STATE OF DELAWARE **OMB / DIVISION OF FACILITIES MANAGEMENT** OMB / DFM CONTRACT # 0000628757

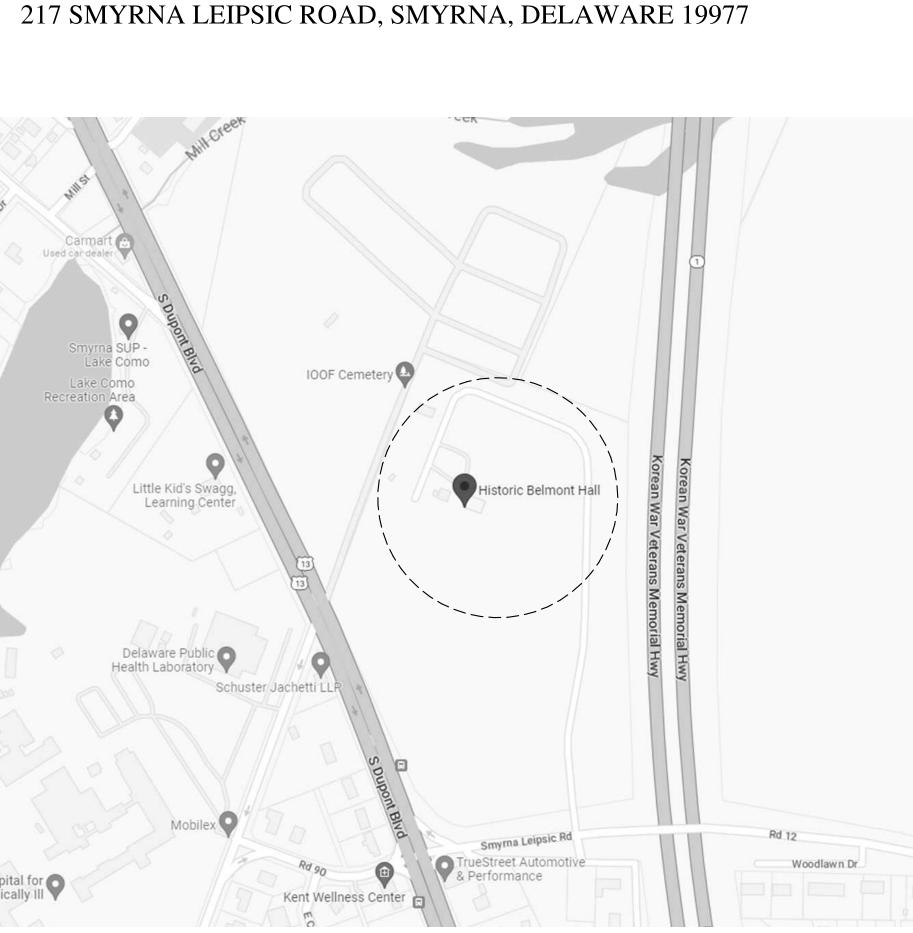
PROJECT LOCATION **BELMONT HALL** Middletown Dover Camden Centreville n Milford 1 Milton Lewes Rehoboth Beach Bridgeville (13) (404) Georgetown Federalsburg Seaford Hurlock Millsboro Cambridge Laurel Bethany Bead 50 Mardela: Selbyville - Delmar Springs - 90 Refuge Salisbury Berlin Ocean City LOCATION MAP

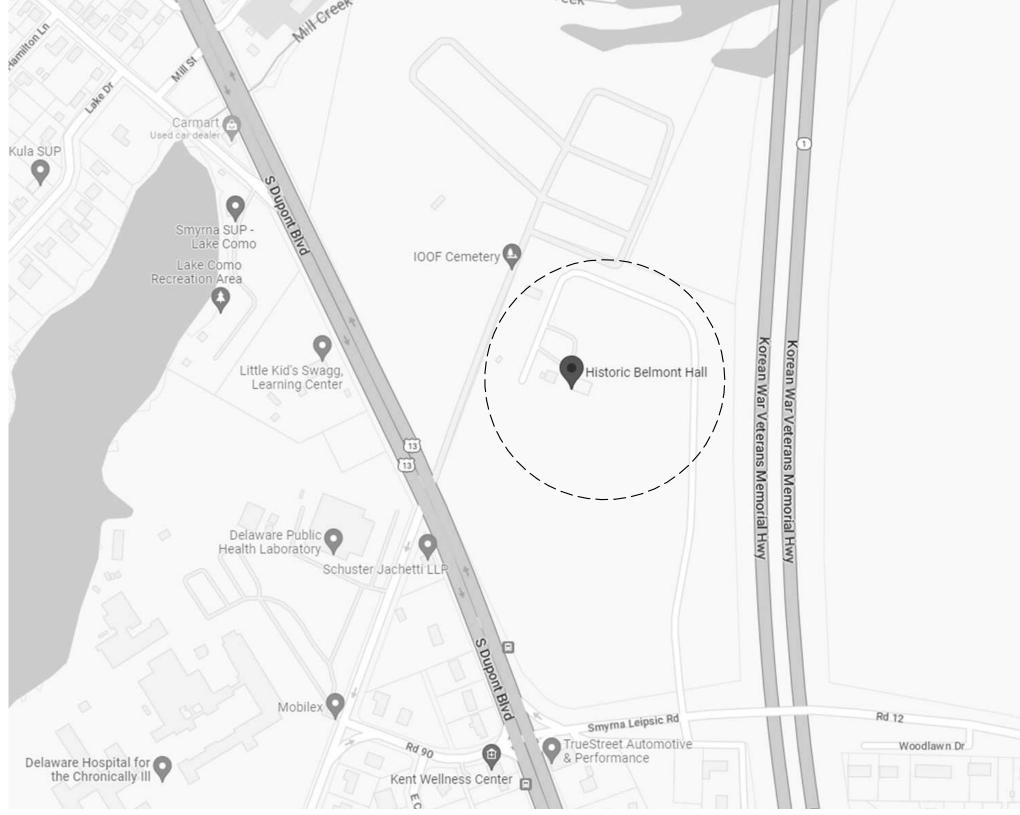


NEW CONSTRUCTION

OF BELMONT HALL PAVILLION 217 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977

