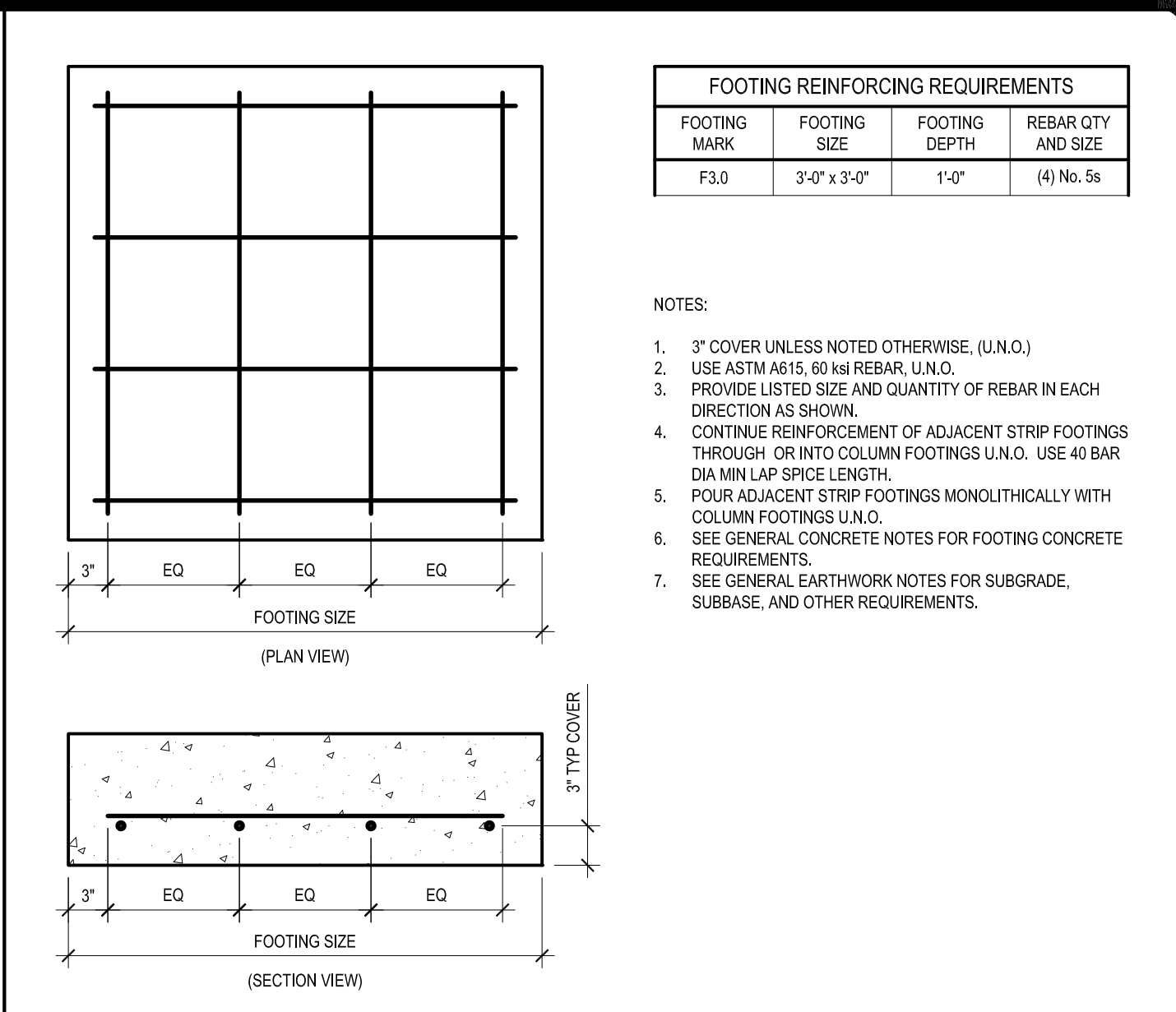
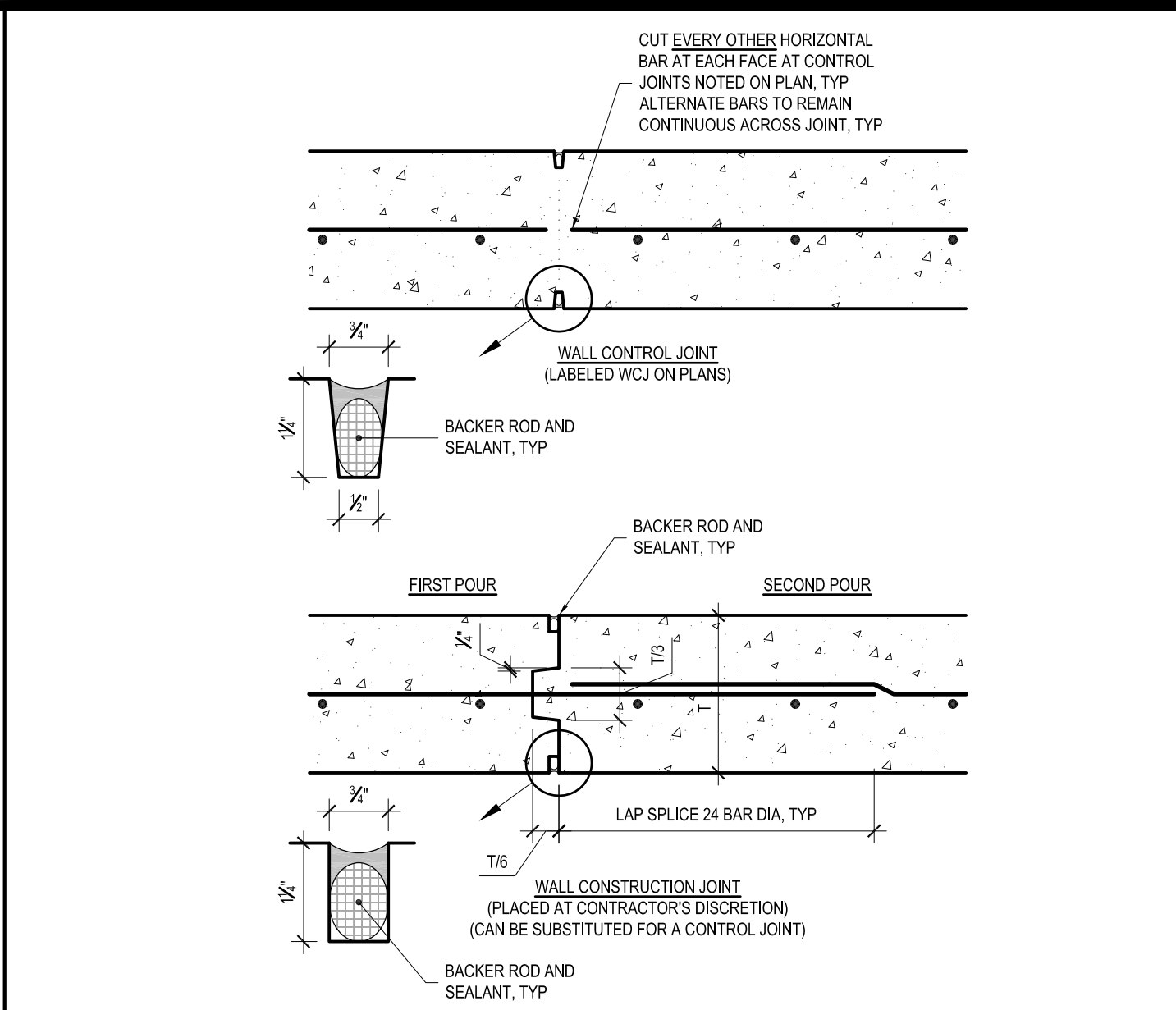
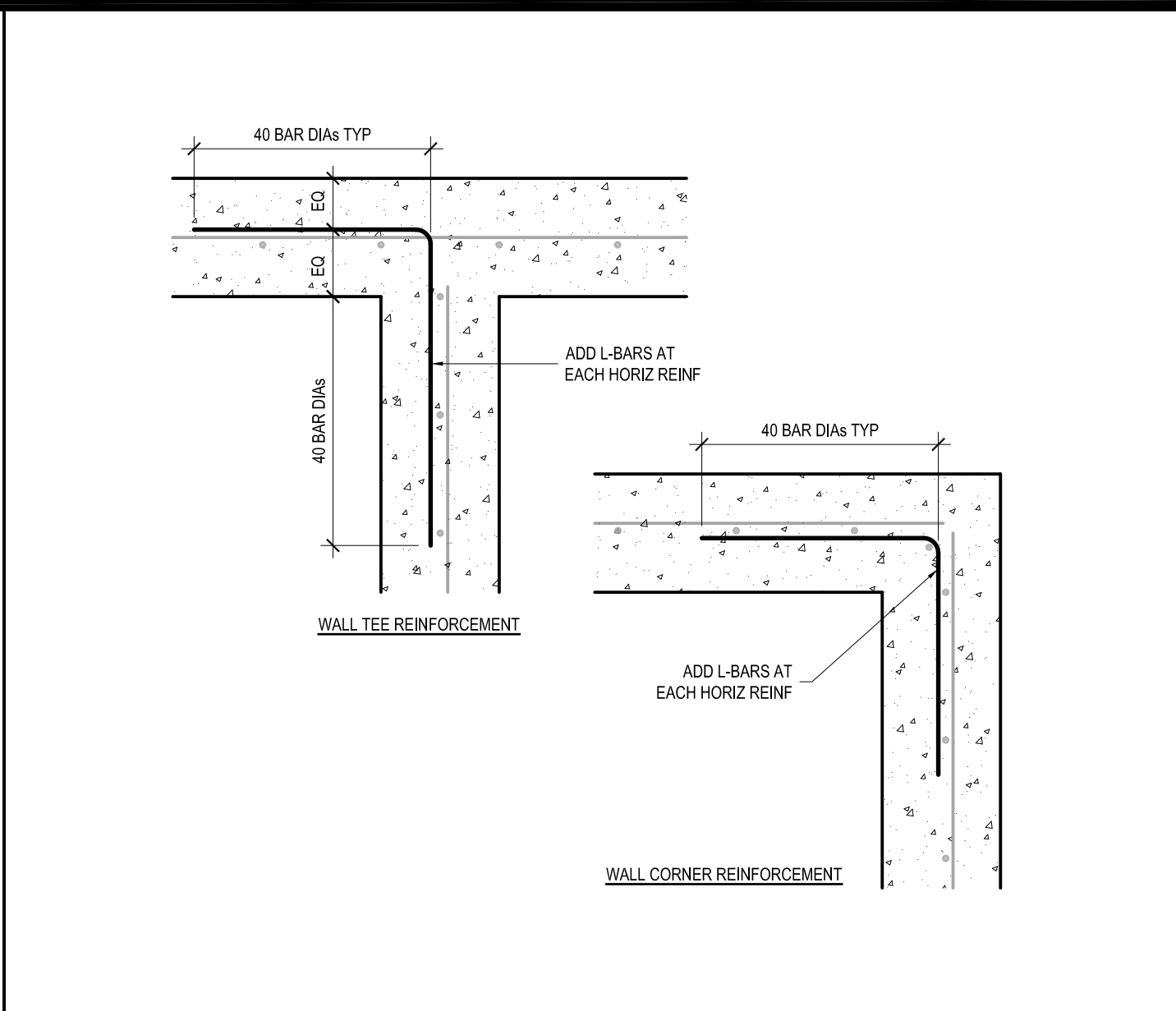
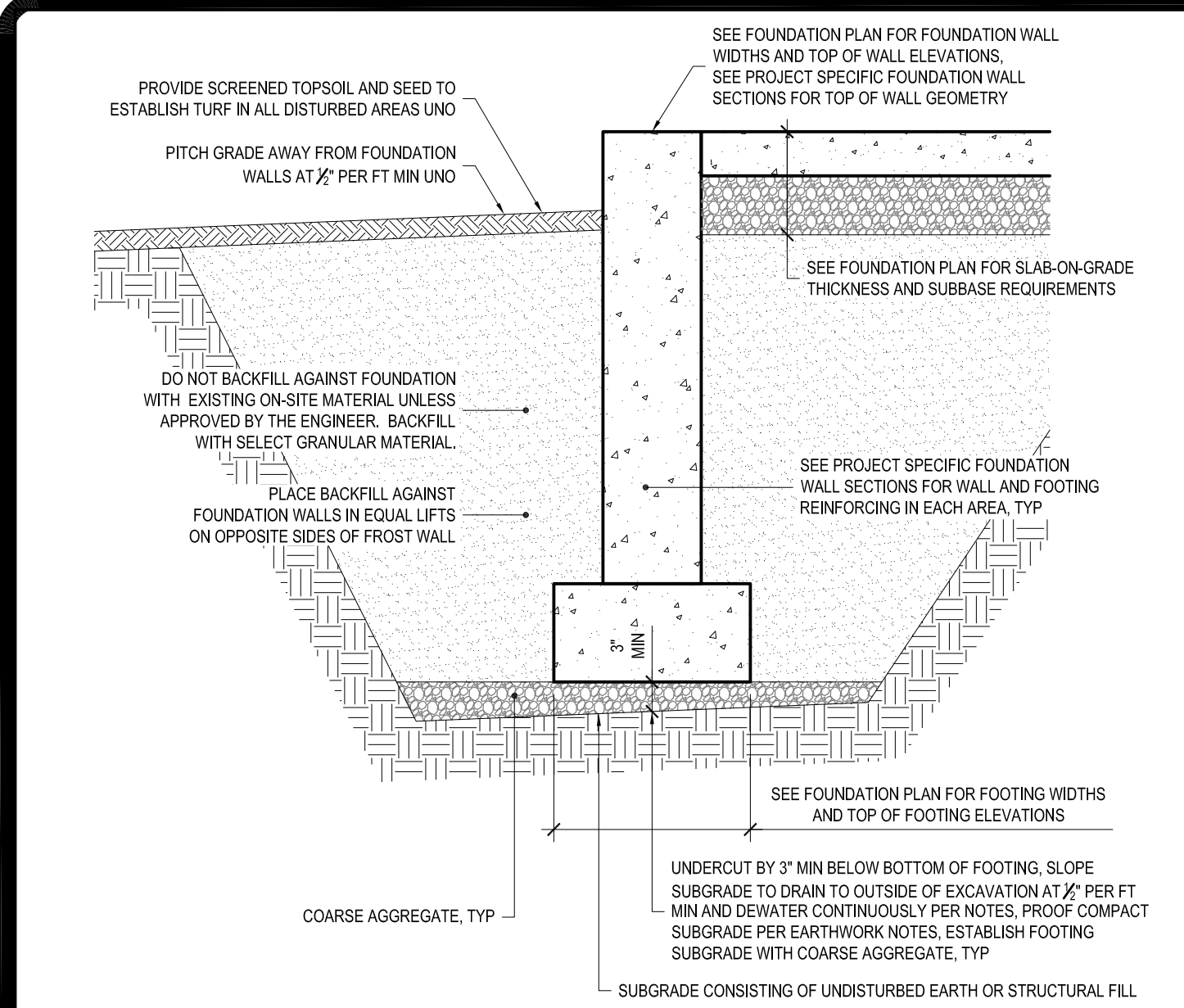
10/18/2019

PROJECT NUMBER:

1904290

DRAWING NUMBER:

A-103

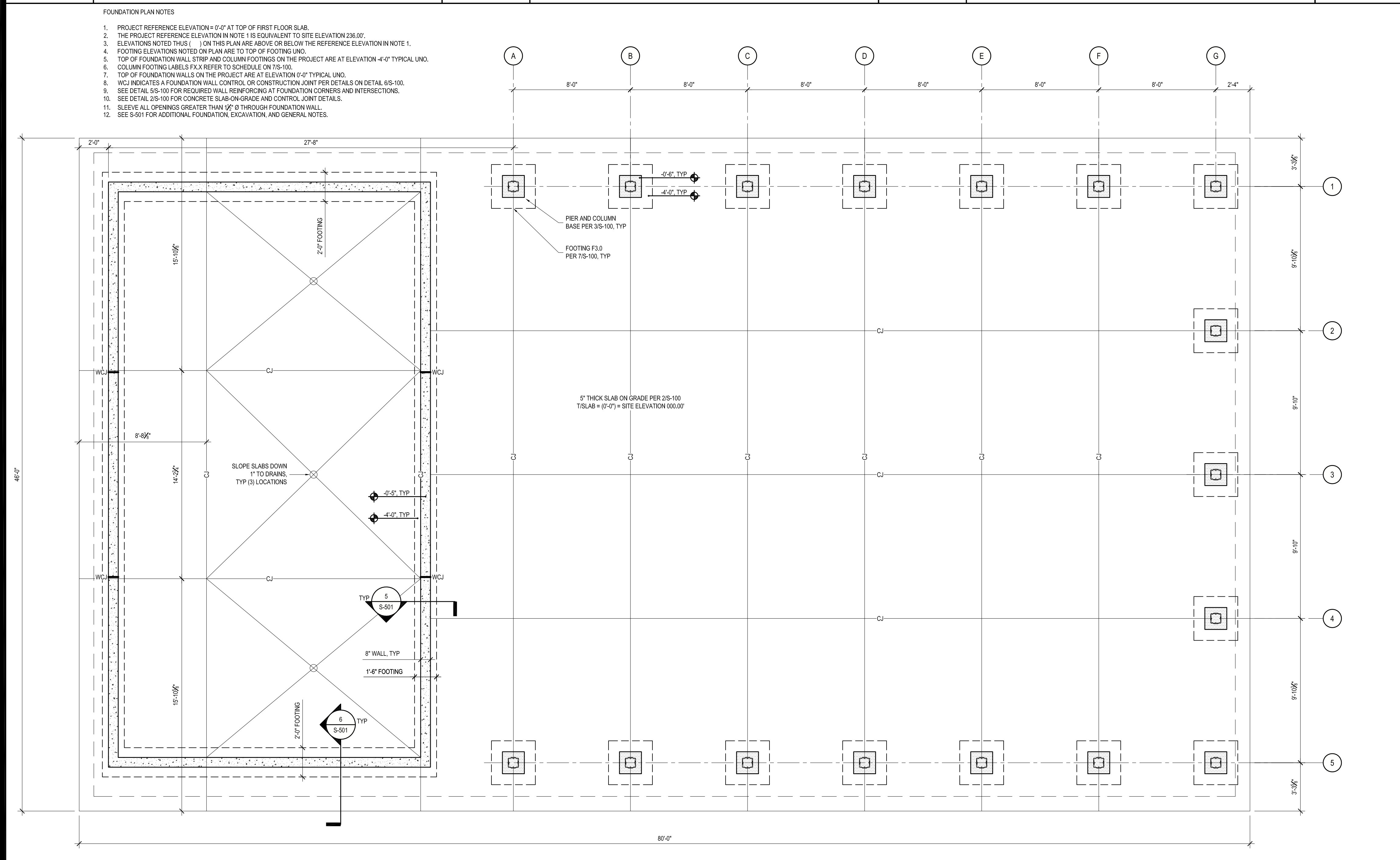


4	EXCAVATION AND BACKFILL AT FOUNDATIONS
REF:	SCALE: 3/4" = 1'-0"

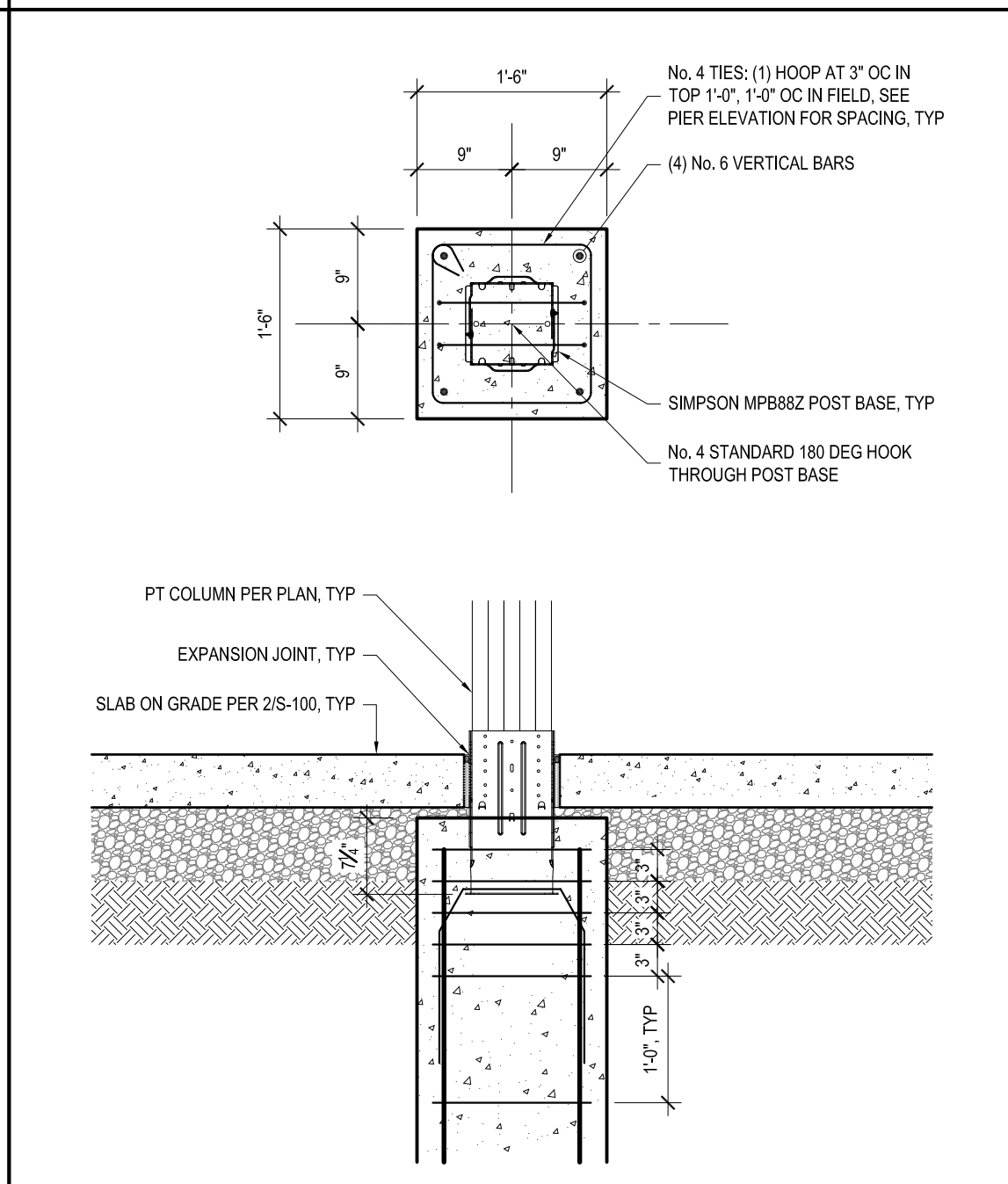
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REF:	SCALE: 3/4" = 1'-0"