FOR THE DIVISION OF FACILITIES MANAGEMENT





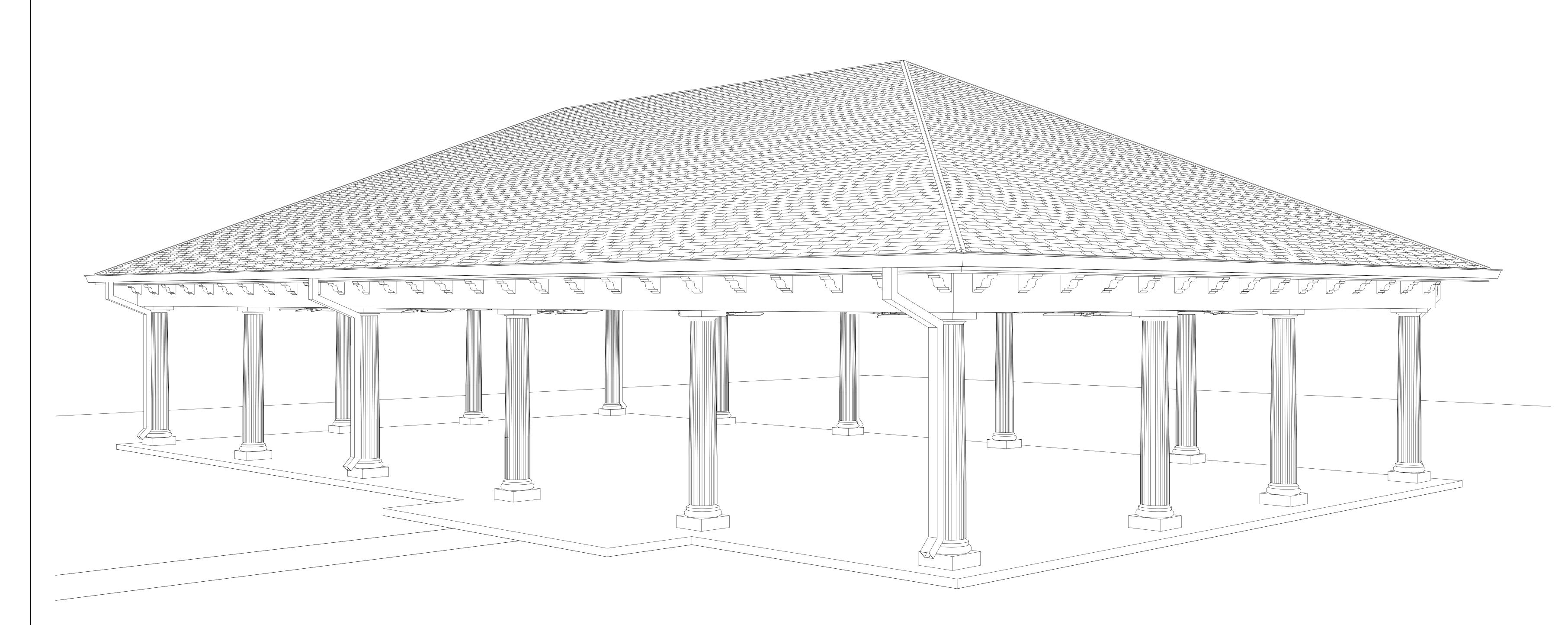


BELMONT HALL PAVILION

DRAWING INDEX

SHEET No.	SHEET TITLE
GENERAL G001 G002 G101	COVER SHEET DESIGN TEAM, ABBREVIATIONS, SYMBOLS, DRAWING KEYS, AND GENERAL NOTES CODE STUDY
CIVIL C001 C100 C201 C501 C502 C503 C504 SWM-POST SWM-PRE	COVER SHEET AND OVERALL LAYOUT DEMO PLAN SITE PLAN EROSION AND SEDIMENT CONTROL PLAN EROSION AND SEDIMENT CONTROL PLAN EROSION AND SEDIMENT CONTROL PLAN EROSION AND SEDIMENT CONTROL PLAN POST DEVELOPED SUBAREA LIMIT OF DISTURBANCE DRAINAGE AREA PLAN PRE DEVELOPED SUBAREA LIMIT OF DISTURBANCE DRAINAGE AREA PLAN
STRUCTURAL S001 S101 S501	NOTES FOUNDATION & ROOF FRAMING PLANS SECTIONS
ARCHITECTUR A101 A201 A301	AL FIRST FLOOR PLAN, REFLECTED CEILING PLAN & ROOF PLAN EXTERIOR ELEVATIONS BUILDING SECTIONS, TYPICAL PILING SECTION, AND SLAB DETAILS
PLUMBING P101	PLUMBING SITE PLANS AND DETAILS
ELECTRICAL E000 E101 E201 E801	ELECTRICAL SYMBOLS AND ABBREVIATIONS ELECTRICAL SITE PLAN ELECTRICAL LIGHTING AND POWER PLANS ELECTRICAL SCHEDULES AND DETAILS

BECKER MORGAN GROU ARCHITECTURE ENGINEERING <u>Delaware</u> 309 S Governors Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 <u>Maryland</u> 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 North Carolina 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEEF 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 fax: 302-738-7175 ROJECT TITLE BELMONT HALL PAVILLION 217 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 1997 ISSUED FOR BID / PERMIT ONLY 07/14/2023 COVER SHEET ISSUE BLOCK Mark Description **PROJECT NO** 2022035.0 DATE: 07/14/2023 SCALE: DRAWN BY: CGK PROJ MGR: BLF G001



ABBREVIATIONS

TILE

GWB

FLOOR

BOARD

BUILDING

ACOUSTIC

ALUMINUM

ACCESS PANEL

ABOVE FINISHED

ABUSE RESISSTANT

ACOUSTIC CEILING F.E.C.

FIN.F.,F.F

F.OF S.

FRP

F.R.T.

FTG.

F.V.

FURR.

ACT AL., ALUM A.P. A.R.GWB A.F.F. BLDG. B.M. BRG. CAB CB, C.B

C.T.

C.H. CJ, C.J C.L. CLG. CLO., C CLR. C.M.U., CMU COL CONC. CONST CONT. CORR. CPT. C.R. D.A. DET. D.F. DBL DIA. DIM DISP. DR. DW

DWG.

E.J., EJ

ELEC.

E.W.C.

EXG.

EXP.

FXT

F.C.U.

F.D.

FON.

F.E.

FP

FVC **BENCH MARK** BEARING GA. CABINET G.B. G.W.B, GWB CHALKBOARD CERAMIC TILE GYP.BD. **CEILING HEIGHT** H., HT. CONTROL JOINT H.C. CENTER LINE HDW. CEILING H.M. CLOSET CLEAR H.P. CONCRETE I.D. MASONRY UNIT INSUL. COLUMN J., JAN. CONCRETE JST. CONSTRUCTION CONTINUOUS LAM. LAV. CORRIDOR CARPET ΙP COLD ROLLED DISTURBED AREA MACH. DETAIL MAINT. DRINKING FOUNTAIN MAS. DOUBLE MAT. DIAMETER MAX. DIMENSION MB, M.B. DISPENSER M.C. MECH. DOOR DRYWALL MET., MTL. DOWNSPOUT MFR. DRAWING MIN. EACH M.O. EXPANSION JOINT M.S., ELECTRIC(-AL) MTD EPOXY PAINT EQUAL N.I.C. EQUIP, EQPT EQUIPMENT NO., # ELECTRIC WATER N.T.S. COOLER EXISTING O.D. OFF. EXPANSION EXTERIOR O.H. FIRE CODE OPNG. PART. FAN COIL UNIT

FLOOR DRAIN

FOUNDATION

PL.

FIRE EXTINGUISHER PLY., PWD PLYWOOD

PNL.

PANEL

FIRE EXTINGUISHER PS., P.S. PT., PTD. CABINET P.R.V. R.D. FINISHED FLOOR FACE OF STUD FIREGLASS REC. REINFORCED PLASTIC RECPT FIRE RETARDANT REF. TREATED REQD FOOTING R.L. FURRING RM. FIELD VERIFY R.O. FIRE VALVE CABINET RUB. GAUGE S.D. GRAB BAR SECT. GYPSUM WALL BOARDS.G.F.T GYPSUM BOARD HEIGHT S.H. SHT HANDICAPPED HARDWARE SIM. S.M. HOLLOW META HOUR SP **HIGH POINT** S.S. **INSIDE DIAMETER** S/S INSULATION STL. JANITOR STOR STRUCT JOIST JOINT SUSP. SYN.FL LAMINATE LOW POINT TB, T.B. LAVATORY SINK TEL. T.& G. MEN MACHINE THRESH. MAINTENANCE T.O.B. MASONRY T.O.M. MATERIALS T.P. MAXIMUM T.S. MARKER BOARD MEDICINE CABINET T.W. TYP. MECHANICAL METAL U.L MANUFACTURER U.O.N MINMUM MASONRY OPENING U.S.G. METAL SHELVING V.A.T. MOUNTED V.C.T. N.C., NONCOM. NON COMBUSTIBLE VERT. NOT IN CONTRACT VEST., V. NUMBER V.R.G. NOT TO SCALE V.T.R. ON CENTER W OUTSIDE DIAMETER W/ OFFICE WAIN. OPPOSITE HAND WARD. OPENING W.C. PARTITION WD. PLATE WDR. PLAM,, P-LAM PLASTIC LAMINATE WL.

PROJECTOR SCREEN PAINTED POWER ROOF VENTILATOR ROOF DRAIN RECESSED RECEPTIONIST REFRIGERATOR REQUIRED RAIN LEADER ROOM **ROUGH OPENING** RUBBER (WALL BASE) SOAP DISPENSER SECTION STRUCT. GLAZED FACING TILE SHOWER HEAD SHEET SIMILAR SURFACE MOUNTED STAND PIPE SERVICE SINK STAINLESS STEEL STEEL STORAGE STRUCTURAL SUSPENDED SYNTHETIC FLOOR TACKBOARD TELEPHONE TONGUE AND GROOVE THRESHOLD TOP OF BEARING TOP OF MASONRY PARAPET TOILET PAPER HOLDER TACK STRIP, TEACHING STATION TEACHING WALL TYPICAL UNDERWRITERS LABORATORIES UNLESS OTHERWISE NOTED U.S. GYPSUM COMPANY VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL REDUCER STRIP VENT THROUGH ROOF WOMEN WITH WAINSCOT WARDROBE WATER CLOSET WOOD WARDROBE WALL

WALL-MOUNTED

WELDED WIRE MESH

W.M.

W.W.W.

DESIGN TEAM

DEDC, LLC. **GENERAL NOTES** PROTECTION, ETC. WRIST AND/OR INSTALLATION. INSTALLATION: PROPER ASSEMBLY, INSTALLATION, AND OPERATION OF ALL MATERIALS, COMPONENTS, SYSTEMS, AND FINISHES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS AND ALL APPLICABLE CODES. 10. 11. MASONRY OPENING IN MASONRY; PLUMBING FIXTURES ARE TO CENTERLINE OF FIXTURE. 12. DRAWINGS. 13. 15. 16.