6	FOUNDATION WALL JOINT DETAIL
REF:	SCALE: 1" = 1'-0"

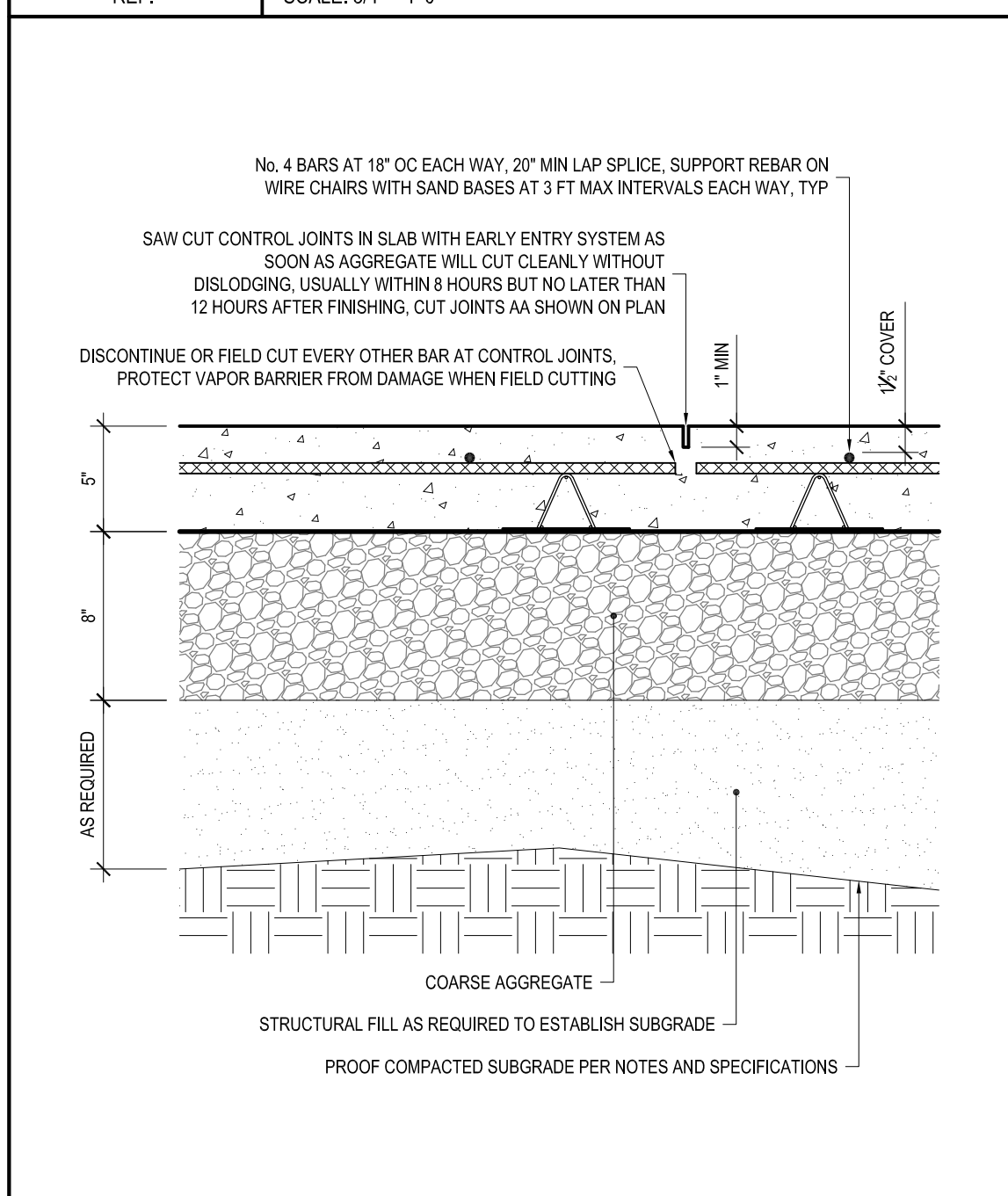
7	FOOTING SCHEDULE
REF:	SCALE: 1" = 1'-0"



1	FOUNDATION AND SLAB PLAN
REF:	SCALE: 1/4" = 1'-0"



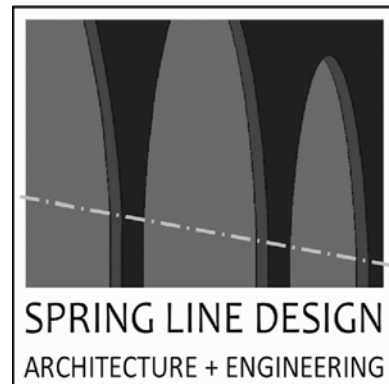
3	PIER AND COLUMN BASE DETAIL
REF:	SCALE: 3/4" = 1'-0"



2	SLAB ON GRADE DETAIL
REF:	SCALE: 1 1/2" = 1'-0"



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Tel: (518) 280-6522 Fax: (518) 280-6526



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CLIENT: TOWN OF GLENVILLE

TITLE: MAALWYCK PARK IMPROVEMENT PROJECT PHASE 2

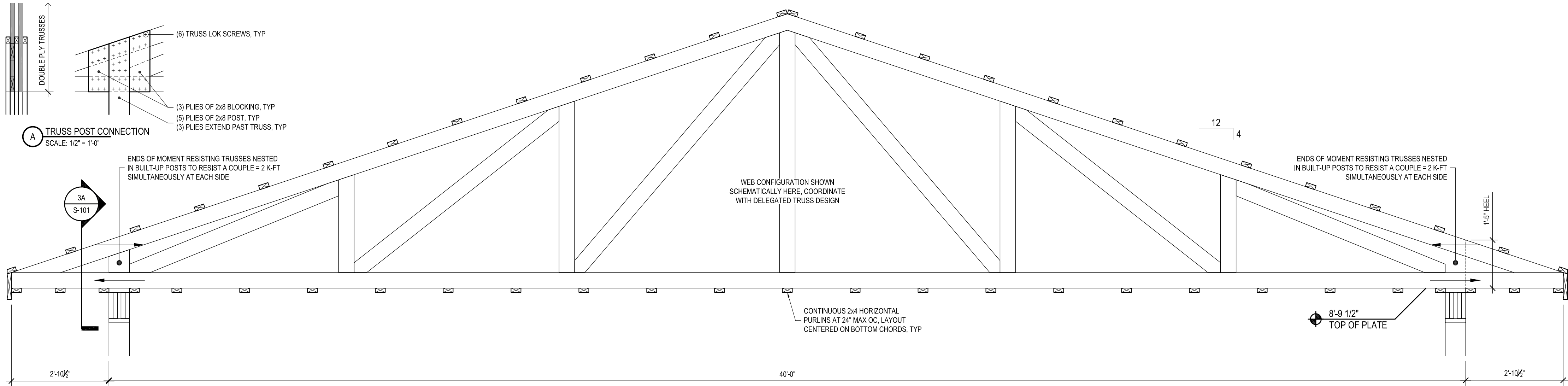
LOCATION: 300 MAALWYCK PARK RD GLENVILLE, NY 12302

SHEET TITLE: FOUNDATION PLAN AND CONCRETE DETAILS

DESIGNED BY:	DATE:	SCALE:
JS	10/18/2019	AS NOTED
DRAWN BY:	CHECKED BY:	APPROVED:
JS	JAB	

REVISIONS:	
BID SET	10/18/2019

MHP PROJECT NUMBER: 1904290	DRAWING NUMBER: S-100
SLD PROJECT NUMBER: 07419002	

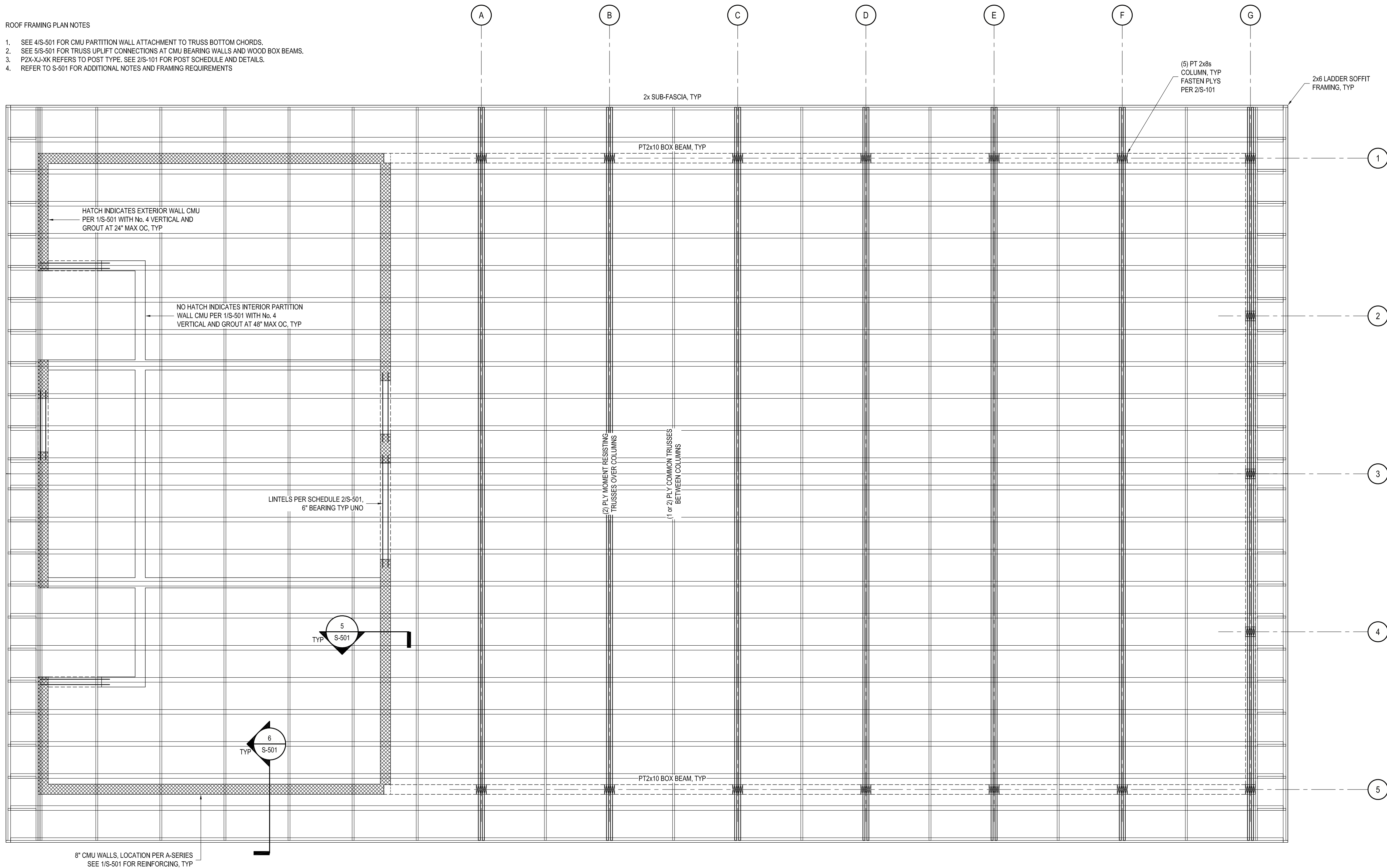


3 TRUSS PROFILE

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

ROOF FRAMING PLAN NOTES

1. SEE 4/S-501 FOR CMU PARTITION WALL ATTACHMENT TO TRUSS BOTTOM CHORDS.
2. SEE 5/S-501 FOR TRUSS UPLIFT CONNECTIONS AT CMU BEARING WALLS AND WOOD BOX BEAMS.
3. P2X-XJ-KK REFERS TO POST TYPE. SEE 2/S-101 FOR POST SCHEDULE AND DETAILS.
4. REFER TO S-501 FOR ADDITIONAL NOTES AND FRAMING REQUIREMENTS



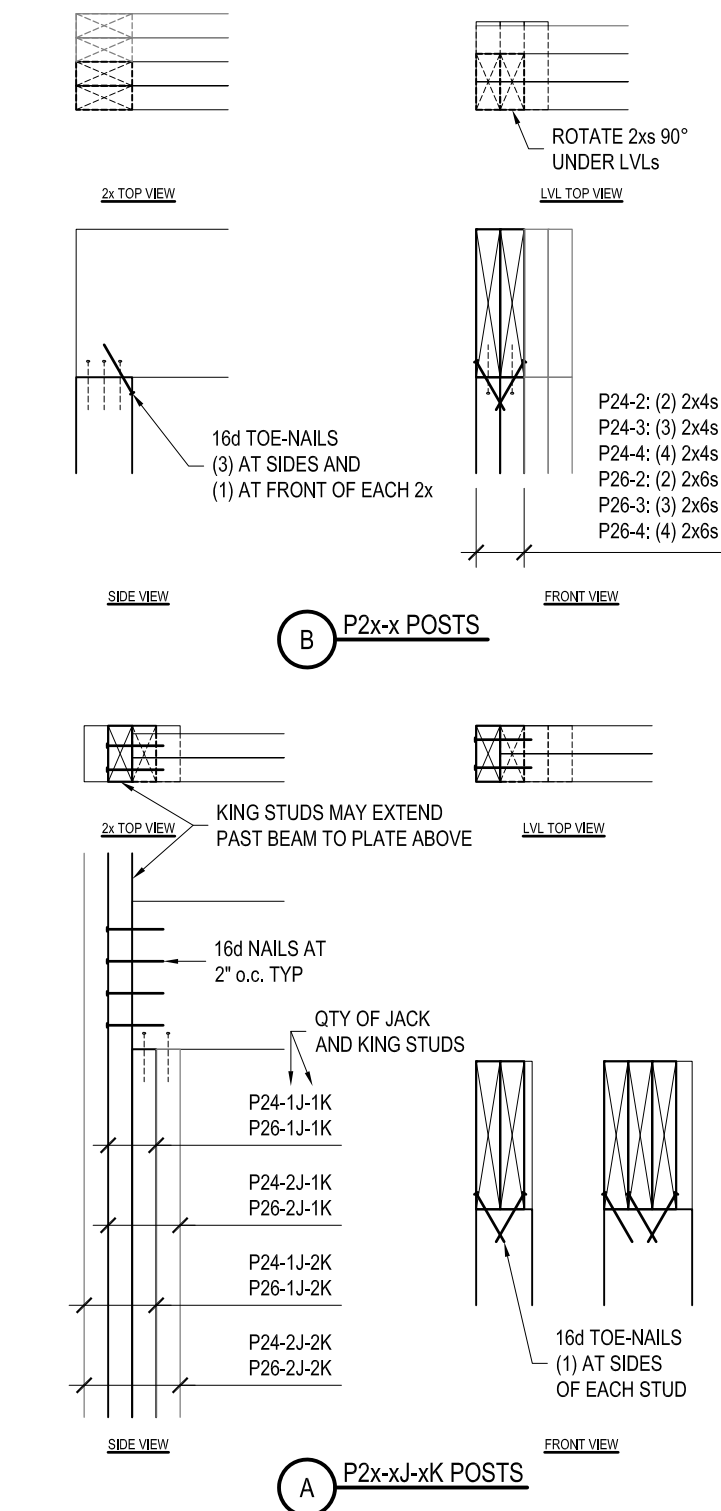
1 ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

ROOF TRUSS DESIGN LOADS	
ELEMENT	LOAD
TOP CHORD UNIFORM DEAD	5 PSF(a)
BOTTOM CHORD UNIFORM DEAD	10 PSF
BOTTOM CHORD MOVING POINT LOAD	300 lbs (b)
BOTTOM CHORD UNIFORM LIVE CONCEALED SPACES	20 PSF (c)
GROUND SNOW, P _g	50 PSF
FLAT ROOF SNOW LOAD, P _f	37.8 PSF
TERRAIN CATEGORY	C
THERMAL FACTOR, C _t	1.2
IMPORTANCE FACTOR, I _s	1.0
SLOPED ROOF SNOW LOAD, P _s (4-12)	35.5 PSF(d)
ROOF LIVE LOAD, L _r	20 PSF
ULTIMATE WIND SPEED (3-SEC GUST)	115 MPH

- (a) ROOF DEAD LOAD SHALL BE APPLIED OVER THE SLOPE OF THE TOP CHORDS.
(b) POINT LOADS SHALL BE APPLIED AT ALL LOCATIONS ALONG BOTTOM CHORDS TO ACCOUNT FOR THE SUPPORT OF UTILITIES. MULTIPLE POINT LOADS OF THIS MAGNITUDE SHALL BE APPLIED SIMULTANEOUSLY WITHIN EACH PANEL POINT BAY TO ACCOUNT FOR MULTIPLE UTILITIES SUPPORTED ALONG EACH TRUSS. THESE POINT LOADS SHALL BE IN ADDITION TO ALL UNIFORM LOADS.
(c) BOTTOM CHORD LIVE LOAD IN CONCEALED SPACES MAY BE APPLIED IN A SEPARATE LOAD CASE FROM SNOW LOADS.
(d) ROOF SNOW LOAD SHALL BE APPLIED OVER THE HORIZONTAL PROJECTION OF THE TOP CHORDS.
(e) MAX LIVE LOAD DEFLECTION: L/480.
(f) MAX TOTAL LOAD DEFLECTION: L/360.
(g) PROVIDE DESIGN OF AND SPECIFY SIMPSON CONNECTORS ONE FOR SUPPORT OF TRUSSES SUPPORTED BY PERPENDICULAR GIRDER TRUSSES.
(h) ALL ROOF TRUSSES SHALL BE ANCHORED TO WALL PLATES WITH SIMPSON H1 CONNECTOR ONE, WHERE THE DESIGN UPLIFT REACTION EXCEEDS 400 POUNDS. THE TRUSS DESIGNER SHALL FLAG THE TRUSS DESIGNS FOR DESIGN OF A STRONGER CONNECTION BY THE ENGINEER OF RECORD.

4 ROOF LOADING SCHEDULE



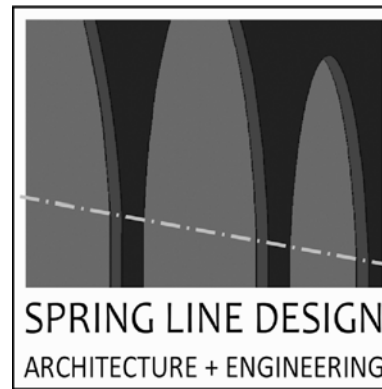
- BUILT-UP 2X POST NOTES:
1. ALL 2X POST MATERIAL LUMBER SHALL BE SPF STUD GRADE UNO
2. EACH 2x POST PLY SHALL BE NAILED TO AN ADJACENT PLY WITH 12d MIN NAILS STAGGERED AT 8" o.c. ABOUT CENTERLINE OVER FULL HEIGHT OF POST.
3. USE STAINLESS OR HOT DIP GALVANIZED NAILS IN CONTACT WITH PT LUMBER.

2 TYPICAL POST DETAIL

SCALE: 1" = 1'-0"



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CLIENT: TOWN OF GLENVILLE

TITLE: MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

LOCATION: 300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE: ROOF FRAMING
PLAN AND DETAILS

DESIGNED BY: JS DATE: 10/18/2019 SCALE: AS NOTED

DRAWN BY: JS CHECKED BY: JAB APPROVED:

REVISIONS: BID SET 10/18/2019

MHP PROJECT NUMBER:
1904290
SLD PROJECT NUMBER:
07419002

DRAWING NUMBER:
S-101

MATERIAL PROPERTIES:

EARTHWORK MATERIAL PROPERTIES:

1. SELECTED FILL: RUN-OF-BANK WELL DRAINING GRAVEL FREE OF AGGREGATE LARGER THAN 4" AND FINES (CLAY OR SILT) IN EXCESS OF 10 PERCENT.
2. STRUCTURAL FILL: CRUSHED GRAVEL MEETING THE MATERIAL REQUIREMENTS OF NYSDOT TYPE 4 SUBBASE
3. SUBBASE MATERIAL: PROCESSED CRUSHED GRAVEL MEETING THE MATERIAL REQUIREMENTS OF NYSDOT TYPE 2 SUBBASE.
4. COARSE AGGREGATE: CLEAN WASHED CRUSHED AND SCREENED STONE MEETING THE MATERIAL REQUIREMENTS OF ASTM C33 BLEND 57 AGGREGATE (A 50-50 MIX OF NYSDOT No.1 AND No. 2 3/4 STONE)
 - 95-100 % PASSING A 1" SIEVE
 - 25-60% PASSING A 1/2" SIEVE
 - 0-10% PASSING A NO. 4 SIEVE
 - 0-5% PASSING A NO. 8 SIEVE
5. FILTER OR SEPARATION FABRIC - DESIGN BASIS: MIRAFI 160N FABRIC
6. CUSHION SAND: SCREENED MATERIAL MEETING THE MATERIAL REQUIREMENTS OF NYSDOT 700-06
7. COMPACTION: 95% MODIFIED PROCTOR UNO.

CONCRETE MATERIAL PROPERTIES:

1. FOOTINGS AND WALLS:
 - 1 1/2" MAX AGGREGATE
 - 4,000 psi AT 28 DAYS
 - 6% AIR ENTRAINMENT.
2. SLABS:
 - 1" MAX AGGREGATE
 - 4,500 psi AT 28 DAYS
 - 3/2 % AIR ENTRAINMENT (± 1.5 %) FOR EXTERIOR SLABS.
 - NO AIR ENTRAINMENT ADMIXTURE FOR INTERIOR SLABS.
3. CONCRETE SLUMP:
 - MAX SLUMP 5" ± 1" WITH A MID-RANGE WATER REDUCER OR A LOW DOSE OF HIGH-RANGE WATER REDUCER OR SUPER PLASTICIZER
 - MAX SLUMP 7" ± 1" WITH FULL DOSE OF HIGH-RANGE WATER REDUCER OR SUPER PLASTICIZER
4. REBAR: ASTM A615, GRADE 60, MIN LAP SPICE 40 BAR DIAMETERS.
5. SEALANT AT CONCRETE JOINTS: SIKAFLEX 1A, OAE.

MASONRY MATERIAL PROPERTIES:

1. CONCRETE MASONRY UNITS (CMU): ASTM C90 TYPE 1, 8x16 NOMINAL TWO CELL UNITS. PROVIDE SPECIAL SHAPES AT CORNERS, JAMBS, ETC. BOND BEAM SHALL BE SLOTTED STRETCHER BLOCK WITH SLOTTED WEBS TO ALLOW FOR CONTINUOUS REBAR IN HORIZONTAL AND VERTICAL DIRECTIONS. HEADER BLOCK SHALL BE U-SHAPED BOND BEAM BLOCK WITH SOLID BOTTOMS.
2. MORTAR TYPES: USE TYPE N MORTAR (PROPORTIONS BY VOLUME: PORTLAND CEMENT - HYDRATED LIME - SAND), TYPE N PROPORTIONS 1-1-6.
3. PORTLAND CEMENT: ASTM C150 GRAY UNO, HYDRATED LIME: ASTM C207 TYPE S UNO.
4. ASTM 476 COURSE SAND GROUT FOR MASONRY CORES, 2,500 PSI
5. HORIZONTAL JOINT REINFORCEMENT - DESIGN BASIS: BRICK AND CMU: HOCHMANN AND BARNAUD 220, LADDER TYPE, STANDARD NO. 9 WIRE (W1.7), HOT DIP GALVANIZED, SIZE: 1/2" MIN LAP SPICE 40 BAR DIAMETERS.
6. REBAR: SAME AS CONCRETE REQUIREMENTS.