CODES

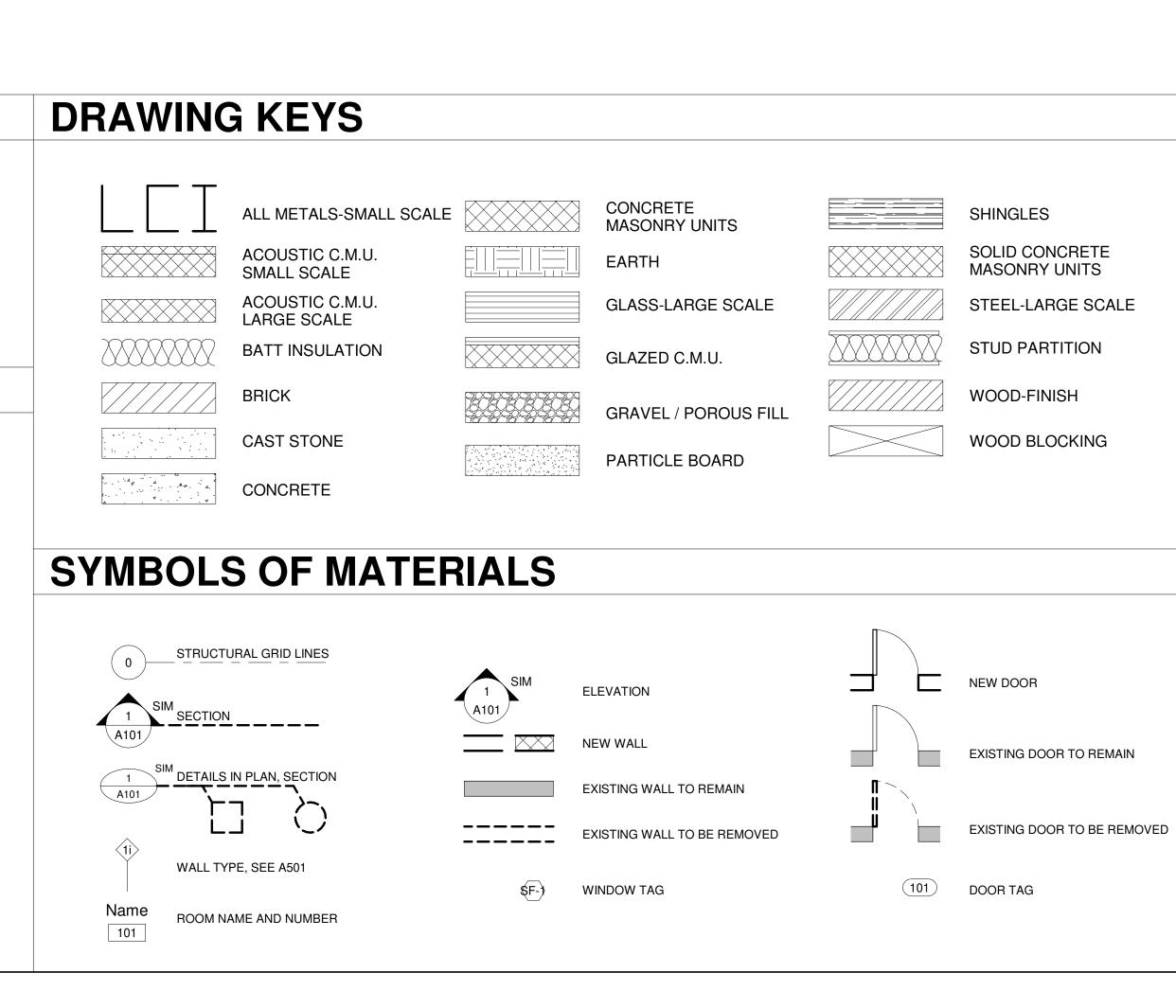
BECKER MORGAN GROUP, INC.

STRUCTURAL, ARCHITECTS, CIVIL ELECTRICAL ENGINEERS

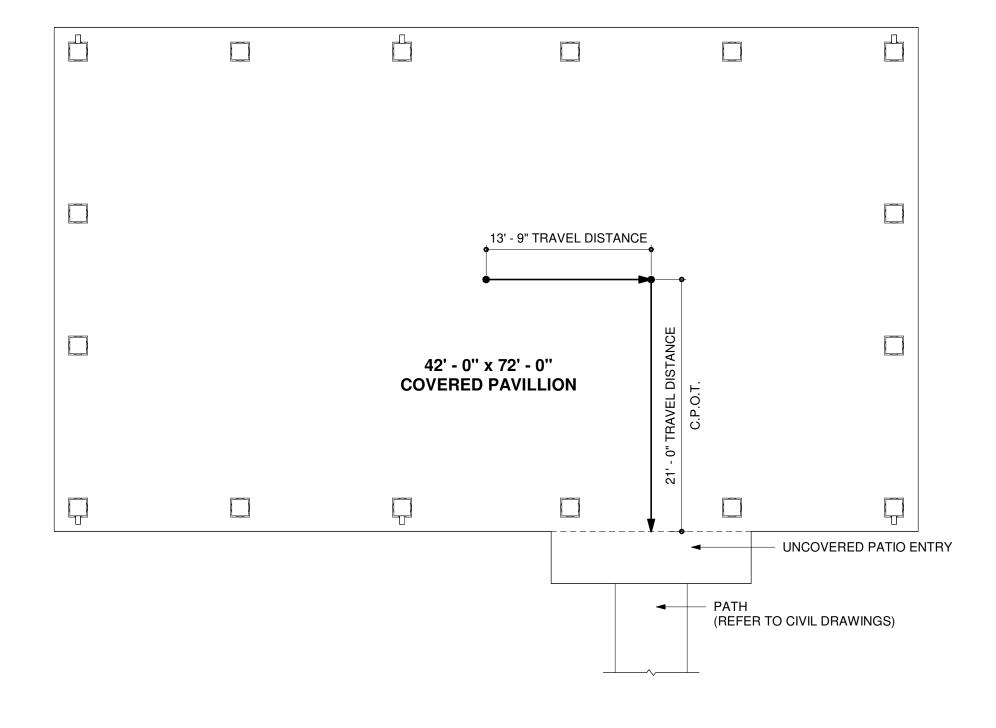
CODES: ALL WORK ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, ORDINANCES, REGULATIONS, STANDARDS, AND ANY ADDITIONAL REQUIREMENT STATED IN ANY LAW, ORDINANCE, OR REGULATION PERTAINING TO CONSTRUCTION WITHIN THE LIMITS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROPOSED WORK (INCLUDING BUT NOT LIMITED TO: FIRE, ACCESSIBILITY, ZONING WATER, WASTEWATER, ENVIRONMENTAL, STRUCTURAL, ARCHITECTURAL, HEALTH, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CONSERVATION). CONFORMITY TO ALL CODES APPLICABLE TO THIS PROJECT SHALL BE THE CONTRACTORS RESPONSIBILITY. EGRESS: ALL MEANS OF EGRESS SHALL BE CONTROLLED BY THE AUTHORITY HAVING JURISDIC DISCHABGE OTHER EGRESS PATHS OCCUPANTS LOADS SPRINKLEE ACCESSIBILITY: ALL BUILDING COMPONENTS, FIXTURES, ACCESSORIES, ETC. SHALL BE INSTALLED WITH MANEUVERING AND OPERATING CLEARANCES, MOUNTING HEIGHTS, ETC. IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT STANDARDS, ICC/ANSI A117.1, AND STATE ACCESSIBILITY CODE. OPERABLE PARTS SHALL BE OPERABLE BY ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE FIELD VERIFICATION: THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND PROPOSED BUILDING DIMENSIONS PRIOR TO CONSTRUCTION. ANY VARIATIONS. DISCREPANCIES. OR FIELD ALTERATIONS TO THESE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION. IF CONTRACTOR COMMENCES CONSTRUCTION WITHOUT NOTIFYING ARCHITECT OF VARIATIONS, DISCREPENCIES, OR FIELD ALTERATIONS, THAT SHALL CONSTITUTE WAIVER TO ANY CLAIM BY CONTRACTOR FOR ADDITIONAL EXPENSES NECESSARY TO PERFORM WORK ASSOCIATED WITH THOSE CONDITIONS. SUBMITTALS: CONTRACTOR SHALL SUBMIT ALL NECESSARY BUILDING COMPONENTS, SYSTEMS, EQUIPMENT, MATERIALS, FINISHES, ETC. FOR REVIEW BY ARCHITECT/OWNER PRIOR TO PROCUREMENT, FABRICATION,

INCIDENTAL WORK: ANY ITEMS NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REASONABLY INCIDENTAL TO AND NECESSARY FOR THE SATISFACTORY COMPLETION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES, REGULATIONS, AND STANDARDS, ARE INCLUDED WITHIN THE INTENT OF THESE DESIGN DRAWINGS. OWNER-PROVIDED WORK: LOCATION OF ALL OWNER-PROVIDED FIXTURES, EQUIPMENT, ETC. SHALL BE COORDINATED TO ENSURE PROPER ALIGNMENT FOR INSTALLATION AND OPERATION, BLOCKING, ETC. SAFETY: COMPONENTS FOR CONSTRUCTION SAFETY ARE NOT INDICATED IN THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL RULES AND OTHER REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND APPLICABLE STATE AND LOCAL SAFETY REQUIREMENTS DURING ALL CONSTRUCTION ACTIVITIES. INSPECTIONS: CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL ON-SITE INSPECTIONS REQUIRED PRIOR TO OCCUPANCY APPROVAL. DIMENSIONS: UNLESS OTHERWISE INDICATED: WALLS ARE TO FACE OF STUD FRAMING AND TO FACE OF MASONRY; WINDOWS AND DOORS ARE TO CENTERLINE OF OPENING IN STUD FRAMING AND TO FACE OF

BLOCKING: PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF ALL PORTIONS OF THE WORK AND PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, WHETHER OR NOT SPECIFICALLY INDICATED IN THESE METAL PROTECTION AT TREATED WOOD: METAL CONNECTORS THAT COME IN CONTACT WITH TREATED LUMBER SHALL BE STAINLESS STEEL OR "ZMAX" CORROSION RESISTANT MATERIALS TO HELP PROTECT AGAINST ACCELERATED CORROSION. CONTRACTOR SHALL COORDINATE COMPATIBILITY OF ALL METALS USED WITH TREATMENT PRODUCT(S) MANUFACTURER(S)'S WRITTEN RECOMMENDATIONS. HURRICANE TIES: CONTRCATOR SHALL PROVIDE HURRICANE TIES AND CONSTRUCTION CONNECTORS PER CODE AND AS REQUIRED BY AUTHORITY HAVING JURISDICTION. LIFE SAFETY COMPONENTS: FINAL LOCATION OF FIRE EXTINGUISHERS, EMERGENCY LIGHTING, AND EXIT SIGNS TO BE AS DIRECTED BY LOCAL FIRE MARSHAL, AND ARE SUBJECT TO FINAL ON-SITE INSPECTION AND EVALUATION. CONTRACTOR SHALL MAKE REVISIONS AND/OR ADDITIONS IN ACCORDANCE WITH FIRE MARSHAL'S INSPECTION.. FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL WORK: ALL FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFROMED BY QUALIFIED, LICENSED (SUB)CONTRACTORS, AND BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, STANDARDS, ETC.. ALL COMPONENTS SHALL BE INSTALLED ABOVE THE FLOOD ELEVATION AS REQUIRED BY FEMA, LOCAL A.H.J., AND ALL APPLICABLE 17. GRADING: CONTRACTOR SHALL COORDINATE SITE GRADING TO COMPLY WITH CODES AND ORDINANCES, AND TO MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING.