FRAMING LUMBER MATERIAL PROPERTIES:

SPRUCE PINE FIR (2x8s AND LARGER); SPF KD NO. 1No. 2

Fb	875	FI	450
Fv	135	Fc, Perp	425
Fc, Pll	1,150	E	1,400

SPRUCE PINE FIR (2x4 AND 2x6 STUDS); SPF KD TRUSS GRADE

Fb	875	FI	350
Fv	135	Fc, Perp	425
Fc, Pll	725	E	1,200

PRESSURE TREATED LUMBER: SYP KD NO. 2, NON-CCA TREATMENT

Fb	875	FI	450
Fv	70	Fc, Perp	425
Fc, Pll	1,150	E	1,400

LAMINATED VENEER LUMBER (LVL); LEVEL TRUSS JOIST 1.9E W/ 2600 AGO

Fb	2,600	FI	1,355
Fv	285	Fc, Perp	750
Fc, Pll	2,510	E	1,900

FASTENER AND ADHESIVE MATERIAL PROPERTIES:

1. WOOD FRAMING NAILS: 3/2" x 0.131" (16G NOMINAL) PNEUMATICALLY DRIVEN NAILS.
2. EXTERIOR WOOD SHEATHING NAILS: SEE WOOD PANEL FASTENING DETAIL.
3. WOOD FLOOR DECK SCREWS: SEE WOOD PANEL FASTENING DETAIL.
4. METAL HANGER/CONNECTOR FASTENERS FOR FACE MOUNT TO SINGLE 2x PLY HEADERS OR LEDGERS SHALL BE SIMPSON SD9-112 SCREWS UNO. USE ONLY WHEN A SINGLE 2x LEDGER IS CALLED FOR. FOR ALL OTHER APPLICATIONS USE 3" x 0.131" COMMON FACE NAILS AT DOUBLE 2x LEDGERS OR MULTIPLE BEAMS.
5. SELF-DRILLING WOOD SCREWS (SDS); FASTEN-MASTER HEADLOR OR SIMPSON SDS SCREWS UNO.
6. MACHINE BOLTS, NUTS, WASHERS: ASTM A307
7. EXPANSION STUD ANCHORS: HILTI HIT-HY-BOLT OAE, HOT-DIP GALVANIZED UNO
8. STUD ANCHORS (THREADED ROD) IN CONCRETE: HILTI HIT-HY 200 ADHESIVE, OAE.
9. STUD ANCHORS (THREADED ROD) IN WET APPLICATIONS: HILTI HIT-RE 500 MAX, OAE.
10. STUD ANCHORS (THREADED ROD) IN COLD WEATHER APPLICATIONS: HILTI HIT-RE ADHESIVE, OAE.
11. STUD ANCHORS (THREADED ROD) IN HOLLOW AND SOLID MASONRY: HILTI HIT-HY 270 ADHESIVE, OAE.
12. CONCRETE SCREWS: TAPCON OAE.
13. CONSTRUCTION ADHESIVE FOR WOOD PANELS: POLYURETHANE ADHESIVE MEETING REQUIREMENTS OF ASTM D-3498 AND APA-AFG-01, TITEBOND GREEN-CHOICE OR LIQUID NAILS LN-902

PRE-ENGINEERED WOOD TRUSSES:

1. ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED BY A SHOP OR FABRICATOR SPECIALIZING IN THIS WORK, AND UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN NYS.
2. TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN CONFORMANCE WITH NDS, AFPA, NDSMPCWTC, TPI, AND BCAYS.
3. THE TRUSS DESIGN SHALL INCLUDE SHOP DRAWINGS CLEARLY SHOWING THE TRUSS FRAMING CONFIGURATION AS SCHEMATICALLY INDICATED ON THE CONTRACT DRAWINGS. THE SHOP DRAWING PACKAGE SHALL DETAIL TRUSS ANCHORAGE, BLOCKING, CURBING, AND MISG FRAMING. ALL TRUSS SHOP DRAWINGS AND CALCULATIONS SHALL BEAR THE STAMP AND SIGNATURE OF THE ENGINEER RESPONSIBLE FOR THE DESIGN.
4. THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER FOR THE DESIGN OF ALL PORTIONS AND COMPONENTS OF THE ROOF FRAMING EXCLUDED BY THE TRUSS SUPPLIER. A COMPLETE DESIGN PACKAGE SHALL BE SUBMITTED FOR REVIEW AND COMMENT BEFORE TRUSS FABRICATION BEGINS.
5. CONNECTOR PLATES SHALL MEET OR EXCEED ASTM A653.
6. MAXIMUM TRUSS DEFLECTION RATIOS SHALL BE: SPAN / 480 (LIVE) AND SPAN / 360 (TOTAL).
7. TRUSSES SHALL BE MANUFACTURED, SHAPED, AND ERECTED TO IN A MANNER TO PRECLUDE EXCESSIVE LATERAL BENDING STRESSES.
8. TRUSSES SHALL BE ANCHORED TO TOP WALL PLATES, GIRDER TRUSSES, AND OTHER BEARING SURFACES ONLY WITH APPROVED CONNECTION. THE MINIMUM DESIGN UPLIFT FORCE TO BE RESISTED AT BEARING POINTS BY ALL TRUSSES SHALL BE 400 LBS. ALL TRUSSES SHALL BE SECURED WITH SIMPSON H1 CONNECTORS OAE, UNLESS AN UPLIFT REACTION IN EXCESS OF 400 LBS IS REQUIRED BY THE TRUSS DESIGN. IN THIS CASE THE ENGINEER OF RECORD SHALL SPECIFY AN ALTERNATE STRONGER UPLIFT CONNECTOR.
9. FIELD CUTTING AND/OR MODIFICATION OF TRUSSES IS STRICTLY PROHIBITED.
10. DAMAGED TRUSSES SHALL BE REPLACED WITH NEW TRUSSES. TRUSS REPAIRS MAY BE MADE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD (EOR) FOR THE ENTIRE BUILDING DESIGN. IN THIS CASE, REPAIR DETAILS PREPARED SHALL BE PREPARED BY THE TRUSS MANUFACTURER UNDER THE DIRECTION OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE ORIGINAL TRUSS DESIGN. ALL REPAIR DETAILS SHALL BE SEALED BY THIS ENGINEER AND SHALL BE SUBMITTED FOR REVIEW AND COMMENT BY THE EOR BEFORE ANY REPAIRS ARE UNDERTAKEN.
11. TRUSSES SHALL BE ERECTED IN ACCORDANCE WITH HIB-91, TPI.
12. TEMPORARY BRACING IS THE FULL RESPONSIBILITY OF THE CONTRACTOR.
13. MINIMUM PERMANENT TRUSS BRACING SHALL CONSIST OF THE FOLLOWING:
 - 13.1. CONTINUOUS HORIZONTAL LONGITUDINAL BRACING ALONG BOTTOM CHORDS AT 10 FT MAX O.C.
 - 13.2. WRACKING ASSEMBLIES AT BOTTOM CHORDS LATERALLY ALONG LENGTH OF TRUSSES; W/DIAGONALS EXTENDING LONGITUDINALLY OVER MAX. 4 TRUSSES, W/BRACKING ASSEMBLIES SPACED AT 20 FT MAX O.C.
 - 13.3. DIAGONAL GABLE END BRACING AT 10 FT MAX O.C. OVER THE WIDTH OF BUILDING.
 - 13.4. CONTINUOUS HORIZONTAL LONGITUDINAL BRACING ALONG TRUSS WEBS IDENTIFIED ON TRUSS SHOP DRAWINGS AS REQUIRING COMPRESSION BRACING. SOME TRUSS WEBS MAY REQUIRE MULTIPLE ROWS OF BRACING AS REQUIRED BY TRUSS DESIGN.
 - 13.5. CROSS BRACING ASSEMBLIES ALONG TRUSS WEB HORIZONTAL BRACING IN 13.4 ABOVE, AT 20 FT MAX O.C. EXTEND CROSS BRACING FROM BOTTOM CHORDS TO TOP CHORDS ACROSS MINIMUM OF TWO TRUSS BAYS.

CONSTRUCTION NOTES:

GENERAL:

1. DESIGN IS PER THE 2017 NEW YORK STATE UNIFORM CODE (NYS-UC) CONSISTING OF THE 2015 IBC AND 2017 NEW YORK STATE AMENDMENTS.
2. THESE STRUCTURAL DRAWINGS ARE NOT INTENDED AS STAND ALONE DOCUMENTS. REFER TO FULL CONSTRUCTION DOCUMENT PACKAGE FOR COMPLETE PROJECT INFORMATION AND DETAILS.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS WORK PROGRESSES AND SHALL REPORT ANY DISCREPANCIES BETWEEN EXISTING WORK AND CONTRACT DOCUMENTS TO ARCHITECT AND ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.
4. DO NOT SCALE DRAWINGS.
5. ALL DETAILS AND NOTES ARE TYPICAL UNO.
6. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING AS REQUIRED BY THE MEANS AND METHODS UNDERTAKEN.
7. PROVIDE ALL TEMPORARY BRACING UNTIL ALL REQUIRED STRUCTURAL SYSTEMS ARE IN PLACE.
8. COMPONENTS NECESSARY FOR CONSTRUCTION SAFETY ARE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MEANS AND METHODS UNDERTAKEN.
9. OBSERVE ALL CURRENT OSHA REQUIREMENTS IN CONSTRUCTION ACTIVITIES.
10. PROVIDE PLACARDS, PER ELEVATION L16-362-2, AT ALL ENTRY DOORS DENOTING THE PRESENCE OF:
 - 10.1. WOOD OR STEEL TRUSSES, INCLUDING BAR JOISTS
 - 10.2. ENGINEERED WOOD CONSTRUCTION (JOISTS, LVLS, GULAMS, ETC.)
 - 10.3. PLACARDS ARE AVAILABLE AT WWW.SAFETYSON.COM AND MANY OTHER SOURCES.
11. SPECIAL INSPECTIONS (SI) ARE REQUIRED FOR THE PROJECT. SI SHALL BE MADE BY THE OWNER'S INDEPENDENT INSPECTION AGENCY. THE CONTRACTOR SHALL NOTIFY BOTH THE OWNER AND THE SI AGENCY PRIOR TO INSTALLING WORK THAT REQUIRES SI AND ALLOW ACCESS FOR THESE SI TO OCCUR IN A TIMELY MANNER. WORK REQUIRING SI INSTALLED BY THE CONTRACTOR WITHOUT NOTIFICATION SHALL BE CAUSE FOR REJECTION AND REPLACEMENT OF THE WORK.

FOUNDATION SUBGRADE PREPARATION NOTES:

1. CLEAR AND GRUB THE PROJECT WORK AREA (5 FT OUTSIDE OF EXCAVATION LIMITS OF THE FOUNDATION UNO).
2. STRIP ALL TOPSOIL FROM THE PROJECT WORK AREA. STOCKPILE TOPSOIL ON SITE FOR REUSE OR DISPOSE OF OFF SITE AS DIRECTED ELSEWHERE IN THE CONTRACT DOCUMENTS.
3. EXCAVATE TO THE BOTTOM OF SUBGRADE FOR THE FOUNDATION FOOTINGS. SEE THE CONTRACT DRAWINGS AND OR DETAILS FOR UNDERCUTS REQUIRED FOR STONE FILL, SUBBASE MATERIAL, AND OR STRUCTURAL FILL BELOW THE BOTTOM OF FOOTING CONCRETE. NOTE THAT SUBGRADE ELEVATIONS MAY VARY IN DIFFERENT AREAS OF THE PROJECT.
4. REMOVE ALL UNSUITABLE SOIL FROM THE SUBGRADE WORK AREA. UNSUITABLE SOIL IS ANY SO, MATERIAL THAT CONTAINS ORGANIC MATERIAL, PEAT, ROOTS, UNCONTROLLED FILL, CONCENTRATIONS OF CLAY OR SILT GREATER THAN 20%, CONSTRUCTION DEBRIS, ETC. DISPOSE OF UNSUITABLE SOIL MATERIAL OFF SITE.
5. ALL EXCAVATIONS FOR CONSTRUCTION PROJECT SHALL EXTEND HORIZONTALLY 1'-6" MIN CLEAR BEYOND LIMITS OF FOOTINGS UNO.
6. FINAL GRADES SHOULD BE CAREFULLY TRIMMED TO MINIMIZE DISTURBANCE TO THE EXISTING SUBGRADE SOILS.
7. PROOF COMPACT THE SUBGRADE SURFACE WITH A SMOOTH DRUM VIBRATORY ROLLER HAVING A MINIMUM STATIC WEIGHT OF 1 TON. DO NOT USE A VIBRATORY PLATE COMPACTOR FOR THIS STEP. OPERATE THE ROLLER IN VIBRATORY MODE AND COMPLETE 5 OVERLAPPING PASSES IN ONE DIRECTION. PROOF COMPACT IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE OR ENGINEER. REPEAT THE PROCESS IN THE PERPENDICULAR DIRECTION.
8. ALL AREAS OF SUBGRADE THAT PUMP AND WEAVE UNDER PROOF COMPACTION, OR THAT OTHERWISE FAIL TO STABILIZE, SHALL BE CONSIDERED UNSUITABLE MATERIAL, AND MARKED FOR OVER-EXCAVATION. REMOVE ALL UNSUITABLE SOIL MATERIAL, REGARDLESS OF DEPTH, REPEAT PROOF COMPACTION AT ALL NEW EXCAVATION AREAS.
9. ALL OVER-EXCAVATED AREAS SHALL BE REPLACED WITH STRUCTURAL FILL OR SUBBASE MATERIAL PLACED IN 8 INCH DEEP MAX LIFTS AND COMPACTED TO MINIMUM 95% MODIFIED PROCTOR.
10. ALL EXCAVATION SUBGRADES SHALL BE SLOPED TO ACHIEVE POSITIVE DRAINAGE OF RAINWATER AND GROUNDWATER TO EXCAVATED SUMPS PITS TO PREVENT THE ACCUMULATION OF STANDING WATER AT ALL TIMES.
11. PLANNED EXCAVATION DEPTHS SHOULD BE REVIEWED WITH RESPECT TO THEIR DISTANCE TO ADJACENT STRUCTURES. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHEETING AND OR SHORING REQUIRED TO PERFORM THE CONTRACT WORK WITHOUT DISTURBANCE TO ADJACENT STRUCTURES AND TO PROTECT ALL UTILITIES. (SEE GENERAL NOTES 5 AND 7.)
12. MINIMUM DEPTH OF EXTERIOR FOOTINGS IS 4'-0" MIN BELOW FINISHED GRADE UNO.
13. GROUNDWATER WILL LIKELY BE ENCOUNTERED WITHIN THE EXISTING FILL SOILS AND AT THE INTERFACE WITH INDIGENOUS SOILS.
14. DEWATERING SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT THE DURATION OF THE PROJECT UNTIL ALL EXCAVATIONS ARE BACKFILLED TO ACHIEVE POSITIVE SURFACE DRAINAGE.
15. SOIL SUBGRADE CONDITIONS THAT ARE ALLOWED TO POOL, STANDING WATER OR BECOME SATURATED, FROZEN, OR DISTURBED SHALL BE REWORKED AT NO ADDITIONAL COST.
16. DO NOT PLACE UNBALANCED BACKFILL AGAINST BASEMENT FOUNDATION WALLS UNTIL FIRST FLOOR STRUCTURE IS IN PLACE, AND CONCRETE STRENGTH HAS ACHIEVED 70% 1c/ (TYPICALLY 7 DAYS MINIMUM).
17. DO NOT PLACE BACKFILL AGAINST FOOTINGS, FROST WALLS, AND PIERS PRIOR TO 3 FULL DAYS AFTER CONCRETE PLACEMENT. PLACE AND COMPACT BACKFILL EVENLY AGAINST EACH SIDE IN 8INCH MAX LIFTS.
18. DO NOT BACKFILL UNTIL FOUNDATION HAS BEEN INSPECTED AND APPROVED.

CONSTRUCTION NOTES:

CONCRETE PLACEMENT NOTES:

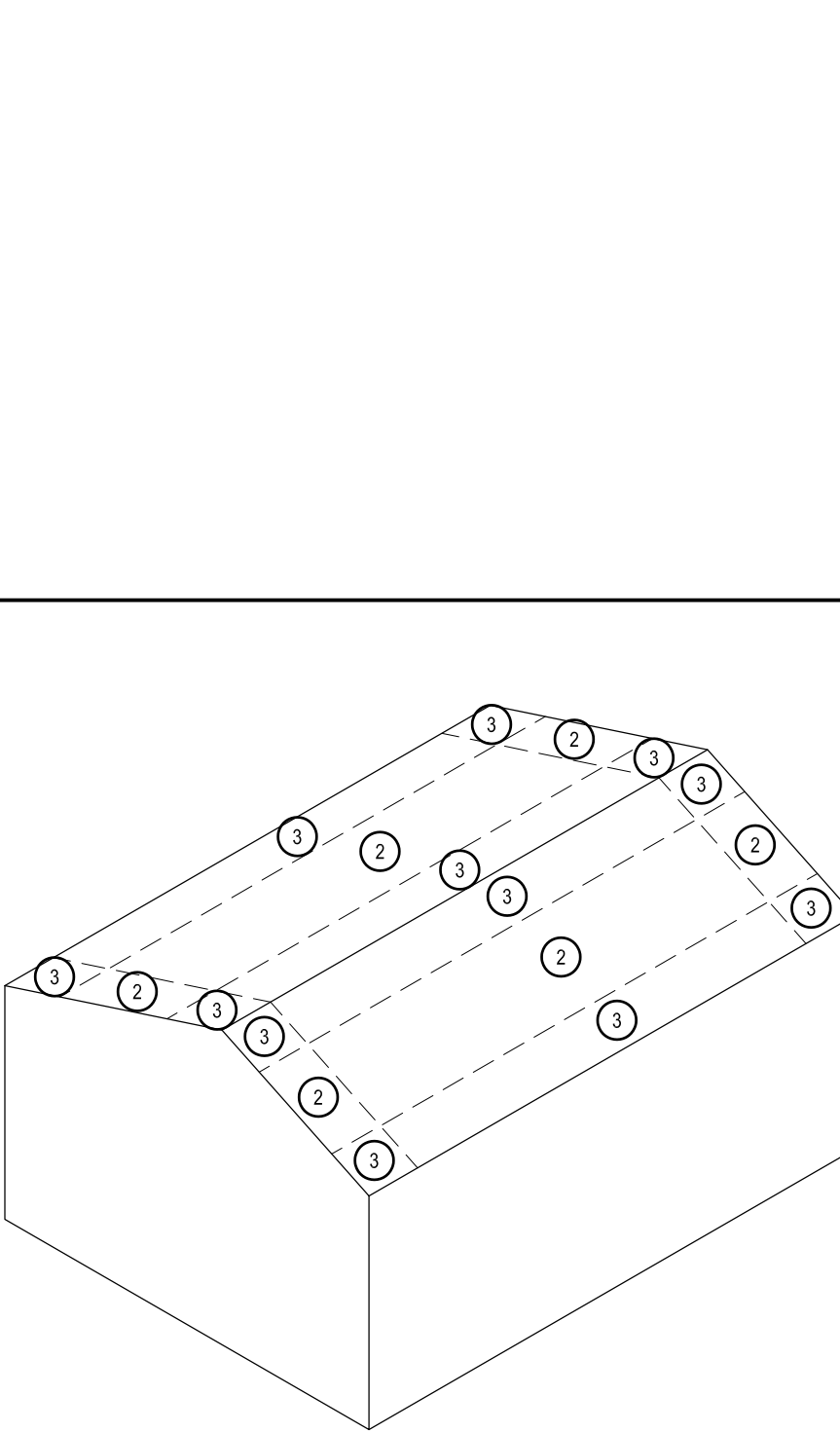
1. SEE STRUCTURAL DRAWINGS FOR FOOTING DETAILS.
2. SEE STRUCTURAL DRAWINGS FOR FOUNDATION WALL SECTIONS.
3. PROVIDE SCHEDULE 40 PVC PIPE SLEEVES FOR ALL FOUNDATION WALL PENETRATIONS. COORDINATE PIPE SLEEVE SIZES AND LOCATIONS WITH ALL TRADES. REMOVE SLEEVES AFTER WALL IS CAST. PACK AROUND UTILITIES WITH NON-SHRINK GROUT BEFORE WATERPROOFING WALL EXTERIOR.
4. CONCRETE COVER DISTANCES:
 - 4.1. FOOTINGS: 3" UNO
 - 4.2. WALLS 1 1/2" UNO
 - 4.3. PLASTER: 1 1/2" UNO
 - 4.4. FLOOR SLABS: 1 1/2" UNO
5. PROVIDE MATCHING THE BARS FOR ALL CONTINUOUS HORIZONTAL REINFORCEMENT IN ALL FOOTINGS AND WALLS AT CORNERS AND INTERSECTIONS. SEE DETAILS ON STRUCTURAL DRAWINGS.
6. PLACE ALL FORMWORK AND REINFORCEMENT PER CURRENT EDITION OF ACI 301.
7. ALL REINFORCING MUST BE SECURELY TIED IN PLACE PRIOR TO CONCRETE POUR. WET SETTING OF DOWELS IS NOT PERMITTED.
8. FOLLOW THE RECOMMENDATIONS OF ACI 308R DURING HOT WEATHER PLACEMENT.
9. FOLLOW THE RECOMMENDATIONS OF ACI 308R DURING COLD WEATHER PLACEMENT.
10. ALL CONCRETE MUST BE CONSOLIDATED WITH A VIBRATOR PER ACI RECOMMENDATIONS, INCLUDING SLABS.
11. WHERE CONCRETE IS NOT EXPOSED TO VIEW OR NOTED TO RECEIVE A RUBBED FINISH, LEAVE FORMWORK IN PLACE TO AID IN CURING CONCRETE FOR A MINIMUM OF 7 DAYS PER ACI RECOMMENDATIONS. THIS FORMWORK MAY BE STRIPPED AFTER 1 DAY AT FOOTINGS AND WALLS ONLY IF THE CONCRETE IS CURED BY MEANS OF A SPRAY-ON DISSIPATING ACRYLIC POLYMER CURING COMPOUND, OR BY A MOIST CURING METHOD. EARLY FORM REMOVAL AND CURING METHODS AND MATERIALS MUST BE APPROVED BY THE ENGINEER OR ARCHITECT.
12. WHERE CONCRETE IS EXPOSED TO VIEW, PROVIDE A SMOOTH FORM FINISH AND REMOVE FORMS AFTER 2 DAYS UNO. REMOVE ALL CONCRETE FINIS OR OTHER PROJECTIONS AT BETWEEN FORMWORK JOINTS AND PATCH ALL VOIDS AND FORM-TIE HOLES WITH NON-SHRINK GROUT AND FINISH SURFACE TO MATCH THE DAY THAT FORMWORK IS STRIPPED. GRINDING THE CONCRETE OR PARING OVER THE CONCRETE SURFACE LATER WILL NOT BE ACCEPTED.
13. WHERE CONCRETE IS EXPOSED TO VIEW AND NOTED TO HAVE A RUBBED FINISH, PROVIDE A SMOOTH FORM FINISH AND REMOVE FORMS AFTER 1 DAY UNO. REMOVE ALL CONCRETE FINIS OR OTHER PROJECTIONS AT BETWEEN FORMWORK JOINTS AND PATCH ALL VOIDS AND FORM-TIE HOLES WITH NON-SHRINK GROUT ON THE SAME DAY THAT FORMWORK IS STRIPPED. WET THE SURFACE AND RUB THE CONCRETE WITH A CARBORUNDUM BRICK UNTIL A UNIFORM COLOR AND TEXTURE ARE PRODUCED. WHEN INSUFFICIENT PASTE CAN BE DRAWN FROM THE CONCRETE ITSELF, SUPPLEMENT WITH CEMENTITIOUS MATERIALS GROUT MADE FROM THE SAME SOURCE AS THE CONCRETE. GRINDING THE CONCRETE OR PARING OVER THE CONCRETE SURFACE LATER WILL NOT BE ACCEPTED.
14. PROVIDE SLAB-ON-GRADE CRACK CONTROL JOINTS AT LOCATIONS SHOWN ON PLANS. WHERE JOINTS ARE NOT SHOWN, CUT JOINTS AT A MAXIMUM SPACING OF 3 TIMES THE SLAB THICKNESS.
15. SAW CUT SLAB-ON-GRADE CRACK CONTROL JOINTS (1" DEEP U.N.O.) AS SOON AS CONCRETE MAY BE CUT WITHOUT DISLOGGING AGGREGATE, PREFERABLY WITHIN 12 HOURS OF FINISHING. FILL WITH BACKER ROD AND 2-PART SELF-LEVELING SEALANT, GRAY IN COLOR WHERE EXPOSED TO VIEW.

MASONRY CONSTRUCTION NOTES:

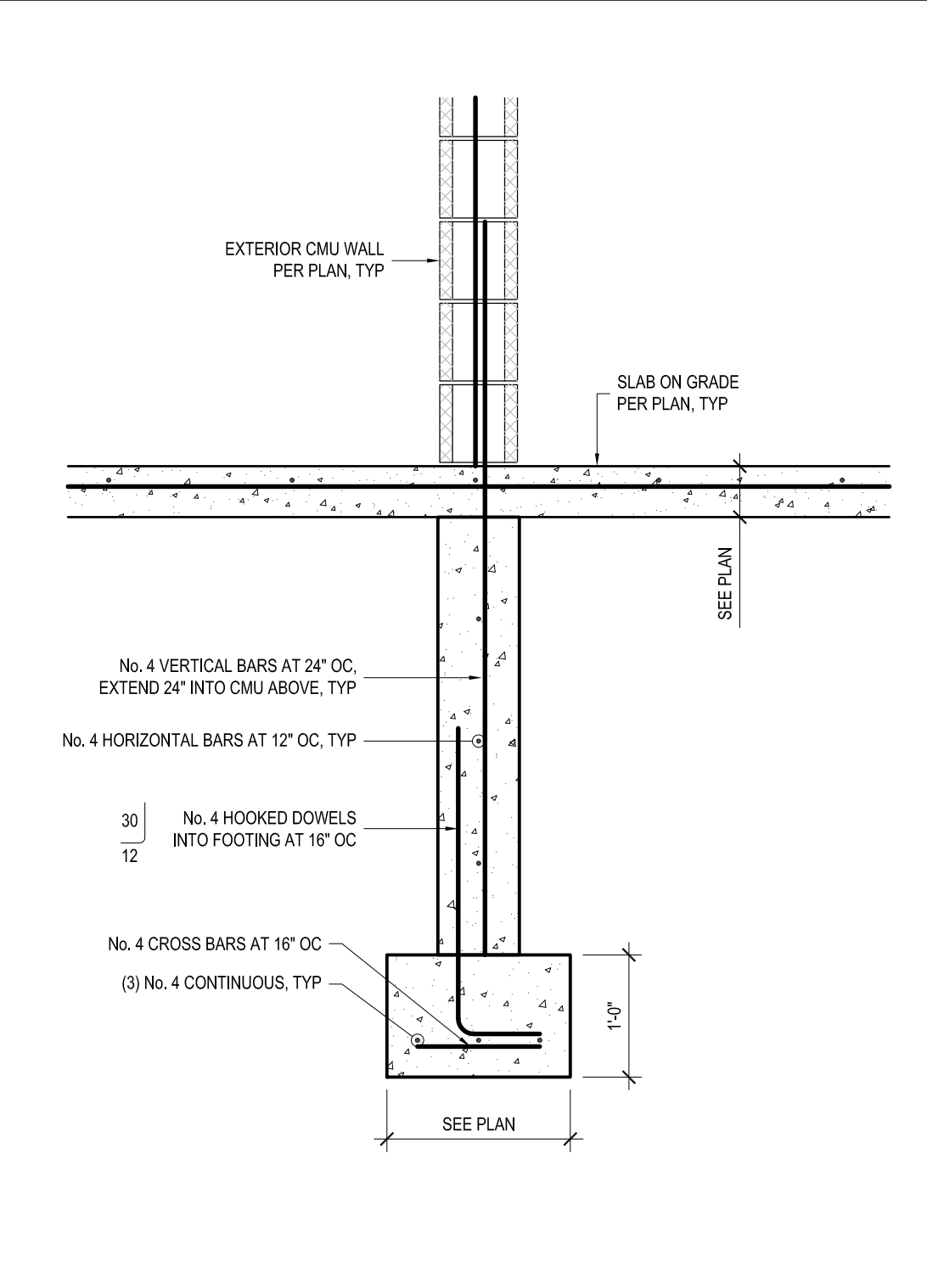
1. USE MATERIALS FROM A SINGLE SOURCE FOR EACH TYPE OF MATERIAL THROUGHOUT THE PROJECT.
2. DO NOT USE MORTAR AS GROUT TO FILL CMU CORES. USE OF MORTAR AS GROUT IS CAUSE FOR REJECTION AND REPLACEMENT OF THE WORK.
3. DO NOT USE ADMIXTURES IN THE MORTAR UNLESS APPROVED IN WRITING.
4. PLACE VERTICAL AND HORIZONTAL STEEL BAR REINFORCEMENT AND GROUT WITHIN CMU CORES DETAILED ON THESE DRAWINGS AND PER MCM TEK MANUAL, 5.2 GROUTING CONCRETE MASONRY WALLS, LATEST EDITION.
5. HOLD TOP OF GROUT LIFTS 1'-1/2" BELOW TOP OF CORES TO ESTABLISH A KEY-JOINT BETWEEN NEXT COURSE OF CMU ABOVE.

WOOD FRAMING NOTES:

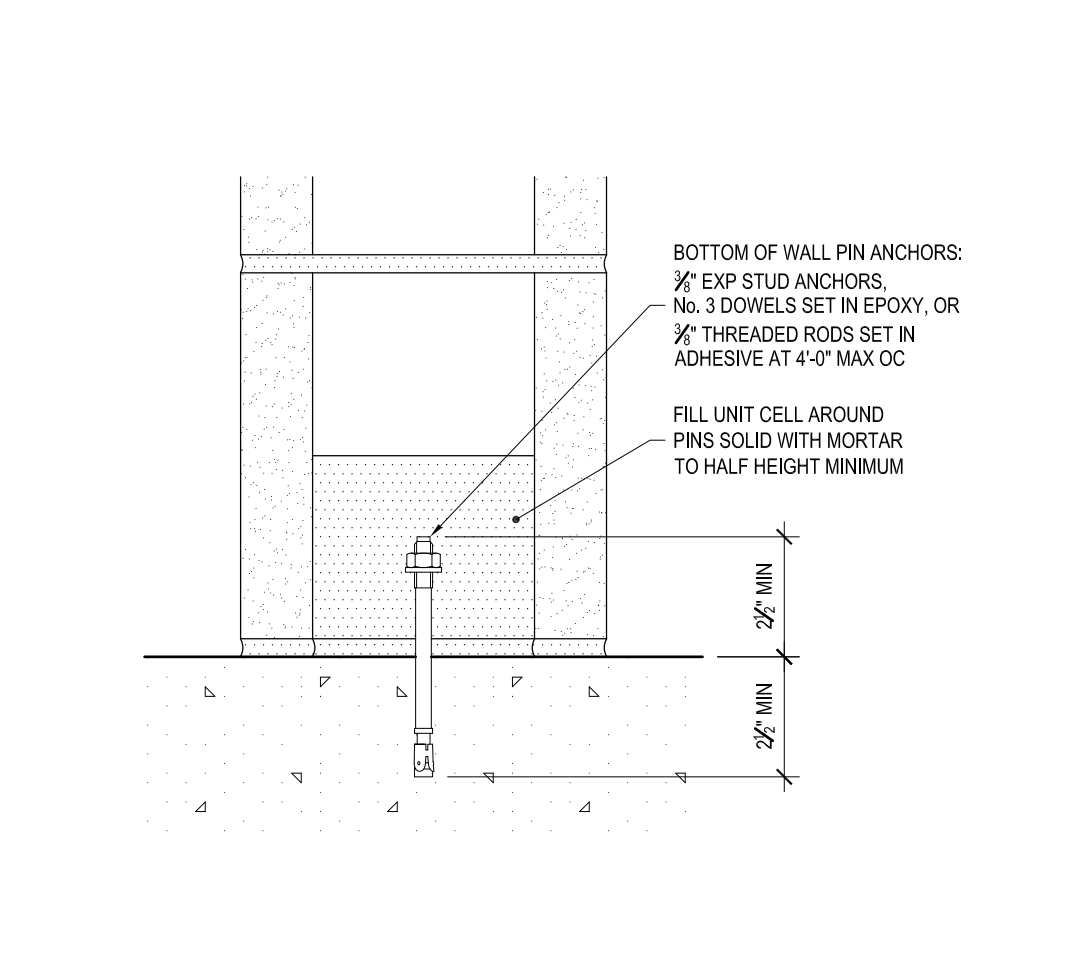
1. FRAMING CONSTRUCTION PRACTICES SHALL ADHERE TO THE LATEST EDITION OF THE WOOD FRAME CONSTRUCTION MANUAL (WFOM) PUBLISHED BY THE AMERICAN WOOD COUNCIL AND THE AMERICAN FOREST & PAPER ASSOCIATION.
2. SEE WOOD PANEL FASTENING DETAIL FOR WALL, ROOF, AND FLOOR SHEATHING MATERIALS AND FASTENING INFORMATION.
3. MULTIPLE PLY 2x OR LVL BEAMS SHALL BE FASTENED TOGETHER PER DETAILS ON STRUCTURAL DRAWINGS.
4. PROVIDE DOUBLE 2x TRIMMERS TO MATCH DEPTH OF REGULAR FRAMING AROUND ALL OPENINGS THROUGH FLOOR AND ROOF DECK UNO.
5. ALL FRAMING IN CONTACT WITH CONCRETE OR FRAMING WITHIN 8" OF GRADE SHALL BE PRESURE TREATED WITH NON-CCA PRESERVATIVE.
6. ALL FLUSH FRAMED 2x CONNECTIONS SHALL BE MADE WITH SIMPSON LUS TYPE JOIST HANGERS, SIZED FOR FULL JOIST DEPTH, LUS210 FOR 2x10s RATHER THAN LUS28
7. ALL METAL PLATE CONNECTION HARDWARE AND FASTENERS IN CONTACT WITH PRESURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED UNO. ZMAX COATING SHALL BE SUFFICIENT FOR SIMPSON CONNECTORS.



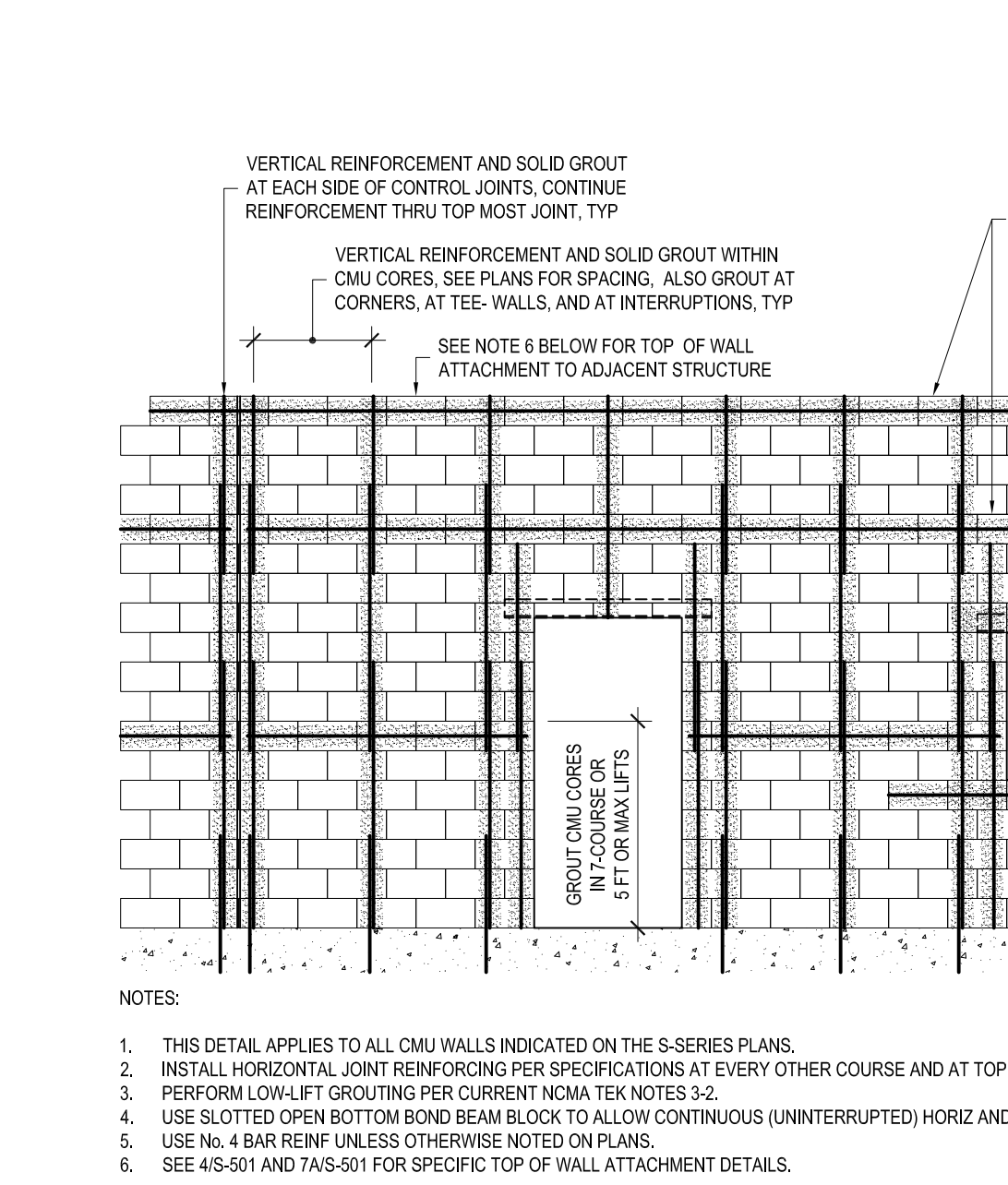
COMPONENTS AND CLADDING WIND PRESSURES			
EFFECTIVE WIND AREA	10 SF		
HEIGHT (MAX)	20 FT		
DISTANCE "s"	4.60 FT		
ZONE	ULTIMATE WIND PRESSURE	ASD WIND PRESSURE	
1	+16.6 / -26.4 PSF	+10.0 / -15.8 PSF	
2	+16.6 / -45.9 PSF	+10.0 / -27.5 PSF	
3	+16.6 / -67.8 PSF	+10.0 / -40.7 PSF	



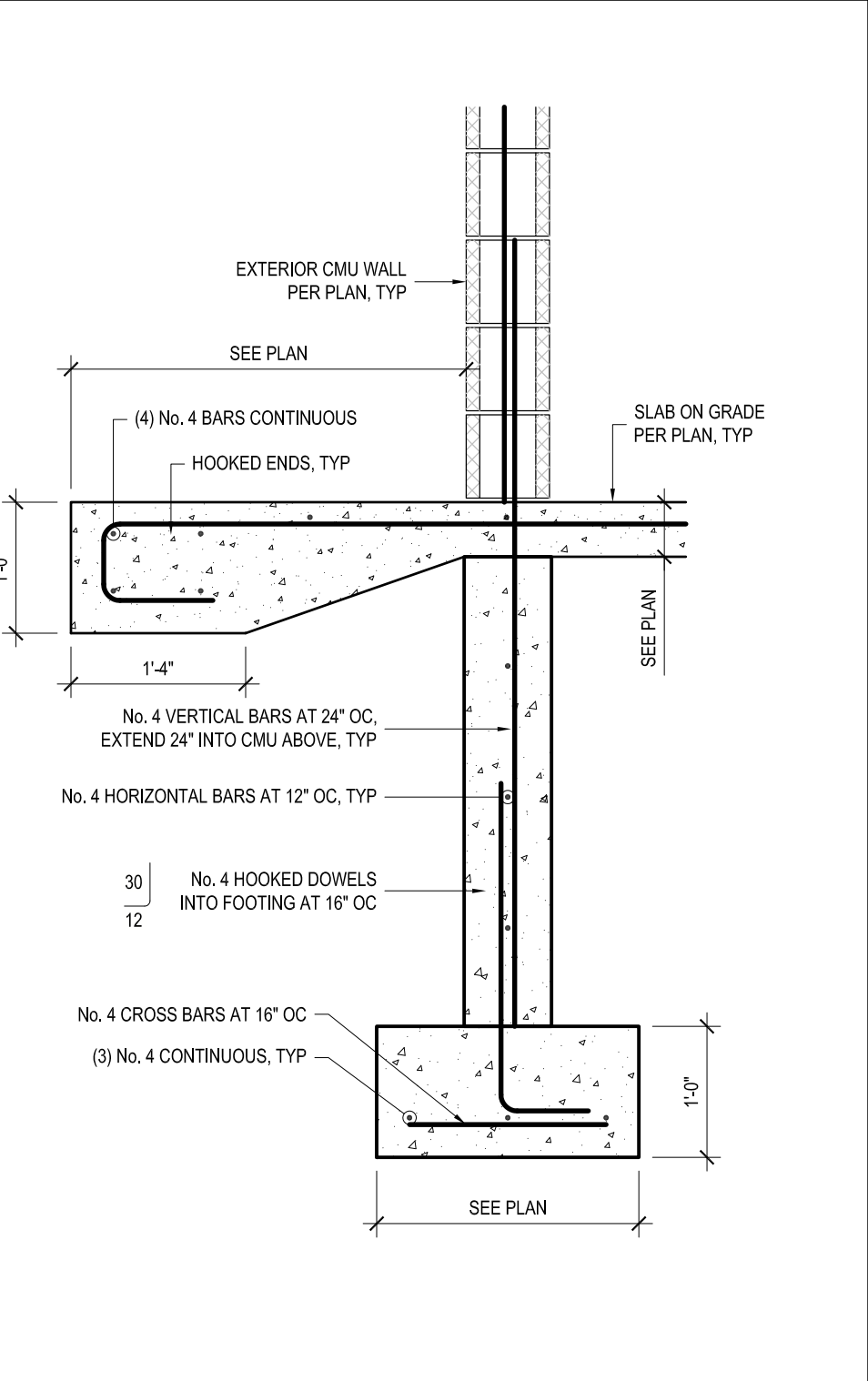
5	FOUNDATION WALL SECTION
	SCALE: 3/4\"/>



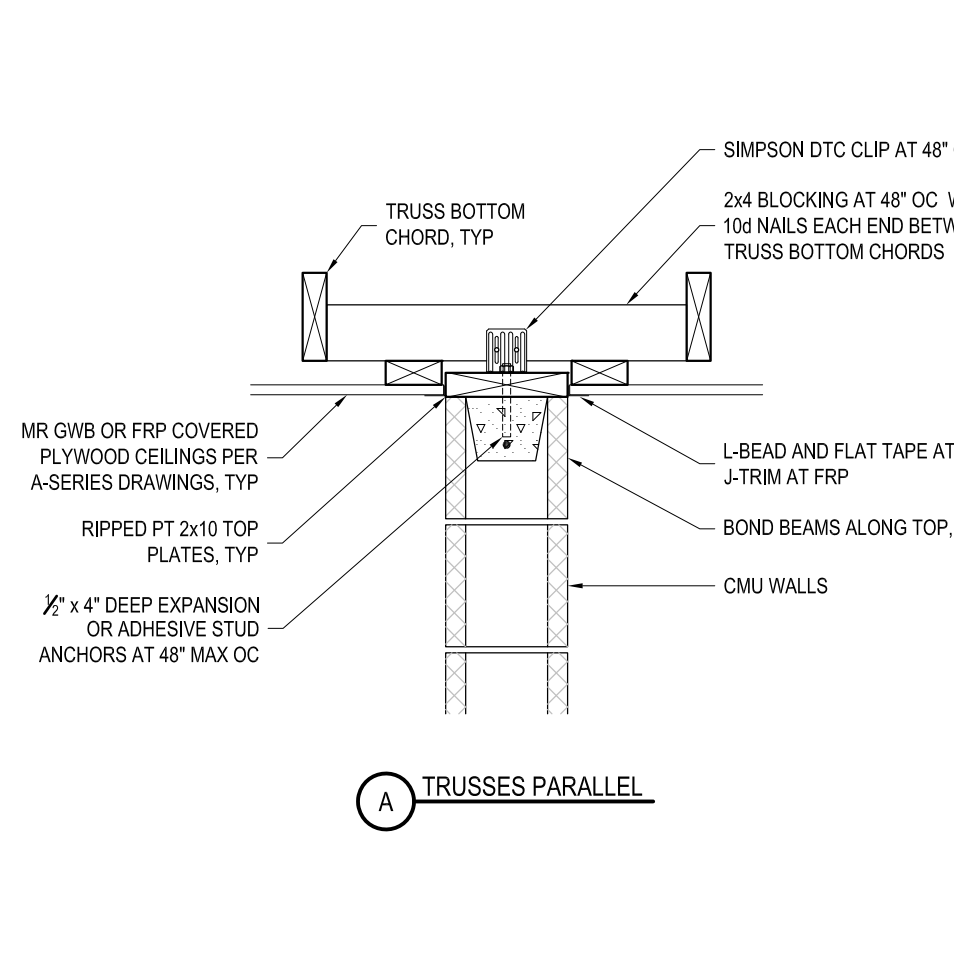
3	INTERIOR PARTITION BASE PINNING
	SCALE: 3\"/>