BECKER MORGAN G R O U ARCHITECTURE ENGINEERING Delaware 309 S Governors Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 Maryland 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 North Carolina 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEER 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 fax: 302-738-7175 PROJECT TITLE BELMONT HALL PAVILLION 217 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977 ISSUED FOR BID / PERMIT ONLY ISSUED: 07/14/2023 SHEET TITLE DESIGN TEAM, ABBREVIATIONS, SYMBOLS, DRAWING KEYS, AND GENERAL NOTES ISSUE BLOCK Mark Date Description PROJECT NO: 2022035.01 DATE: 07/14/2023 SCALE: 1" = 1'-0" DRAWN BY: CGK PROJ MGR: BLH G002 COPYRIGHT © 2023



1 CODE PLAN

(WHEN O	NLY ONE S	OURCE IS
PRO	JECT	
PROJECT NA		BELM
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FLOOR AREA OCCUPANCY LOA MINIMUM NUMBER OF EXITS PE MINIMUM NUMBER OF ACCESS

MINIMUM INTERIOR FIN **EXIT ENCLOSURES & EXIT PAS EXIT ENCLOSURES & EXIT PAS CORRIDORS & LOBBIES - WALL CORRIDORS & LOBBIES - FLOO** ROOMS & ENCLOSED SPACES - WALLS ROOMS & ENCLOSED SPACES - FLOORS TRIM

USE GROUP

FIRST FLOOR A-3 ASSEMBLY NOTE: NON-PEF

SCALE: 1/8" = 1'-0"

CODE STUDY DATA

(WHEN ONLY ONE SOURCE IS NOTED, THE DATA LISTED REPRESENTS THE MOST STRINGENT UIREMENTS WHEN COMPARING THE TWO CODES) INFORMATION ELMONT HALL EVENT PAVILION 3 SMYRNA LEIPSIC ROAD, SMYRNA, DELAWARE 19977

> EW CONSTRUCTION OF COVERED EVENT PAVILION TATE OF DELAWARE

APPLICABLE CODES

2018 INTERNATION BUILDING CODE (IBC) 2018 NFPA 101 LIFE SAFETY CODE (NFPA) 2017 ICC/ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES

2010 ADA STANDARD FOR ACCESSIBLE DESIGN

MARYLAND ACCESSIBILITY CODE / STATE OF DELAWARE ARCHITECTURAL ACCESSIBILTIY STANDARDS 2019 STATE OF MARYLAND FIRE PREVENTION CODE / 2021 DELAWARE STATE FIRE PREVENTION REGULATIONS 2018 INTERNATIONAL ENERGY CONSERVATION CODE / ASHRAE 90.1-2016 ENERGY STANDARD FOR BUILDINGS EXCEPT

	BUILDING USE AND CONSTRUCTION CLAS	DOIFICATION	
RUCTION CLASSIFICATION	LIFE SAFETY CODE REFERENCE	IBC REFERENCE	
ED)	NEW ASSEMBLY	303.4 ASSEMBLY GROUP A-3	
	V (000)	TYPE VB	
	NON-SPRINKLERED	NON-SPRINKLERED	
		40' / 1 STORY	
		23' / 1 STORY	
		6,000 SF	
C 202)		2,880 SF	

LOW-RISE RESIDENTIAL BUILDINGS

	NFP	A 101 LIFE SAFETY CO	DDE / TYPE V (000) CONSTRUCTION			IBC / TYPE 5-B CONSTRUCTION
		RED RATING		REQUIF	RED RATING	
QUIREMENTS OF STRUCTURAL EGRESS COMPONENTS	WALL (HRS)	OPNG (HRS) - D (door) / W (window)	REFERENCE	WALL (HRS)	OPNG (HRS)	REFERENCE
ME		1	·			
ME - supporting a roof only	0	0	TABLE A. 8.2.1.2, NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
upporting Roof 20' A.F.F.	0	0	TABLE A. 8.2.1.2	0	0	TABLE 601
upport one floor only	N/A	N/A	TABLE A. 8.2.1.2	0	N/A	TABLE 601
upporting more than one floor	N/A	N/A	TABLE A. 8.2.1.2	N/A	N/A	TABLE 601
, ARCHES - supporting a roof only	0	0	TABLE A. 8.2.1.2, NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
upporting Roof 20' A.F.F.	N/A	N/A	TABLE A. 8.2.1.2	N/A	N/A	TABLE 601
upporting one floor only	N/A	N/A	TABLE A. 8.2.1.2	N/A	N/A	TABLE 601
upporting more than one floor	N/A	N/A	TABLE A. 8.2.1.2	N/A	N/A	TABLE 601
- supporting a roof only	N/A	N/A	TABLE A.8.2.1.2 & TABLE 8.3.4.2	N/A	N/A	TABLE 601 - NOTE b
upporting Roof 20' A.F.F.	N/A	N/A	TABLE A.8.2.1.2, NFPA 5000 - 7.2.3.2.8	N/A	N/A	TABLES 601 & 602 & 705.8
upport one floor only	N/A	N/A	TABLE A.8.2.1.2 & TABLE 8.3.4.2 & TABLE 7.3.2.1	N/A	N/A	TABLES 601 & 602 & 705.8
upporting more than one floor	N/A	N/A	TABLE A.8.2.1.2 & TABLE 8.3.4.2 & TABLE 7.3.2.1	N/A	N/A	TABLES 601 & 602 & 705.8
supporting a roof only	N/A	N/A	TABLE A.8.2.1.2 & TABLE 8.3.4.2	N/A	N/A	TABLE 601
upporting Roof 20' A.F.F.	N/A	N/A	TABLE A.8.2.1.2, NFPA 5000 - 7.2.3.2.8	N/A	N/A	TABLE 601
upporting one floor only	N/A	N/A	TABLE A.8.2.1.2 & TABLE 8.3.4.2	N/A	N/A	TABLE 601
upporting more than one floor	N/A	N/A	TABLE A.8.2.1.2 & TABLE 8.3.4.2	N/A	N/A	TABLE 601
ARTITIONS			1			
ALLS	N/A	N/A	TABLE A.8.2.1.2 & TABLE 7.3.2.1	N/A	N/A	TABLES 601 & 602 & 705.8
RTITIONS	N/A	N/A	TABLE A.8.2.1.2	N/A	N/A	TABLE 601
ASSOCIATED SECONDARY MEME			-			
3	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
ASSOCIATED SECONDARY MEMBE			-			
	0	0	TABLE A.8.2.1.2	0	0	TABLE 601
- 20' A.F.F.	0	0	NFPA 5000 - 7.2.3.2.8	0	0	TABLE 601
S			1		-	1
S	N/A	N/A	8.6.5 & TABLE 8.3.4.2	N/A	N/A	SECTION 707.3 & 1023.2 & T716.5
	N/A	N/A	7.1.3.1(1)	N/A	N/A	TABLE 1020.1 & T716.5
	1	1	· · ·	I		
	N/A	N/A	8.6.5 & TABLE 8.3.4.2	N/A	N/A	SECTION 713 & T716.5
	N/A	N/A	8.5.1, & TABLE 8.3.4.2	N/A	N/A	SECTION 709, TABLE 716.15
	N/A	N/A		N/A	N/A	
		• · · ·				
} TO { } CTION FROM HAZARDS	N/A	N/A		N/A	N/A	TABLE 508.4
	N/A	N/A		N/A	N/A	
5						TABLE 509
	N/A	N/A		N/A	N/A	IABLE 509