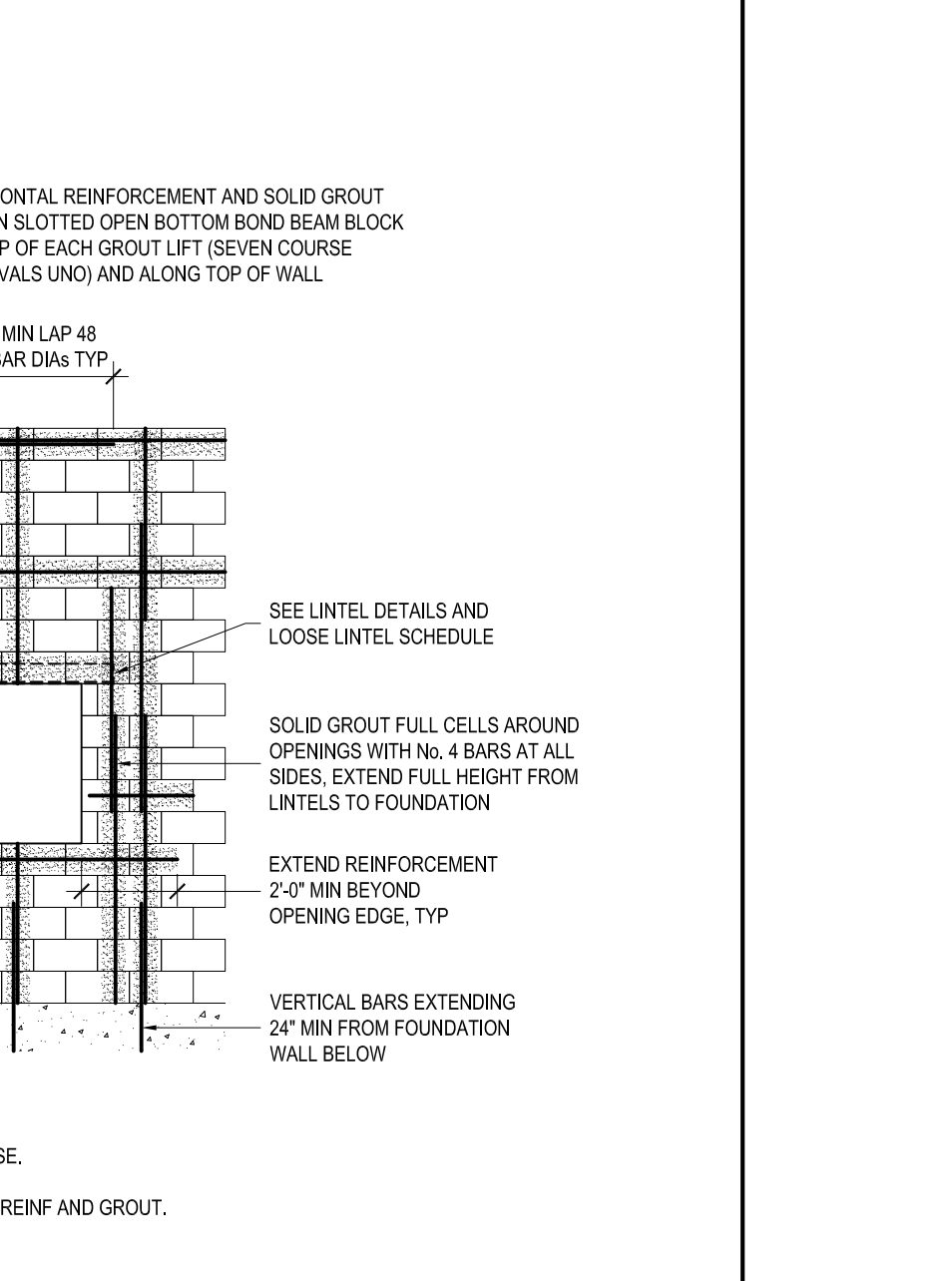
1	TYPICAL EXTERIOR MASONRY WALL REINFORCING ELEVATION
	SCALE: 1/4\"/>



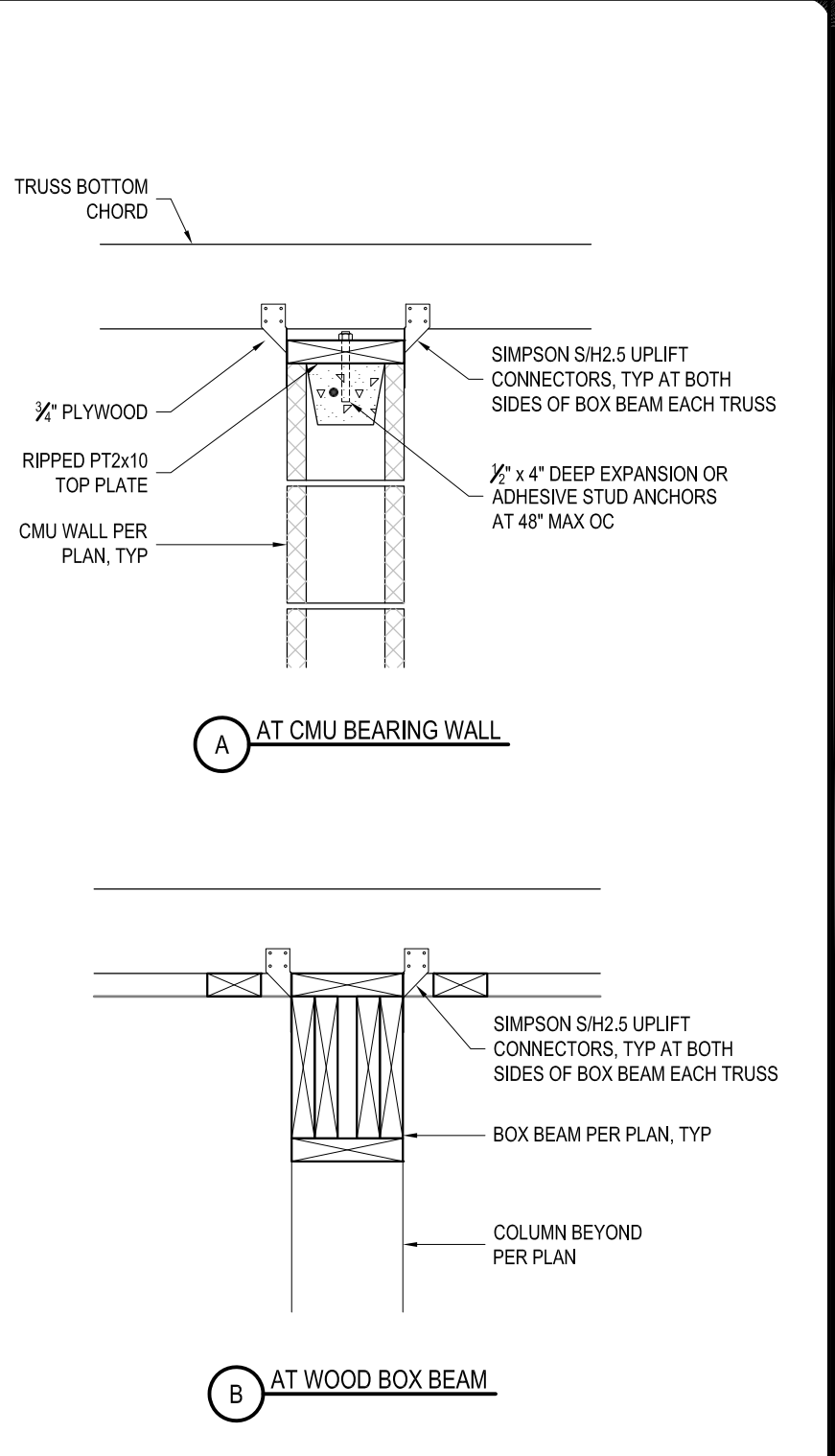
6	FOUNDATION WALL SECTION
	SCALE: 3/4\"/>



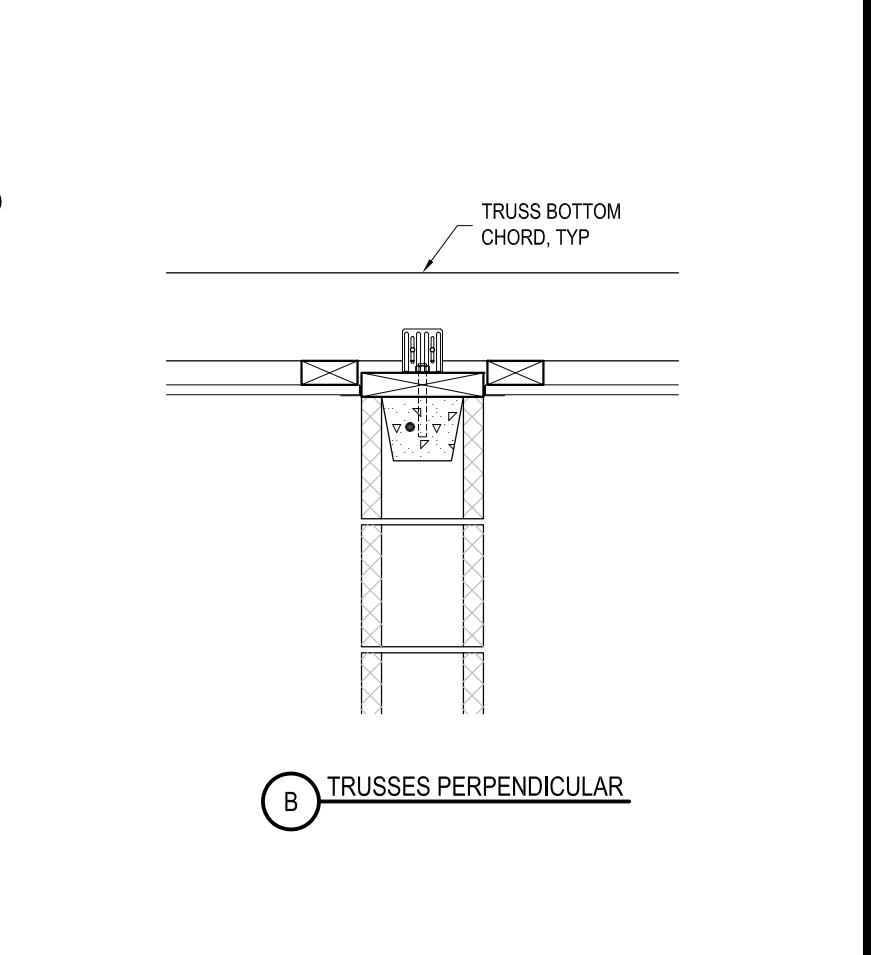
4	INTERIOR PARTITION TOP PINNING
	SCALE: 1\"/>



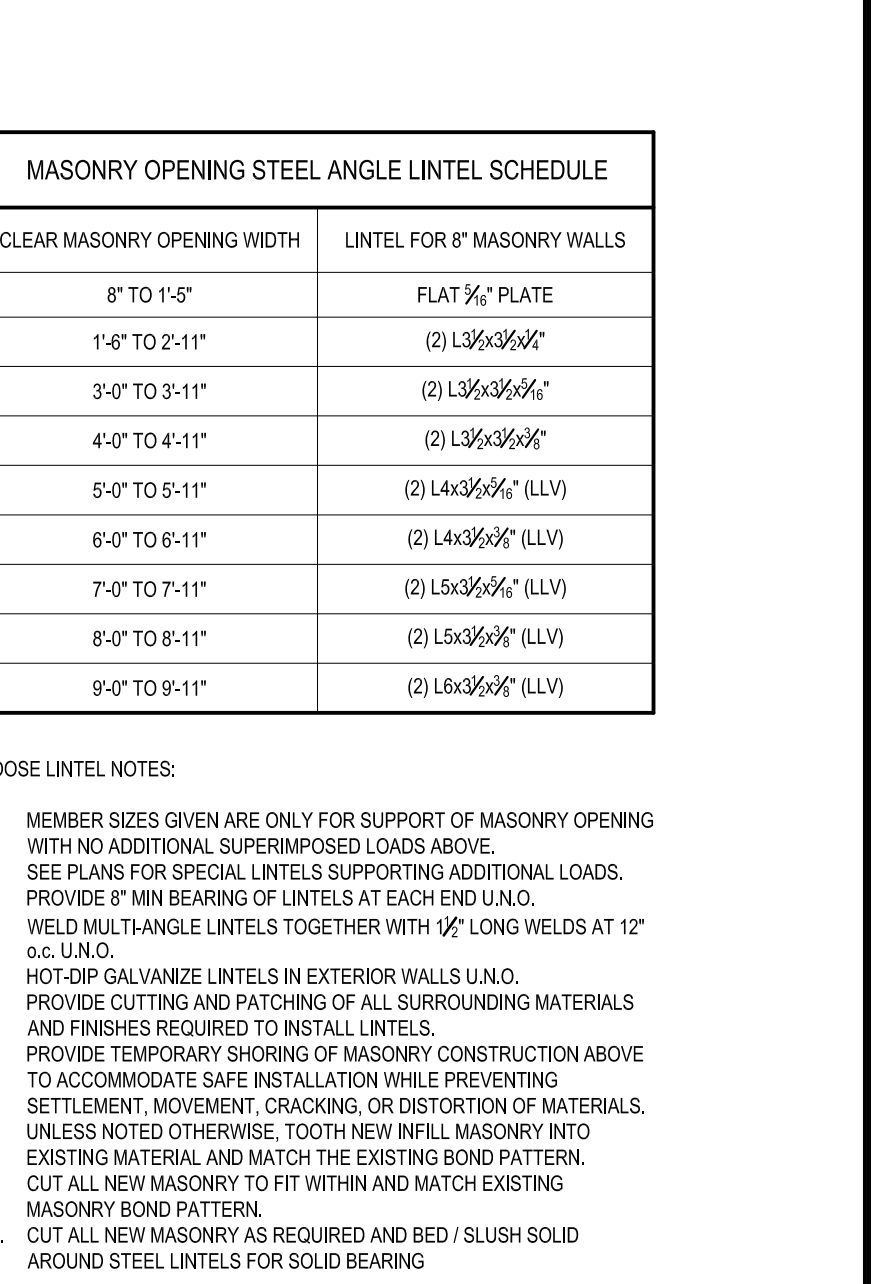
7	TRUSS UPLIFT CONNECTION
	SCALE: 1\"/>



7	TRUSS UPLIFT CONNECTION
	SCALE: 1\"/>



4	INTERIOR PARTITION TOP PINNING
	SCALE: 1\"/>



7	TRUSS UPLIFT CONNECTION
	SCALE: 1\"/>

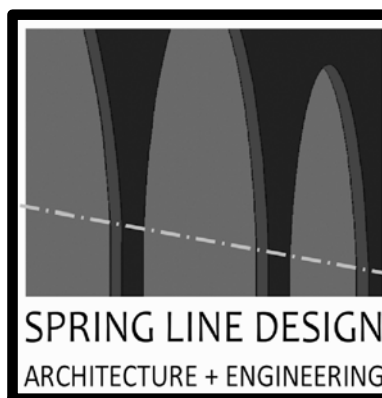
MASONRY OPENING STEEL ANGLE LINTEL SCHEDULE	
CLEAR MASONRY OPENING WIDTH	LINTEL FOR 8\"/>
8\"/>	FLAT 3/4\"/>
1'-6\"/>	(2) L3x6x3/4\"/>
3'-0\"/>	(2) L3x6x3/4\"/>
4'-0\"/>	(2) L3x6x3/4\"/>
5'-0\"/>	(2) L4x3x3/4\" (LLV)
6'-0\"/>	(2) L4x3x3/4\" (LLV)
7'-0\"/>	(2) L5x3x3/4\" (LLV)
8'-0\"/>	(2) L5x3x3/4\" (LLV)
9'-0\"/>	(2) L6x3x3/4\" (LLV)

LOOSE LINTEL NOTES:

1. MEMBER SIZES GIVEN ARE ONLY FOR SUPPORT OF MASONRY OPENING WITH NO ADDITIONAL SUPERIMPOSED LOADS ABOVE.
2. SEE PLANS FOR SPECIAL LINTELS SUPPORTING ADDITIONAL LOADS.
3. PROVIDE 8\"/>
4. WELD MULT-ANGLE LINTELS TOGETHER WITH 1/2\"/>
5. HOT-DIP GALVANIZE LINTELS IN EXTERIOR WALLS UNO.
6. PROVIDE CUTTING AND PATCHING OF ALL SURROUNDING MATERIALS AND FINISHES REQUIRED TO INSTALL LINTELS.
7. PROVIDE TEMPORARY SHORING OF MASONRY CONSTRUCTION ABOVE TO ACCOMMODATE SAFE INSTALLATION WHILE PREVENTING SETTLEMENT, MOVEMENT, CRACKING, OR DISTORTION OF MATERIALS.
8. UNLESS NOTED OTHERWISE, TOOTH NEW INFILL MASONRY INTO EXISTING MATERIAL AND MATCH THE EXISTING BOND PATTERN.
9. CUT ALL NEW MASONRY TO 1/2\"/>
10. CUT ALL NEW MASONRY AS REQUIRED AND BED / SLUSH SOLID AROUND STEEL LINTELS FOR SOLID BEARING



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CLIENT: TOWN OF GLENVILLE

TITLE: MAALWYCK PARK IMPROVEMENT PROJECT PHASE 2

LOCATION: 300 MAALWYCK PARK RD GLENVILLE, NY 12302

SHEET TITLE:

STRUCTURAL NOTES AND DETAILS

DESIGNED BY:	DATE:	SCALE:
JS	10/18/2019	AS NOTED
DRAWN BY:	CHECKED BY:	APPROVED:
JS	JAB	

REVISIONS:	
BID SET	10/18/2019

MHP PROJECT NUMBER: 1904290
SLD PROJECT NUMBER: 07419002
DRAWING NUMBER: S-501

EXHAUST FAN SCHEDULE										
TAG	SERVICE	TYPE	CFM	E.S.P. (IN. W.G.)	FAN MOTOR DATA				BASIS OF DESIGN	NOTES
					POWER	RPM	VOLT	PHASE		
EF-1	MEN'S ROOM	CEILING	250	0.25	67 W	1,000	120	1	GREENHECK SP-A250	1, 2
EF-2	WOMEN'S ROOM	CEILING	250	0.25	67 W	1,000	120	1	GREENHECK SP-A250	1, 2
NOTES: 1. PROVIDE INTEGRAL DISCONNECT SWITCH, POLYSTYRENE CEILING GRILLE, NEOPRENE VIBRATION ISOLATORS, AND 8"Ø ALUMINUM WALL CAP WITH BIRDSCREEN AND BACKDRAFT DAMPER. 2. FAN CONTROL SHALL BE TIED INTO LIGHTING CONTROLS, COORDINATE WITH EC.										

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR
BDD	BACK DRAFT DAMPER
CFM	CUBIC FEET PER MINUTE
DIA	DIAMETER (ALSO Ø)
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACT
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
MC	MECHANICAL CONTRACT
NTS	NOT TO SCALE
PH	PHASE (ALSO Ø)
RPM	REVOLUTIONS PER MINUTE
V	VOLTS
W	WATT

DUCTWORK SYMBOLS:

SINGLE LINE	DOUBLE LINE	DESCRIPTION
		NEW DUCT
		EXHAUST DUCT DN INTO THE PAGE
		EXHAUST DUCT UP OUT OF THE PAGE
		90° OR 45° LONG RADIUS ELBOW R = 1½ DUCT DIA. OR WIDTH (ROUND OR RECTANGULAR DUCT)
		WIDTH x DEPTH (FREE AREA)
		ROUND DUCT INSIDE DIAMETER

GENERAL NOTES

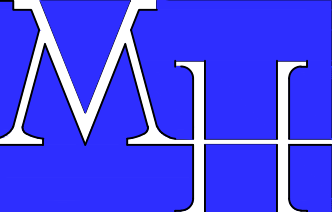
- SCOPE OF WORK SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, HOISTING AND RIGGING, ETC. TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND HEREIN SPECIFIED FOR A COMPLETE AND TOTAL INSTALLATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL, AND STATE CODES AND ORDINANCES.
- PROVIDE ALL HANGERS AND SUPPORTS AS REQUIRED TO SUPPORT ALL DUCT AND EQUIPMENT.
- THE MECHANICAL TRADE SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO STUDY ALL DRAWINGS AND DETAILS FOR ALL TRADES SO THAT THE INSTALLATION OF ALL WORK CAN BE FULLY COORDINATED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION, START-UP, AND PROPER OPERATION OF ALL EQUIPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROLS AND CONTROL WIRING.
- CONNECT WORK IN A NEAT AND APPROVED MANNER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND CONSTRUCTION. WHERE WORK BETWEEN THIS DRAWING AND ARCHITECTURAL PLANS ARE IN CONFLICT, ADVISE AND INFORM THE ARCHITECT PRIOR TO FABRICATION OF SHEET METAL.
- COORDINATE WORK WITH ALL OTHER TRADES.
- CONTRACTOR SHALL PROVIDE FINAL "AS-BUILT" DRAWINGS TO BUILDING OWNER AS PART OF THIS PROJECT.
- MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN ON THE DRAWINGS ARE FOR DESCRIPTIVE PURPOSES AND ARE INTENDED TO SHOW A LEVEL OF PERFORMANCE AS WELL AS QUALITY OF MATERIALS. SUBSTITUTIONS MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS NECESSARY TO COMPLETE THE MECHANICAL WORK.
- COORDINATE THE INSTALLATION OF POWERED EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- ALL DUCTWORK DIMENSIONS INDICATE FREE AREA.
- FIELD COORDINATE ALL DUCT RUNS BEFORE FABRICATION AND INSTALLATION. NO EXTRAS SHALL BE PERMITTED FOR REROUTING, REFABRICATION, RESTOCKING OR REMOVAL OF INSTALLED WORK DUE TO COORDINATION WITH BUILDING STRUCTURE. WORK OF OTHER TRADES OR BUILDING COMPONENTS. DRAWINGS ARE SCHEMATIC AND, DUCTWORK RUNS DO NOT SHOW ALL NECESSARY CHANGES IN ELEVATION OR OFFSETS REQUIRED FOR A COMPLETE INSTALLATION. PROVIDE ALL OFFSETS AS REQUIRED.

DUCTWORK

- ALL SUPPLY DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT VERSION OF THE NEW YORK STATE MECHANICAL CODE AND THE NEW YORK STATE ENERGY CONSERVATION CODE, AND THE MOST CURRENT VERSION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE".
1.A. ALL DUCTWORK SHALL BE CONSTRUCTED TO 1" W.G. NEGATIVE PRESSURE CLASS, UNLESS OTHERWISE NOTED.
- ALL DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS, UNLESS OTHERWISE NOTED.
- ALL DUCTWORK SHALL BE SEALED TO SEAL CLASS A.
- PROVIDE ALL RADIUS DUCT ELBOWS WITH CENTERLINE RADIUS EQUAL TO 1-1/2 TIMES THE RADIUS DEPTH. PROVIDE ALL SQUARE DUCT ELBOWS WITH TURNING VANES. (VOLUME DAMPERS REQUIRED AT ALL BRANCH CONNECTIONS.)
- ALL DUCTWORK TO BE RIGID SHEET METAL CONSTRUCTED FROM GALVANIZED SHEET STEEL IN ACCORDANCE WITH SMACNA LOW VELOCITY DUCT CONSTRUCTION STANDARDS.
- FURNISH ALL REQUIRED DAMPERS, TRANSITIONS, CONNECTIONS TO AIR TERMINALS, AND OTHER ACCESSORIES NECESSARY FOR A COMPLETE OPERATING SYSTEM. NO VARIATION OF DUCT CONFIGURATION OR SIZES WILL BE PERMITTED EXCEPT BY PERMISSION FROM THE ENGINEER.
- PROVIDE HOT-DIPPED GALVANIZED STEEL, FASTENERS, ANCHORS, RODS, STRAPS, TRIM, AND ANGLES FOR SUPPORT OF DUCTWORK.
- DUCTWORK ABOVE CEILINGS MUST BE RUN BETWEEN STRUCTURE. MINIMIZE ELEVATION CHANGES WHERE POSSIBLE.
- ALL SUPPLY AIR ROUND DUCT FITTINGS SHALL BE LONG RADIUS ELBOWS, Y-TEES, OR THEY SHALL BE MITERED WITH TURNING VANES.

APPLICABLE CODES:

- INTERNATIONAL BUILDING CODE 2015 AS REFERENCED IN THE 2017 UNIFORM CODE SUPPLEMENT
- INTERNATIONAL ENERGY CONSERVATION CODE 2015 IN CONJUNCTION WITH THE 2016 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CODE
- INTERNATIONAL MECHANICAL CODE 2015 AS REFERENCED IN THE 2017 UNIFORM CODE SUPPLEMENT



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CLIENT:

TOWN OF GLENVILLE

TITLE:

MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

VENTILATION PLAN

DESIGNED BY:

RS

DATE:

10/18/2019

SCALE:

AS NOTED

DRAWN BY:

RS

CHECK BY:

MH

APPROVED:

MH

REVISIONS:

BID SET 10/18/2019

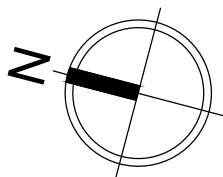
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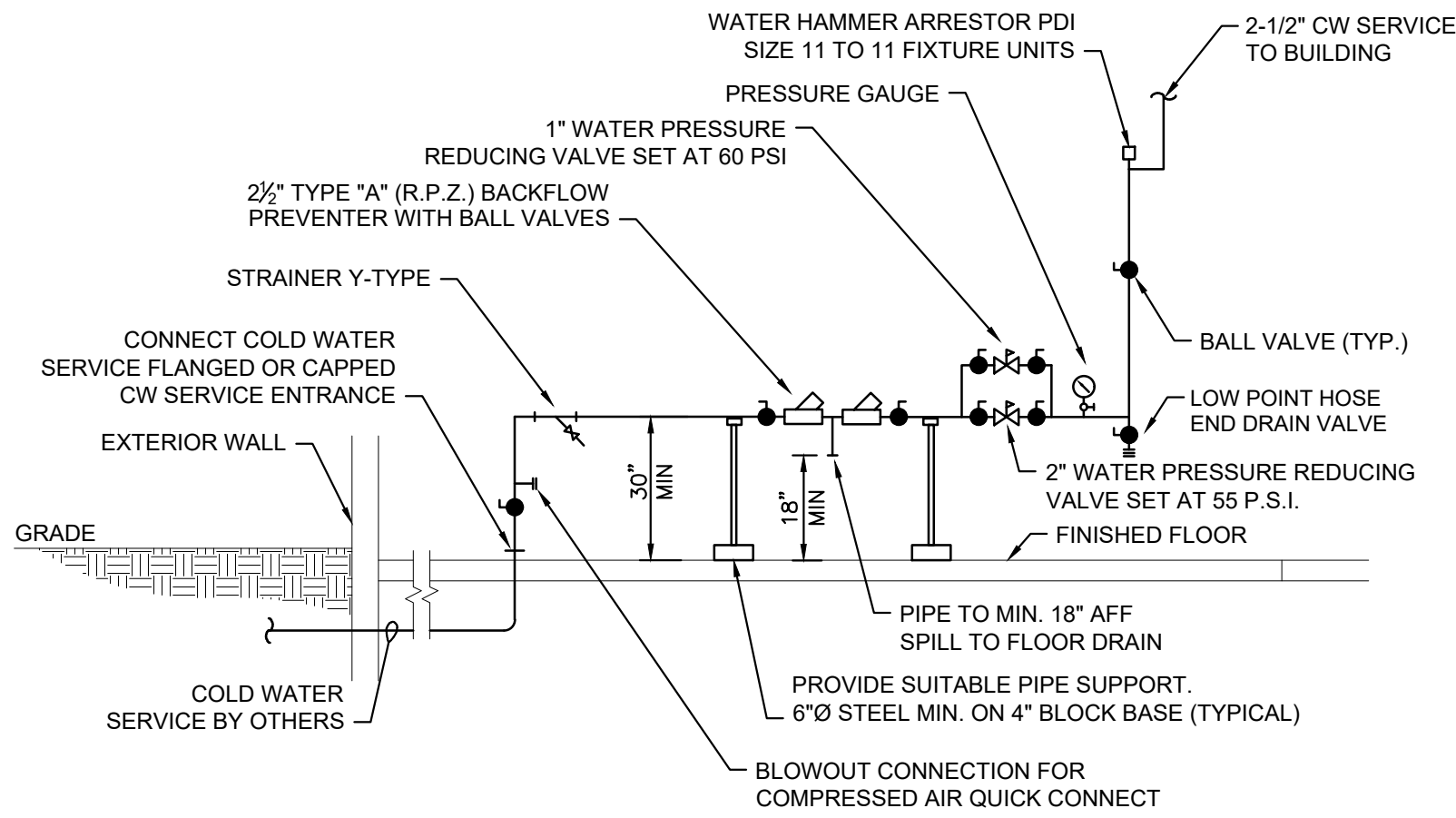
1904290

DRAWING NUMBER:

H-101

1 Ventilation Plan
H-101 SCALE: 1/4"=1'-0"





1 Cold Water Service Detail
P-001 SCALE: NTS

ABBREVIATIONS:

ADA	AMERICANS WITH DISABILITIES ACT	L	LAVATORY SINK
BFP	BACKFLOW PREVENTER	MAX	MAXIMUM
CO	CLEANOUT	MCA	MINIMUM CIRCUIT AMPERAGE
CODP	CLEANOUT DECK PLATE	MIN	MINIMUM
CW	COLD WATER	MOC	MAXIMUM OVER-CURRENT PROTECTION
DEG	DEGREE (ALSO °)	NFWH	NON-FREEZE WALL HYDRANT
DF	DRINKING FOUNTAIN	NTS	NOT TO SCALE
DIA	DIAMETER (ALSO Ø)	PC	PLUMBING CONTRACTOR
DN	DOWN	PD	PRESSURE DROP
EC	ELECTRICAL CONTRACT	PDI	PLUMBING AND DRAINAGE INSTITUTE
F	FAHRENHEIT	PH	PHASE (ALSO Ø)
FD	FLOOR DRAIN	PRV	PRESSURE REDUCING VALVE
FFE	FINISHED FLOOR ELEVATION	PSI	POUNDS PER SQUARE INCH
FLA	FULL LOAD AMPS	RPZA	REDUCED PRESSURE ZONE ASSEMBLY
FT	FEET	S	SINK
G	FUEL GAS	SS	SERVICE SINK
GAL	GALLONS	TD	TRENCH DRAIN
GC	GENERAL CONTRACT	TMV	THERMOSTATIC MIXING VALVE
GPF	GALLONS PER FLUSH	TYP	TYPICAL
GPM	GALLONS PER MINUTE	U	URINAL
HW	HOT WATER	V	VENT OR VOLTS
HZ	HERTZ	VTR	VENT THROUGH ROOF
IE	INVERT ELEVATION	W	WASTE
IN	INCHES	WC	WATER CLOSET
KW	KILOWATT	WCO	WALL CLEANOUT
		WG	WATER GAUGE
		WH	WATER HEATER
		WHA	WATER HAMMER ARRESTOR

PIPING SYMBOLS:

	SANITARY DRAINAGE - ABOVE GRADE
	SANITARY DRAINAGE - BELOW GRADE
	VENT PIPING
	COLD WATER
	HOT WATER
	PIPE ELBOW UP/TOP CONNECTION
	PIPE ELBOW DOWN
	PIPE BOTTOM CONNECTION
	P-TRAP
	PIPE TEE
	BALL VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE (ARROW INDICATES DIRECTION OF FLOW)
	STRAINER
	PRESSURE GAUGE
	CLEANOUT DECK PLATE
	CLEAN OUT
	FLOOR DRAIN
	HOSE BIBB OR WALL HYDRANT

GENERAL NOTES:

- SCOPE OF WORK SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, HOISTING AND RIGGING, ETC. TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND HEREIN SPECIFIED FOR A COMPLETE AND TOTAL INSTALLATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL, AND STATE CODES AND ORDINANCES.
- PROVIDE ALL HANGERS AND SUPPORTS AS REQUIRED TO SUPPORT ALL PIPE AND EQUIPMENT.
- THE PLUMBING TRADE SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO STUDY ALL DRAWINGS AND DETAILS FOR ALL TRADES SO THAT THE INSTALLATION OF ALL WORK CAN BE FULLY COORDINATED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION, START-UP, AND PROPER OPERATION OF ALL EQUIPMENT.
- CONNECT WORK IN A NEAT AND APPROVED MANNER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND CONSTRUCTION. WHERE WORK BETWEEN THIS DRAWING AND ARCHITECTURAL PLANS ARE IN CONFLICT, ADVISE AND INFORM THE ARCHITECT PRIOR TO FABRICATION OF SHEET METAL.
- COORDINATE WORK WITH ALL OTHER TRADES.
- CONTRACTOR SHALL PROVIDE FINAL "AS-BUILT" DRAWINGS TO BUILDING OWNER AS PART OF THIS PROJECT.
- MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN ON THE DRAWINGS ARE FOR DESCRIPTIVE PURPOSES AND ARE INTENDED TO SHOW A LEVEL OF PERFORMANCE AS WELL AS QUALITY OF MATERIALS. SUBSTITUTIONS MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS NECESSARY TO COMPLETE THE MECHANICAL WORK.
- ALL COMPONENTS LOCATED ABOVE CEILINGS OR BEHIND ACCESS DOORS WHICH REQUIRE ACCESS SHALL BE LOCATED WITHIN 24" OF THE FINISHED SURFACE.
- FIELD COORDINATE ALL PIPE RUNS BEFORE FABRICATION AND INSTALLATION. NO EXTRAS SHALL BE PERMITTED FOR REROUTING, REFABRICATION, RESTOCKING OR REMOVAL OF INSTALLED WORK DUE TO COORDINATION WITH BUILDING STRUCTURE, WORK OF OTHER TRADES OR EXISTING BUILDING COMPONENTS. DRAWINGS ARE SCHEMATIC AND, PIPING RUNS DO NOT SHOW ALL NECESSARY CHANGES IN ELEVATION OR OFFSETS REQUIRED FOR A COMPLETE INSTALLATION. PROVIDE ALL PIPE OFFSETS AS REQUIRED FOR THE INSTALLATION OF THE PIPING SHOWN ON PLANS.
- DOMESTIC WATER SYSTEM MUST BE COMPLETELY DRAINED IN THE WINTER TO PREVENT DAMAGE FROM FREEZING. SLOPE ALL PIPING TOWARDS LOW POINT DRAINS AND WALL HYDRANTS.

BACKFLOW PREVENTER INSTALLATION NOTES

- ALL ASSEMBLIES SHALL BE INSTALLED WITH A CENTERLINE HEIGHT FROM 30 INCHES TO 60 INCHES ABOVE THE FLOOR. ANY INSTALLATION AT A GREATER HEIGHT SHALL BE PROVIDED WITH A FIXED PLATFORM, A PORTABLE SCAFFOLD OR A LIFT MEETING OSHA STANDARDS.
- ALL RPZ DEVICES MUST HAVE AN 18 INCH MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE RELIEF VALVE AND THE FLOOR TO PREVENT SUBMERSION AND PROVIDE ACCESS FOR SERVICING AND RELIEF VALVE.
- A MINIMUM OF 12 INCHES OF CLEAR SPACE SHALL BE MAINTAINED ABOVE THE ASSEMBLY TO ALLOW FOR SERVICING CHECK VALVES AND FOR OPERATION OF SHUT-OFF VALVES.
- A MINIMUM OF 30 INCHES OF CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION.
- AT LEAST 8 INCHES CLEARANCE SHOULD BE MAINTAINED FROM THE BACK SIDE OF THE DEVICE TO THE NEAREST WALL OR OBSTRUCTION. THIS CLEARANCE MAY NEED TO BE INCREASED FOR MODELS THAT HAVE SIDE MOUNTED TEST COCKS OR RELIEF VALVES THAT WOULD BE FACING THE BACK WALL.

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	GPM	GPF	COLD WATER	HOT WATER	TEMPERED WATER	WASTE	BASIS OF DESIGN	ACCESSORIES	NOTES
WC-1	WATER CLOSET	-	1.28	1"	-	-	4"	AMERICAN STANDARD 2855.128	MANUAL FLUSH VALVE: AMERICAN STANDARD 6047.121 HEAVY DUTY SEAT: AMERICAN STANDARD 5901.100	3
WC-2	ADA WATER CLOSET	-	1.28	1"	-	-	4"	AMERICAN STANDARD 2854.128	MANUAL FLUSH VALVE: AMERICAN STANDARD 6047.121 HEAVY DUTY SEAT: AMERICAN STANDARD 5901.100	1, 2, 3
U-1	URINAL	-	0.125	3/4"	-	-	2"	AMERICAN STANDARD 6590.503	MANUAL FLUSH VALVE: AMERICAN STANDARD 6045.013	3
U-2	ADA URINAL	-	0.125	3/4"	-	-	2"	AMERICAN STANDARD 6590.503	MANUAL FLUSH VALVE: AMERICAN STANDARD 6045.013	1, 3
L-1	ADA LAVATORY SINK	0.5	-	-	-	1/2"	1 1/2"	AMERICAN STANDARD 0475.047	METERED FAUCET: AMERICAN STANDARD 1340M.107 MECHANICAL MIXING VALVE: AMERICAN STANDARD 021943-0070A DRAIN: AMERICAN STANDARD 2411.015	1, 3
HS-1	HANDWASH SINK	1.5	-	1/2"	1/2"	-	1 1/2"	ELKAY LR1919PD	FAUCET: ELKAY LK800GN04T4 DRAIN: ELKAY LKPDVR18B	-
DF-1	ADA OUTDOOR WATER COOLER AND BOTTLE FILLER	8.0 GPH	-	1/2"	-	-	1 1/2"	ELKAY VRCTLRDDWSK	-	1, 3
SS-1	WALL MOUNT SERVICE SINK	2.5	-	1/2"	1/2"	-	3"	AMERICAN STANDARD 7695.000	FAUCET: AMERICAN STANDARD 8344.012	-
FD	GENERAL FLOOR DRAIN	-	-	-	-	-	4"	WATTS FD-100A	-	3
NFWH	NON-FREEZE WALL HYDRANT	-	-	3/4"	-	-	-	WATTS HY-725	-	3

NOTES:

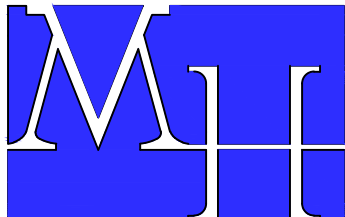
- INSTALL IN ACCORDANCE WITH 2010 ADA REQUIREMENTS. COORDINATE FIXTURE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.
- FLUSH VALVE ORIENTATION SHALL BE ON SIDE WITH ADA ACCESS.
- VANDAL RESISTANT.

ELECTRIC DOMESTIC WATER HEATER SCHEDULE

TAG	TYPE	MINIMUM FLOWRATE (GPM)	RECOVERY RATING AT 50° F TEMP RISE (GPM)	SUPPLY TEMPERATURE (°F)	ELECTRICAL			BASIS OF DESIGN
					KW	A/PHASE	V/PH	
WH-1	INSTANTANEOUS	0.3	1.0	105	8.3	40A	208/1	EEMAX EX8208T ML
WH-2	INSTANTANEOUS	0.7	1.0	105	8.3	40A	208/1	EEMAX EX8208T S
WH-3	INSTANTANEOUS	0.7	2.5	105	20	24A	480/3	EEMAX ED020480T2T S

APPLICABLE CODES:

- INTERNATIONAL BUILDING CODE 2015 AS REFERENCED IN THE 2017 UNIFORM CODE SUPPLEMENT
- INTERNATIONAL ENERGY CONSERVATION CODE 2015 IN CONJUNCTION WITH THE 2016 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CODE
- INTERNATIONAL PLUMBING CODE 2015 AS REFERENCED IN THE 2017 UNIFORM CODE SUPPLEMENT
- ADA: ICC/ANSI A117.1 (STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES), AS REFERENCED IN THE CODES ABOVE.



MH PROFESSIONAL ENGINEERING, PLLC
5 Corporate Drive, Clifton Park, NY 12065
Tel: (518) 280-6522 Fax: (518) 280-6526

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CLIENT:

TOWN OF GLENVILLE

TITLE:

MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

PLUMBING
NOTES, LEGEND,
& DETAILS

DESIGNED BY:

RS

DATE:

10/18/2019

SCALE:

AS NOTED

DRAWN BY:

RS

CHECK BY:

MH

APPROVED:

MH

REVISIONS:

BID SET

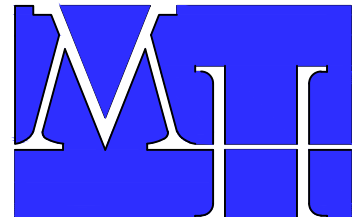
10/18/2019

PROJECT NUMBER:

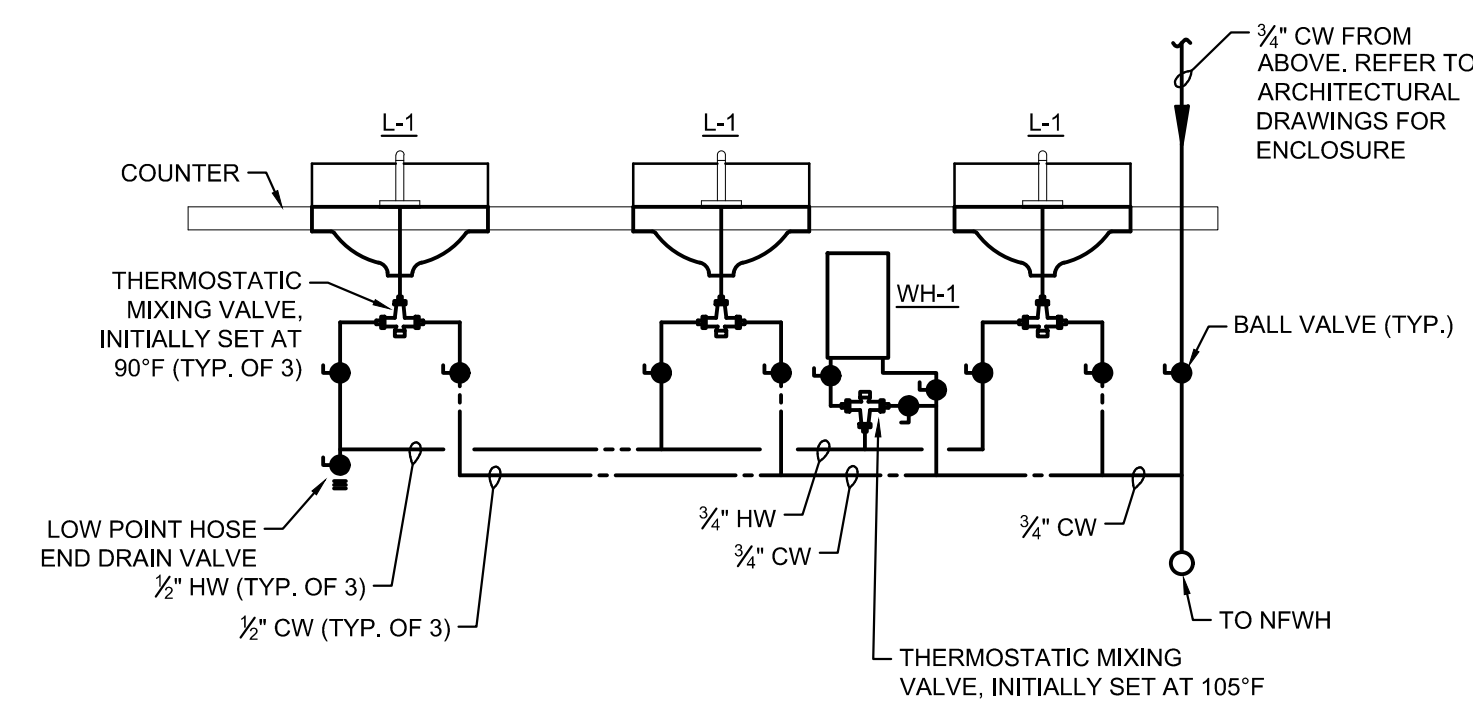
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DRAWING NUMBER:

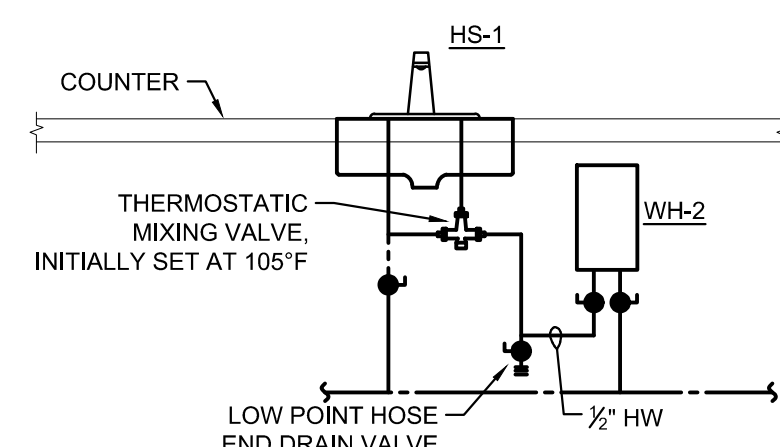
P-001



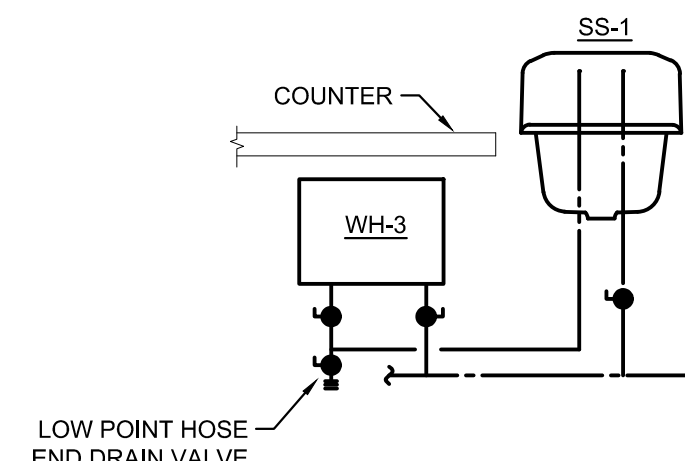
MH PROFESSIONAL ENGINEERING, PLLC
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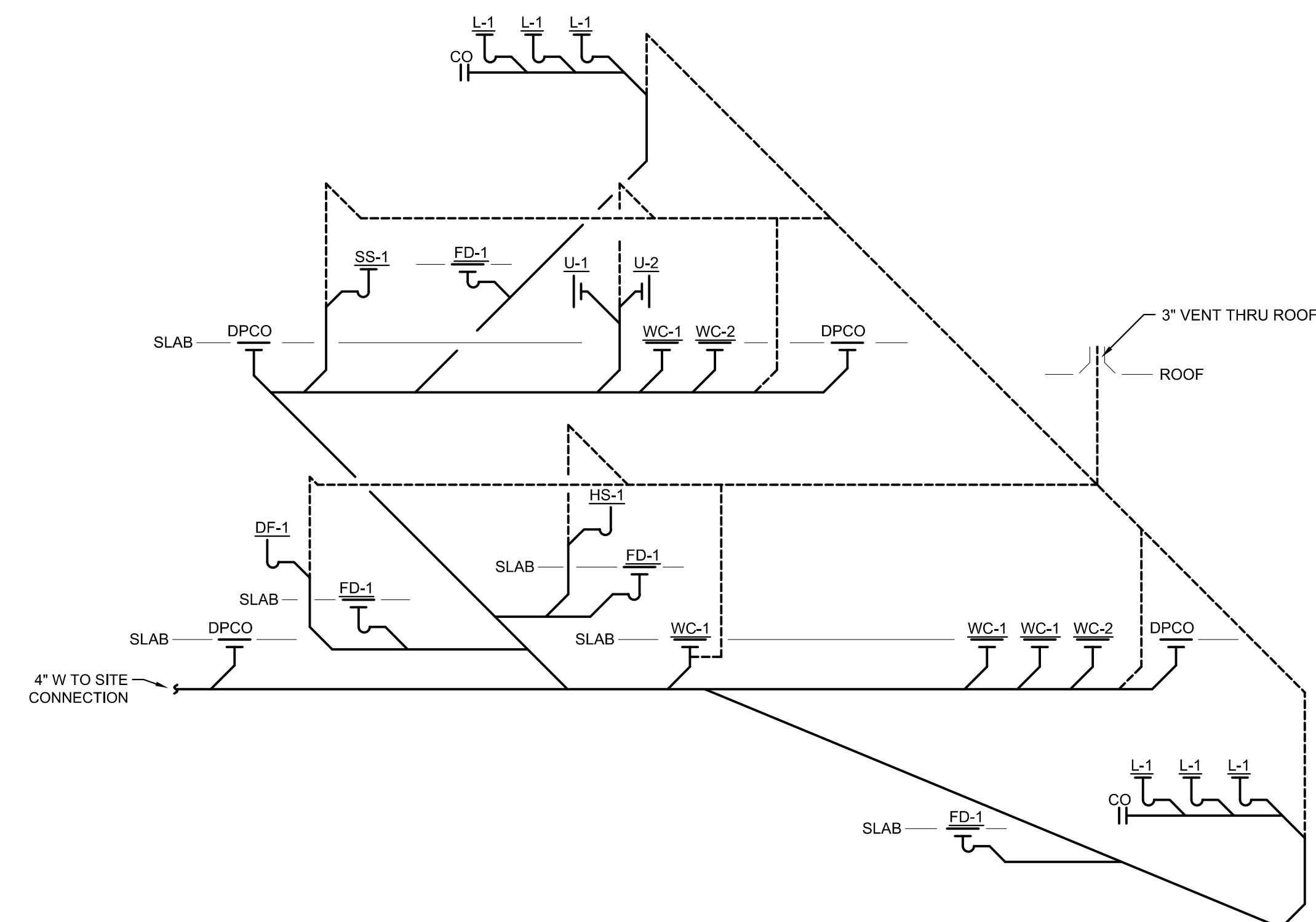
3 WH-1 Piping Schematic
P-101 SCALE: NTS