	TRAVEL DISTANCE LIMITS	
STANCE LIMITS	LIFE SAFETY	IBC
E LIMIT TO AN EXIT OR EXIT	NEW ASSEMBLY = 200' (TABLE A.7.6)	A = 200' (TABLE 1017.2)
F TRAVEL LIMIT	NEW ASSEMBLY = 100' (TABLE A.7.6)	A = 100' (TABLE 1017.2)
DOR LIMIT	N/A	N/A
	MINIMUM NUMBER OF EXIT REQUIRED	
	LIFE SAFETY	IBC
OAD BETWEEN 1 AND 500		N/A
PER STORY	NEW ASSEMBLY = 2 EXITS (7.4.1.1 AND 38.2.4.1)	A = 2 EXITS (TABLE 1006.3.1)
SSIBLE ENTRANCES/EXITS	NEW ASSEMBLY = 1 EXIT (7.5.4.1.1 & 7.5.4.2.2)	A = 1 EXIT (1009.1 & 1105.1)
	MINIMUM INTERIOR FINISH REQUIREMENTS	3
FINISH REQUIREMENTS	LIFE SAFETY	IBC
ASSAGEWAYS - WALLS	NEW ASSEMBLY = CLASS A (TABLE A.10.2.2 WITH NOTE 6)	CLASS A (TABLE 803.1)
ASSAGEWAYS - FLOORS	NEW ASSEMBLY = CLASS V / ASTM D2859 OR 16 CFR 160 (FFI-70) (TABLE A.10.2.2 WITH NOTE 6)	CLASS V (804.4.1, 804.4.2)
ALLS	NEW ASSEMBLY = CLASS A (TABLE A.10.2.2 WITH NOTE 6)	CLASS A (TABLE 803.1)
DORS	NEW ASSEMBLY = CLASS V / ASTM D2859 OR 16 CFR 160 (FFI-70) (TABLE A.10.2.2 WITH NOTE 6)	CLASS V (804.4.1, 804.4.2)
S - WALLS	NEW ASSEMBLY = CLASS A (TABLE A.10.2.2 WITH NOTE 6)	CLASS A (TABLE 803.1)

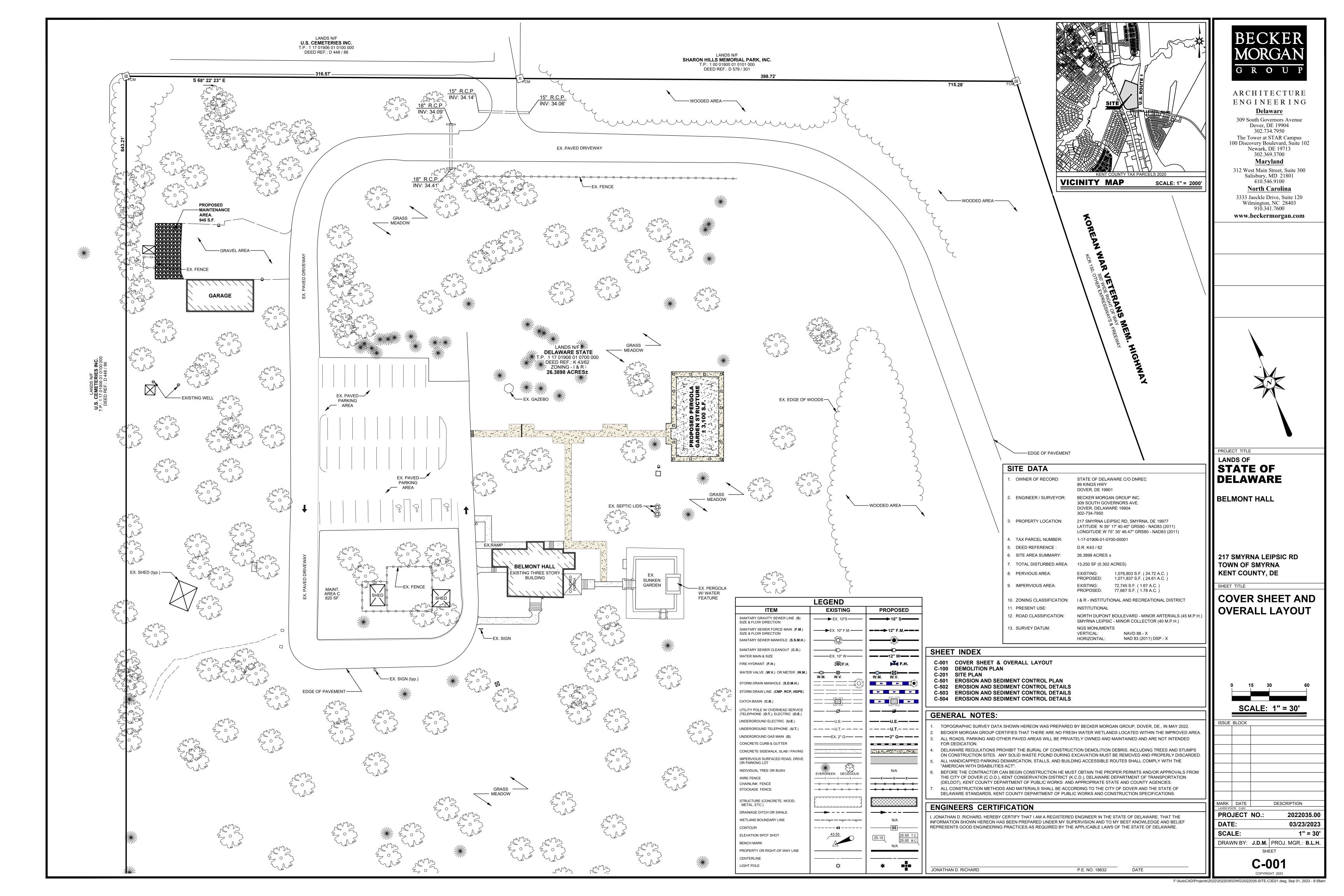
		F	LONB	ING FI	XIL	JRE CA	ALCUL	AH.	ONS					
OCCUPANTS			WATER C	CLOSETS			LA	VATOF	RIES	DRINKING	i FOUN	TAIN / B.F.S.	OTHER	
		MEN		N		J								
	REQUI	RED	PROVIDED	REQUIRE	D	PROVIDED	REQUIF	RED	PROVIDED	REQUI	RED	PROVIDED	REQUIRED	PROVIDE
186		1.48	N/A		2.86	N/A		0.93	N/A		0.37	N/A		N/A
	1/125	1.48	V	1/65	2.86	↓	1/200	0.93	↓	1/500	0.37	↓	1 SERVICE SINK	↓ ↓