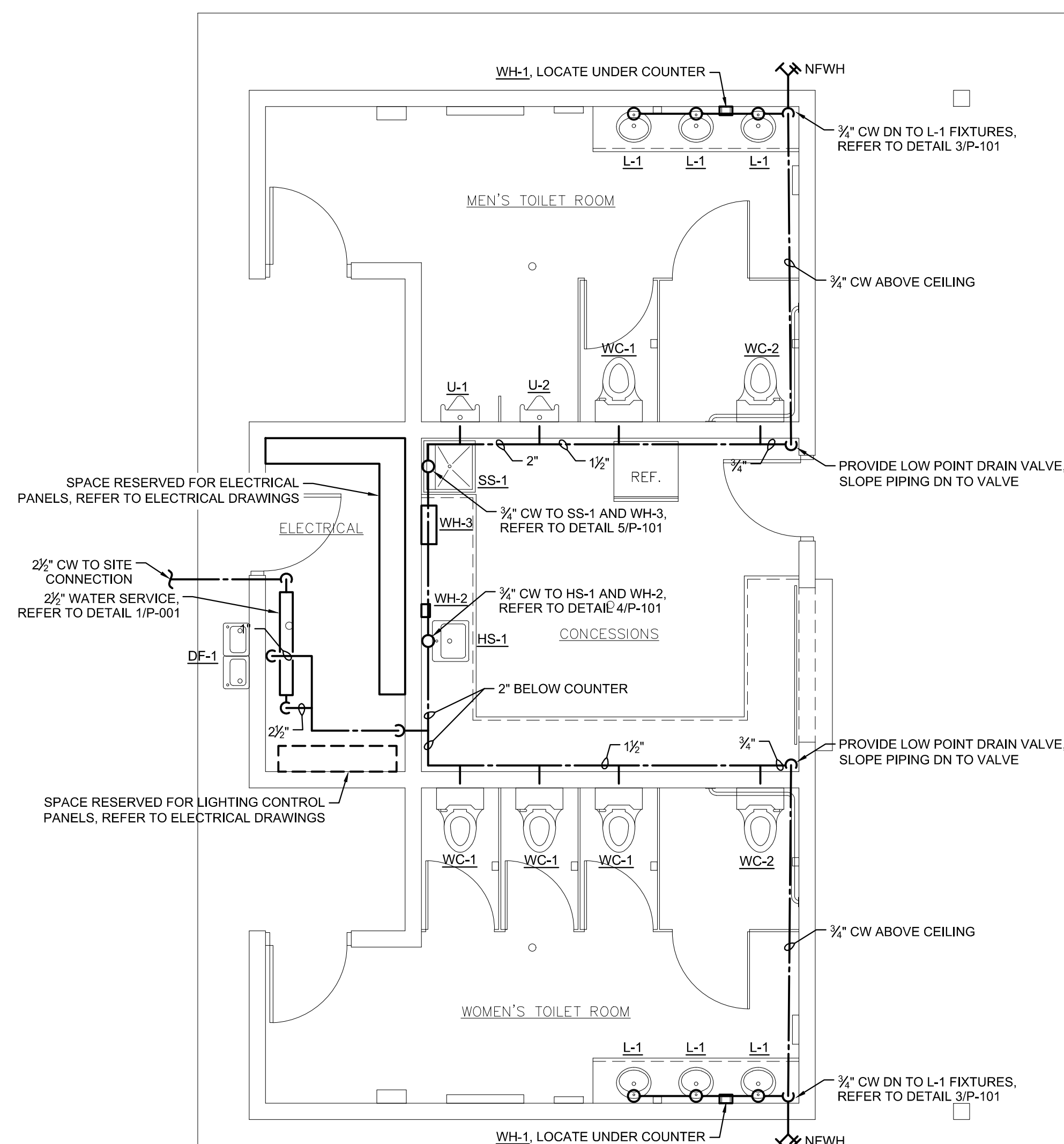
4 WH-2 Piping Schematic
P-101 SCALE: NTS



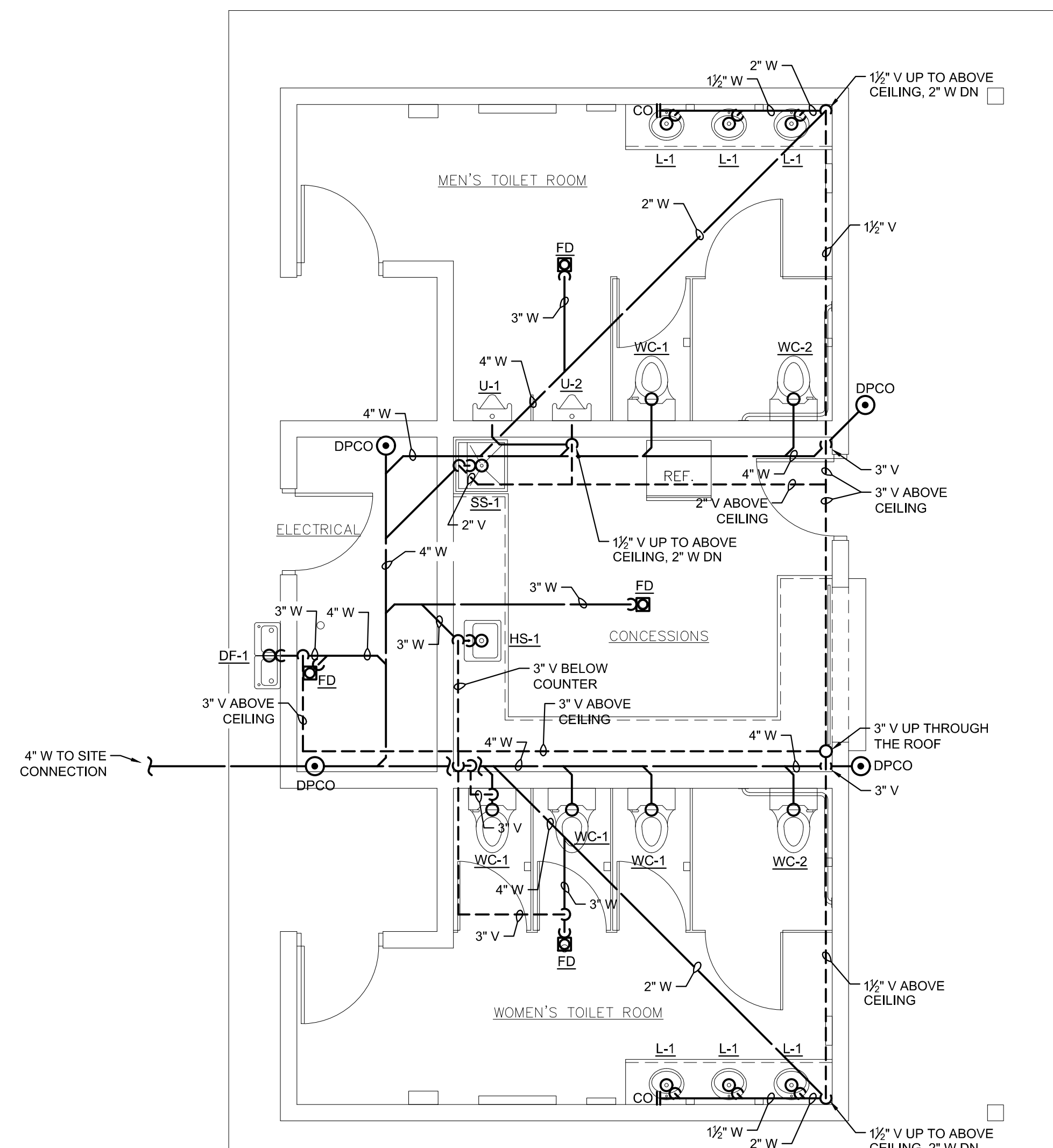
5 WH-3 Piping Schematic
P-101 SCALE: NTS



6 Drain and Vent Piping Schematic
P-101 SCALE: NTS



1 Domestic Water Plan
P-101 SCALE: 1/4"=1'-0"



2 Drain and Vent Plan
P-101 SCALE: 1/4"=1'-0"

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CLIENT: TOWN OF GLENVILLE		
TITLE: MAALWYCK PARK IMPROVEMENT PROJECT PHASE 2		
LOCATION: 300 MAALWYCK PARK RD GLENVILLE, NY 12302		
SHEET TITLE: PLUMBING PLAN		
DESIGNED BY: RS	DATE: 10/18/2019	SCALE: AS NOTED
DRAWN BY: RS	CHECK BY: MH	APPROVED: MH
REVISIONS:		
BID SET 10/18/2019		
PROJECT NUMBER: 1904290		DRAWING NUMBER: P-101




DEVICES

NOTE: ALL RECEPTACES AND SWITCHES SHALL BE BY A SINGLE MANUFACTURER.

RECEPTACES

-  DUPLEX RECEPTACLE, 20A, 120V
- "G" INDICATES GROUND FAULT INTERRUPTER
- "GFI" INDICATES GROUND FAULT PROTECTED
- "TR" INDICATES TAMPER-RESISTANT TYPE
- DOT INDICATES 6" ABOVE BACKSPLASH OF COUNTER/OR SINK (VERTICALLY) (OR 6" ABOVE COUNTER/OR SINK WHEN NO BACKSPLASH EXISTS)
 SPECIAL PURPOSE RECEPTACLE
- NEMA CONFIGURATION INDICATED



SWITCHES

-  SINGLE POLE SINGLE THROW (SPST) SWITCH, 20A, 120/277V
- LOWER CASE LETTER(S) INDICATE LAMP CONTROL
 SPST SWITCH WITH WEATHER-PROOF COVER, 20A, 120/277V
TYPE 2
 CEILING MOUNTED OCCUPANCY SENSOR
- ARROW(S) INDICATE PRIMARY VIEW OF SENSOR
- TYPE 1, UNLESS OTHERWISE SPECIFICALLY NOTED
- LOWER CASE LETTER(S) INDICATE LAMP CONTROL








LIGHTING

FIXTURES

NOTE: REFER TO LIGHT FIXTURE SCHEDULE FOR FIXTURE DESIGNATIONS, DESCRIPTIONS AND MANUFACTURERS


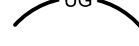
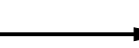
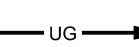
-  1' X 4' SURFACE OR RECESSED FIXTURE
- SHADING INDICATES EMERGENCY CIRCUIT TO FEED FIXTURE
 1' WALL MOUNTED FIXTURE

SWITCHGEAR & MISC.

-  BRANCH CIRCUIT PANELBOARD - SURFACE MOUNTED
 TRANSFORMER
 JUNCTION BOX
- WALL OR CEILING MOUNTED, AS INDICATED
SIZE JUNCTION BOX PER NEC ARTICLE 314 AND NUMBER OF CONDUITS.
DE-RATE THE CONDUCTORS AS REQUIRED BY THE NEC ARTICLE 310.
 HAND DRYER
 MOTOR OR HVAC UNIT
 HANDHOLE
 FUTURE CEILING MOUNTED "DOME-TYPE" CLOSED CIRCUIT TELEVISION
- FIELD VERIFY EXACT LOCATION WITH OWNER, PRIOR TO ROUGH-IN
- OUTLET BOX TO BE ADJACENT TO CAMERA WALL BRACKET
- PROVIDE 2-GANG BOX WITH DIVIDER
- PROVIDE 3/4" C. W/PULL STRING TO ABOVE ACCESSIBLE CEILING FOR FUTURE DUPLEX RECEPTACLE IN 1ST GANG
- PROVIDE 3/4" C. W/PULL STRING TO ABOVE ACCESSIBLE CEILING FOR FUTURE CABLING IN 2ND GANG
- PROVIDE DOUBLE DUPLEX COVERPLATE

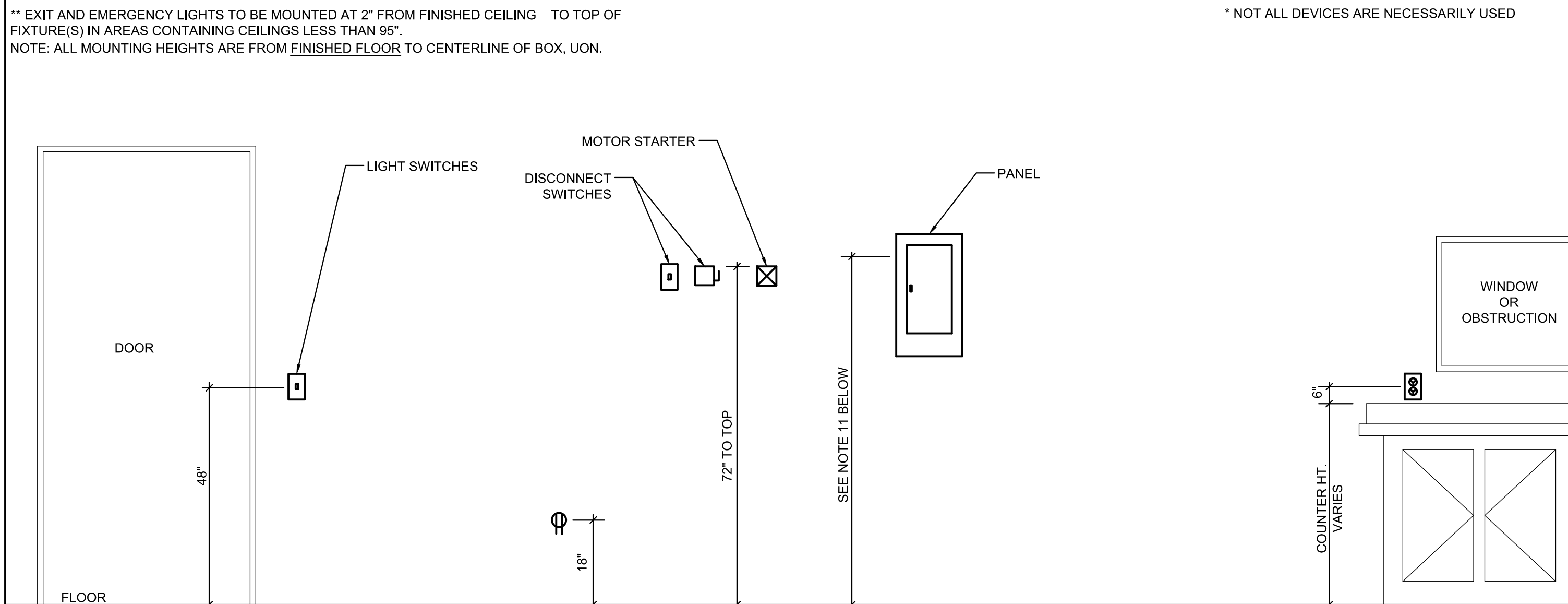
CONDUIT OR CABLE

NOTE: LINES MAY BE CURVED OR STRAIGHT

-  NORMAL POWER CIRCUIT OR FEEDER
 UNDERGROUND POWER CIRCUIT OR FEEDER
 NORMAL POWER HOMERUN TO PANEL
 UNDERGROUND ELECTRIC POWER HOMERUN TO PANEL

CEILING

NOTE: ALL MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF BOX, UON.



MOUNTING HEIGHT NOTES:

- THE ABOVE MOUNTING HEIGHTS SHALL APPLY TO ALL DEVICES UNLESS NOTED OTHERWISE ON THE PLANS. ALL NOTED DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE FROM THE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
- ELECTRICAL ROUGH-IN SPACES SHALL CONFORM TO THE FOLLOWING GUIDELINES.
- WHERE SPECIAL CONDITIONS PREVENT THE INSTALLATION OF DEVICES AT THE ABOVE HEIGHTS, THE EC SHALL VERIFY HEIGHTS ON SITE WITH THE ENGINEER.
- EC SHALL VERIFY FINAL COUNTER, CABINET HEIGHTS INCLUDING BACKSPLASH, ON SITE WITH THE GC PRIOR TO INSTALLATION OF BOXES.
- WHERE SWITCHES, RECEPTACLES, ETC. ARE INDICATED ON WALLS IN PROXIMITY TO ONE ANOTHER, ALIGN THEM VERTICALLY UNLESS OTHERWISE NOTED.
- WHERE SWITCHES, RECEPTACLES, ETC. ARE LOCATED ADJACENT TO DOOR FRAMES, LOCATE THE NEAR FACE OF THE DEVICE BOX 6" FROM THE FINISH CASING OF THE DOOR FRAME.
- WHERE RECEPTACLE ARE SHOWN ADJACENT TO ROOM CORNERS, LOCATE AT APPROPRIATE HEIGHT, 2' - 0" FROM CORNER.
- WHERE RECEPTACLES ARE SHOWN NEAR WALL CENTER, LOCATE AT APPROPRIATE HEIGHT, AT CENTER OF WALL.
- ALL ELECTRICAL ROUGH-IN LOCATIONS SHALL BE REVIEWED IN THE FIELD BY THE ENGINEER PRIOR TO WIRING INSTALLATION.
- INSTALL PANELBOARDS SUCH THAT HIGHEST CIRCUIT BREAKER IS NO HIGHER THAT 6' - 0" AFF. TOP OF ADJACENT PANELS TO BE AT SAME HEIGHT AFF.

1
E-001
Typical Device Mounting Heights Elevation
SCALE: NTS

ABBREVIATIONS

Ø	PHASE	HP	HORSEPOWER
A	AMPS	KVA	KILOVOLT AMPS
AFF	ABOVE FINISHED FLOOR	L, LTG	LIGHTING
AFG	ABOVE FINISHED GRADE	LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
BFC	BELOW FINISHED CEILING	MC	MECHANICAL CONTRACTOR
C	CONDUIT	NO, #	NUMBER
CKT	CIRCUIT	PC	PLUMBING CONTRACTOR
CLG	CEILING	R, RCPT	RECEPTACLE
DTB	DATA TERMINAL BOARD	RGS	RIGID GALVANIZED STEEL
DWG	DRAWING	SPD	SURGE PROTECTION DEVICE
EC	ELECTRICAL CONTRACTOR	TBB	TELEPHONE BACKBOARD
EMT	ELECTRICAL METAL TUBING	TYP	TYPICAL
EX'G	EXISTING	UC	UNDER COUNTER
FACP	FIRE ALARM CONTROL PANEL	UON	UNLESS OTHERWISE NOTED
GC	GENERAL CONTRACTOR	V	VOLT(S)
GFI	GROUND FAULT INTERRUPTER	WP	WEATHER PROOF
GND	GROUND	X	EXISTING TO REMAIN
		XR	EXISTING TO BE RELOCATED

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TITLE:

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IMPROVEMENT PROJECT
PHASE 2

LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

ELECTRICAL
NOTES, LEGEND,
& DETAILS

DESIGNED BY:

AH

DATE:

10/18/2019

SCALE:

AS NOTED

DRAWN BY:

JM

CHECK BY:

MH

APPROVED:

MH

REVISIONS:

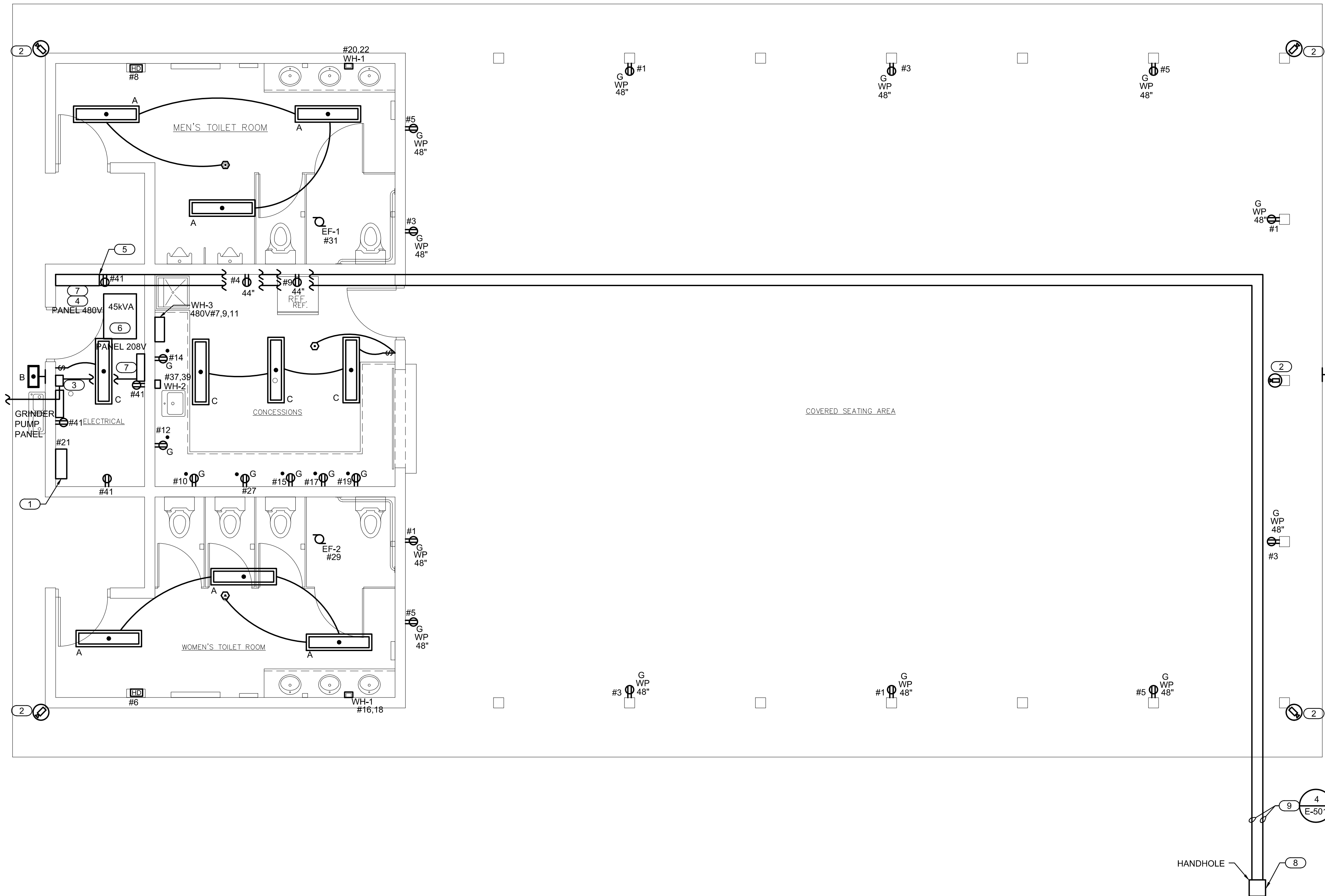
BID SET 10/18/2019

PROJECT NUMBER:

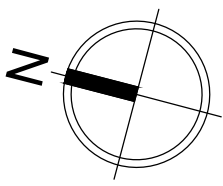
1904290

DRAWING NUMBER:

E-001



1 Electrical Plan
E-101 SCALE: 1/4"=1'-0"



GENERAL NOTES:

- A. ALL CIRCUITING TO 208V PANEL, UON.
- B. ALL RECEPTACLES ARE TO BE SURFACE MOUNTED AND FED FROM ABOVE UON.
- C. ALL HAND DRYERS SHALL BE SURFACE MOUNTED AND FED FROM ABOVE.
- D. ALL PAVILION LIGHTS SHALL BE CIRCUITED TO 208V #7.

KEYED NOTES:

- 1. SPACE FOR FUTURE CAMERA HEAD-END
- 2. FUTURE CAMERA BY OWNER. PROPOSED CABLE ROUTING ABOVE PAVILION CEILING INTO ELECTRICAL CLOSET.
- 3. PROVIDE A BUCK BOOST TRANSFORMER FOR GRINDER PUMPS. DESIGN MAKE: GE 9T51B0129. PROVIDE (2)#10, (1)#10G. IN 3/4"C. FROM CIRCUIT BREAKER TO BUCK BOOST TRANSFORMER.
- 4. REFER TO SERVICE ENTRANCE GROUNDING DETAIL #3/E-502.
- 5. REFER TO STUB-UP DETAIL #1/E-501.
- 6. REFER TO LIFTED TRANSFORMER DETAIL #5/E-502 AND GROUNDING DETAIL #2/E-502.
- 7. REFER TO PANELBOARD IDENTIFICATION DETAIL #6/E-502.
- 8. REFER TO HANDHOLE DETAIL #2/E-501.
- 9. PROVIDE (2) 4" CONDUITS WITH PULL ROPE FOR FUTURE PARKING LOT LIGHTING AND CHARGING STATIONS.

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CLIENT: TOWN OF GLENVILLE

TITLE: MAALWYCK PARK IMPROVEMENT PROJECT PHASE 2

LOCATION: 300 MAALWYCK PARK RD GLENVILLE, NY 12302

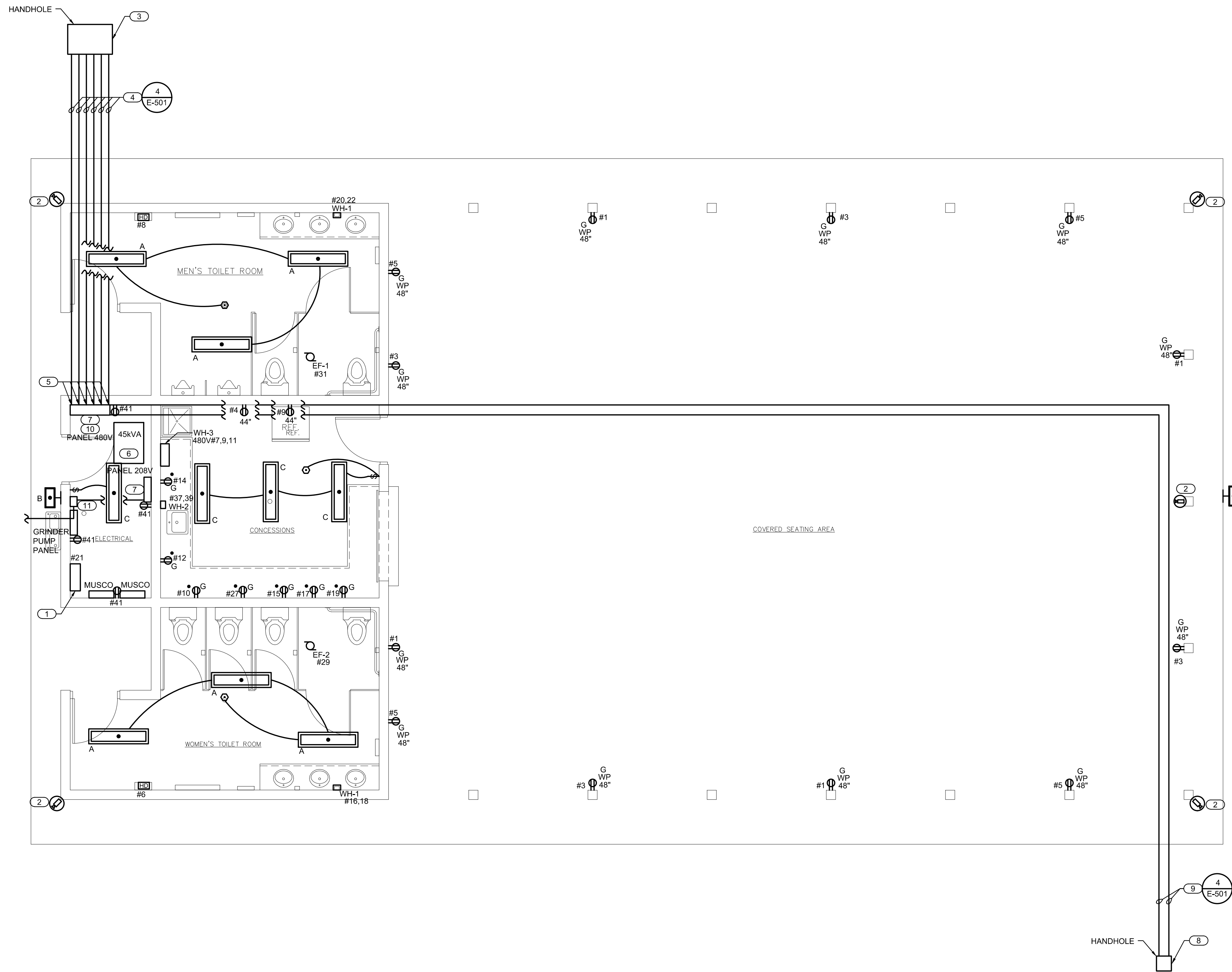
SHEET TITLE: ELECTRICAL PLAN

DESIGNED BY: AH	DATE: 10/18/2019	SCALE: AS NOTED
DRAWN BY: JM	CHECK BY: MH	APPROVED: MH

REVISIONS:

BID SET	10/18/2019
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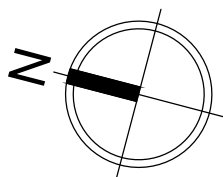
PROJECT NUMBER: 1904290	DRAWING NUMBER: E-101
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1
E-102

Electrical Plan (Alt #1)

SCALE: 1/4"=1'-0"

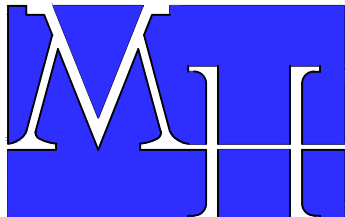


GENERAL NOTES:

- A. ALL CIRCUITING TO 208V PANEL, UON.
- B. ALL RECEPTACLES ARE TO BE SURFACE MOUNTED AND FED FROM ABOVE UON.
- C. ALL HAND DRYERS SHALL BE SURFACE MOUNTED AND FED FROM ABOVE.
- D. ALL PAVILION LIGHTS SHALL BE CIRCUITED TO 208V #7.

KEYED NOTES:

- 1. SPACE FOR FUTURE CAMERA HEAD-END
- 2. FUTURE CAMERA BY OWNER. PROPOSED CABLE ROUTING ABOVE PAVILION CEILING INTO ELECTRICAL CLOSET.
- 3. REFER TO HANDHOLE DETAIL #3/E-501.
- 4. PROVIDE (6) 4" CONDUITS WITH PULL ROPE FOR FUTURE FIELD LIGHTING.
- 5. REFER TO STUB-UP DETAIL #1/E-501.
- 6. REFER TO LIFTED TRANSFORMER DETAIL #5/E-502 AND GROUNDING DETAIL #2/E-502.
- 7. REFER TO PANELBOARD IDENTIFICATION DETAIL #6/E-502.
- 8. REFER TO HANDHOLE DETAIL #2/E-501.
- 9. PROVIDE (2) 4" CONDUITS WITH PULL ROPE FOR FUTURE PARKING LOT LIGHTING AND CHARGING STATION.
- 10. REFER TO SERVICE ENTRANCE GROUNDING DETAIL #3/E-502.
- 11. PROVIDE A BUCK BOOST TRANSFORMER FOR GRINDER PUMPS. DESIGN MAKE: GE 9T51B0129. PROVIDE (2)#10, (1)#10G. IN 3/4"C. FROM CIRCUIT BREAKER TO BUCK BOOST TRANSFORMER.



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CLIENT:

TOWN OF GLENVILLE

TITLE:

MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

ELECTRICAL PLAN
(ALTERNATE #1)

DESIGNED BY:

AH

DATE:

10/18/2019

SCALE:

AS NOTED

DRAWN BY:

JM

CHECK BY:

MH

APPROVED:

MH

REVISIONS:

BID SET

10/18/2019

PROJECT NUMBER:

1904290

DRAWING NUMBER:

E-102

PANELBOARD SCHEDULE (BASE BID)										NOTES: SERVICE ENTRANCE RATED. PANEL SHALL BE FULLY RATED.									
PANEL		SOURCE		RATINGS (AMPS)				PHASE/ WIRE		VOLTAGE		MOUNTING		UL LISTING INT. RATING (RMS SYM. AMPS)		DESIGN MAKE SQ-D		NEMA TYPE	
480V (BASE BID)		UTILITY		MCB 200A		MLO -		3PH 4W		480/277		SURFACE		35 KAIC		NF442L4C		1	
CKT NO.	DESCRIPTION	BREAKER	VA LOAD				VA LOAD				BREAKER	DESCRIPTION	CKT NO.						
			MISC	RCPT	MOTOR	HTG	HTG	MOTOR	RCPT	MISC									
1	XFMR [45kVA] 208V	70A/3P	536.0	29360.0	6206.0	24960.0					20A/1P	SPARE	2						
										20A/1P	SPARE	4							
5											20A/1P	SPARE	6						
7											20A/1P	SPARE	8						
9	WH-3	30A/3P				19999.8					20A/1P	SPARE	10						
11							20A/1P	SPARE	12										
13							20A/1P	SPARE	14										
15							20A/1P	SPARE	16										
17	SPARE	60A/3P									20A/1P	SPARE	18						
19										20A/1P	SPARE	20							
21										20A/1P	SPARE	22							
23										20A/1P	SPARE	24							
25	SPARE	60A/3P											26						
27										30A/3P	SPD - NOTE 1	28							
29												30							
LEFT SIDE SUB-TOTAL			536.0	29360.0	6206.0	44959.8	0.0	0.0	0.0	0.0	RIGHT SIDE SUB-TOTAL								
TOTAL CONNECTED LOAD			536.0	29360.0	6206.0	44959.8	A PHASE		B PHASE		C PHASE		TOTAL CONNECTED LOAD PER PHASE						
DEMAND FACTOR			1.0	10k, 50%	0.7	0.8													
ESTIMATED DEMAND			536.0	19680.0	4344.2	35967.8	NOTES:												
TOTAL ESTIMATED DEMAND (VA)					60528.03		1 - COORDINATE EXACT CIRCUIT BREAKER SIZE WITH SPD, SURGE PROTECTION DEVICE.												
TOTAL AMPS					72.80														

PANELBOARD SCHEDULE													NOTES: PANEL SHALL BE FULLY RATED.	
PANEL		SOURCE	RATINGS (AMPS)				PHASE/ WIRE		VOLTAGE	MOUNTING	UL LISTING INT. RATING (RMS SYM. AMPS)	DESIGN MAKE SQ-D	NEMA TYPE	
208V		480V [45KVA XFMR]	MCB 175A		MLO -		3PH 4W		208 / 120	SURFACE	10 KAIC	NQ442L2C	1	
CKT NO.	DESCRIPTION	BREAKER	VA LOAD				VA LOAD				BREAKER	DESCRIPTION	CKT NO.	
1	PAVILION RCPTS	20A/1P	MISC	RCPT	MOTOR	HTG	HTG	MOTOR	RCPT	MISC	20A/1P	SPARE	2	
3	PAVILION RCPTS	20A/1P							1000.0		20A/1P	FRIDGE [FUTURE]	4	
5	PAVILION RCPTS	20A/1P						540.0			20A/1P	WOMEN'S HD	6	
7	PAVILION LGTS	20A/1P	536.0					540.0			20A/1P	MEN'S HD	8	
9	REFRIGERATOR	20A/1P			1000.0					1500.0	20A/1P	CONCESSION RCPT	10	
11										1500.0	20A/1P	CONCESSION RCPT	12	
13	SPARE	50A/2P								1500.0	20A/1P	CONCESSION RCPT	14	
15	CONCESSION RCPT	G-20A/1P			1500.0		8320.0				50A/2P	WOMEN'S WH-1	16	
17	CONCESSION RCPT	G-20A/1P			1500.0								18	
19	CONCESSION RCPT	G-20A/1P			1500.0		8320.0				50A/2P	MEN'S WH-1	20	
21	FUTURE CAMERAS	20A/1P			1500.0								22	
23	CAR CHARGING STATION (FUTURE)	40A/2P			6240.0			4992.0			30A/2P	GRINDER PUMPS	24	
25												BUCK BOOST XFMR	26	
27	CONCESSION RCPT	G-20A/1P			1500.0						20A/1P	SPARE	28	
29	WOMEN'S EF-2	15A/1P									20A/1P	SPARE	30	
31	MEN'S EF-1	15A/1P			67.0						20A/1P	SPARE	32	
33	CAR CHARGING STATION (FUTURE)	40A/2P			6240.0						20A/1P	SPARE	34	
35											20A/1P	SPARE	36	
37											20A/1P	SPARE	38	
39	WH-2	50A/2P				8320.0					20A/1P	SPARE	40	
41	ELEC RM/RCPTS	20A/1P			720.0						20A/1P	SPARE	42	
LEFT SIDE SUB-TOTAL			536.0	23860.0	134.0	8320.0	16640.0	6072.0	5500.0	0.0	RIGHT SIDE SUB-TOTAL			
TOTAL CONNECTED LOAD			536.0	23960.0	6206.0	24960.0	A PHASE		B PHASE		C PHASE			
DEMAND FACTOR			1.0	10k, 50%	0.8	0.8								
ESTIMATED DEMAND			536.0	19680.0	4964.8	19968.0	<u>NOTES:</u>							
TOTAL ESTIMATED DEMAND (VA)				45148.80										
TOTAL AMPS				125.32										
			TOTAL CONNECTED LOAD PER PHASE											

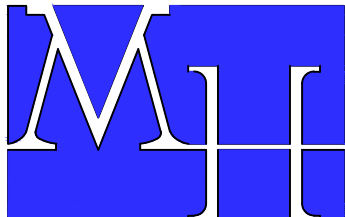
PANELBOARD SCHEDULE (ALT #1)														NOTES: SERVICE ENTRANCE RATED. PANEL SHALL BE FULLY RATED.	
PANEL		SOURCE	RATINGS (AMPS)				PHASE/ WIRE		VOLTAGE	MOUNTING	UL LISTING INT. RATING (RMS SYM. AMPS)	DESIGN MAKE	SQ-D	NEMA TYPE	
480V (ALT #1)		UTILITY	MCB 400A		MLO -		3PH 4W		480/277	SURFACE	35 KAIC	NF442L4C 1			
CKT NO.	DESCRIPTION	BREAKER	VA LOAD				VA LOAD				BREAKER	DESCRIPTION	CKT NO.		
1	XFMR [45kVA] 208V	70A/3P	MISC	RCPT	MOTOR	HTG	HTG	MOTOR	RCPT	MISC	40A/2P	MUSCO LGTS	2		
3			536.0	29360.0	6206.0	24960.0						[SOCCER FIELD] [FUTURE]	4		
5												MUSCO LGTS	6		
7												[SOCCER FIELD] [FUTURE]	8		
9							19999.8					MUSCO LGTS	10		
11	WH-3	30A/3P									40A/2P	[SOCCER FIELD] [FUTURE]	12		
13											MUSCO LGTS	14			
15			SPARE	60A/3P								[SOCCER FIELD] [FUTURE]	16		
17											MUSCO LGTS [FUTURE]	18			
19											[FOOTBALL FIELD]	20			
21	SPARE	60A/3P									40A/2P	MUSCO LGTS [FUTURE]	22		
23											[FOOTBALL FIELD]	24			
25											MUSCO LGTS [FUTURE]	26			
27			SPARE	60A/3P								[FOOTBALL FIELD]	28		
29												MUSCO LGTS [FUTURE]	30		
31	PARKING LOT LGTS [FUTURE]	20A/1P	1200.0								40A/2P	[FOOTBALL FIELD]	32		
33	SPARE	20A/1P									40A/2P	SPARE	34		
35	SPARE	20A/1P											36		
37	SPARE	20A/1P											38		
39	SPARE	20A/1P											40		
41	SPARE	20A/1P										30A/3P	SPD - NOTE 1	42	
LEFT SIDE SUB-TOTAL			1736.0	29360.0	6206.0	44959.8	0.0	0.0	0.0	122880.0	RIGHT SIDE SUB-TOTAL				
TOTAL CONNECTED LOAD			124616.0	29360.0	6206.0	44959.8	A PHASE		B PHASE		C PHASE				
DEMAND FACTOR			1.0	10k, 50%	0.7	0.8	1 - COORDINATE EXACT CIRCUIT BREAKER SIZE WITH SPD, SURGE PROTECTION DEVICE.								
ESTIMATED DEMAND			124616.0	19680.0	4344.2	35967.8	TOTAL CONNECTED LOAD PER PHASE								
TOTAL ESTIMATED DEMAND (VA)			184608.03												
TOTAL AMPS			222.05												

MECHANICAL EQUIPMENT FEEDER SCHEDULE										
EQUIPMENT SERVED	EQUIPMENT TAG	LOAD				CONDUIT & CONDUCTORS	PANEL & CIRCUIT NUMBER	CIRCUIT BREAKER	DISCONNECTING MEANS (PROVIDED BY EC UON)	NOTES
		AMPS	KW	PHASE	VOLTS	NUMBER & SIZE				
EXHAUST FAN	EF-1	0.6	0.067	1	120	3/4" WITH 3#12, 1#12	#31	15A/1P	PROVIDE BY MC.	NOTE #1
EXHAUST FAN	EF-2	0.6	0.067	1	120	3/4" WITH 3#12, 1#12	#29	15A/1P	PROVIDE BY MC.	NOTE #1
WATER HEATER	WH-1	40	8.3	1	208	1" WITH 2#8, 1#8	#20, 22 & #16, 18	50A/2P	PROVIDE 60-AMP, 1-POLE, 240V NON-FUSED, NEMA 1, DISCONNECT SWITCH	
WATER HEATER	WH-2	40	8.3	1	208	1" WITH 2#8, 1#8	#37, 39	50A/2P	PROVIDE 60-AMP, 1-POLE, 240V NON-FUSED, NEMA 1, DISCONNECT SWITCH	
WATER HEATER	WH-3	24	20	3	480	3/4" WITH 2#10, 1#10	#7, 9, 11	30A/3P	PROVIDE 30-AMP, 3-POLE, 240V NON-FUSED, NEMA 1, DISCONNECT SWITCH.	

EQUIPMENT SCHEDULE NOTES:

1. FAN CONTROL SHALL BE TIED INTO LIGHTING CONTROLS, COORDINATE WITH MC.

LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	COLOR TEMP / LUMENS	LAMP	VOLTAGE	MOUNTING	BASIS OF DESIGN
A	HOUSING: ONE-PIECE DIE-FORMED 14 GAUGE STAINLESS STEEL. HARDENED TORX SECURITY SCREWS. 0.125" PRISMATIC ACRYLIC LENS. STACKED AND WELDED INTERNAL PIANO HINGE. VERTICALLY ADJUSTABLE CONTINUOUS "Z" BRACKETS. TGIC POLYESTER POWDER COAT, WHITE. UL LISTED FOR WET LOCATION.	LED 3,404 LM 4000K 48W	LED DRIVER	UNV	SURFACE	KENALL MODEL: SDA-4-3/3-1-50L40K-DCC-1-DV-1/1-1-IHF-WL
B	HOUSING: ONE-PIECE HEAVY DUTY DIE-CAST, LOW-COPPER ALUMINUM. DARK BRONZE TGIC POLYESTER POWDER COAT. REFLECTOR: HIGH REFLECTANCE PAINTED ALUMINUM. LENS: ONE-PIECE WRAPAROUND, UV-STABILIZED, HIGH IMPACT, VIRGIN INJECTED MOLDED POLYCARBONATE. SMOOTH EXTERIOR, PRISMATIC INTERIOR. NOMINAL THICKNESS: 0.125". VISION: ONE-PIECE INJECTION MOLDED OPAQUE DARK BRONZE POLYCARBONATE. ALLOWS FOR FULL-CUTOFF LIGHT OUTPUT. GASKET: DIE-CUT CLOSED CELL NEOPRENE. HARDWARE: FOUR STAINLESS STEEL TORX WITH CENTER PIN FASTENERS. UL LISTED FOR WET LOCATION.	LED 3,033 LM 5000K 28W	LED DRIVER	120	SURFACE	KENALL MODEL: H121DSM-PP-DB-25L50K-120-BPC
C	HOUSING: 18-GAUGE CRS. TGIC POLYESTER POWDER COAT FINISH. UV STABILIZED, HIGH IMPACT PEARLESCENT POLYCARBONATE LENS. FULL REFLECTOR, HIGH IMPACT RESISTANT, INJECTION MOLDED END CAPS. STAINLESS STEEL, TAMPER RESISTANT TORX FASTENERS. UL AND CUL LISTED FOR DAMP LOCATIONS. ADA COMPLIANT.	LED 4,731 LM 4000K 48W	LED DRIVER	UNV	SURFACE	KENALL MODEL: RHL7-48-MW-PIA-1-45L40K-DCC-1-DV



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CLIENT:

TOWN OF GLENVILLE

TITLE:

MAALWYCK PARK
IMPROVEMENT PROJECT
PHASE 2

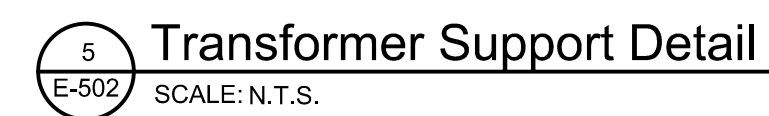
LOCATION:

300 MAALWYCK PARK RD
GLENVILLE, NY 12302

SHEET TITLE:

ELECTRICAL SCHEDULES

DESIGNED BY:	DATE:	SCALE:
AH	10/18/2019	AS NOTED
DRAWN BY:	CHECK BY:	APPROVED:
JM	MH	MH
REVISIONS:		
BID SET		10/18/2019
PROJECT NUMBER:		DRAWING NUMBER:
1904290		E-201

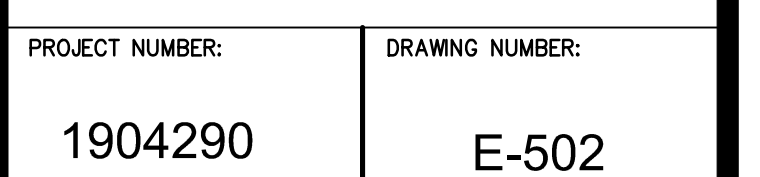


- ## 1 E-502 Ground Electrode Grid Detail SCALE: NTS



- 6 Panelboard Identification Detail
E-502 SCALE: NTS

- 3 Service Entrance Grounding Detail
E-502 SCALE: NTS



E-503