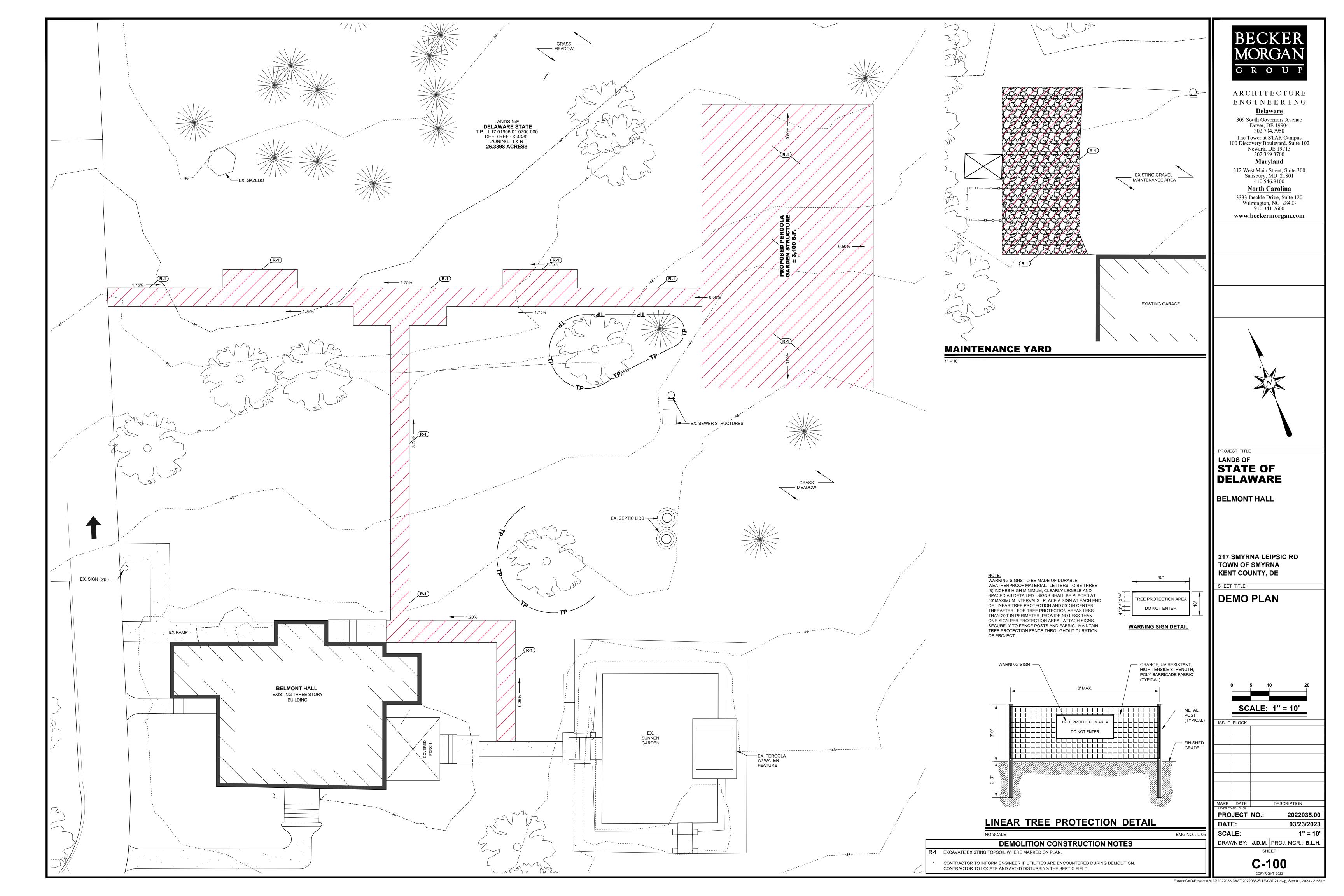
NEW ASSEMBLY = CLASS V / ASTM D2859 OR 16 CFR 160 (FFI-70) (TABLE A.10.2.2 CLASS V (804.4.1, 804.4.2)

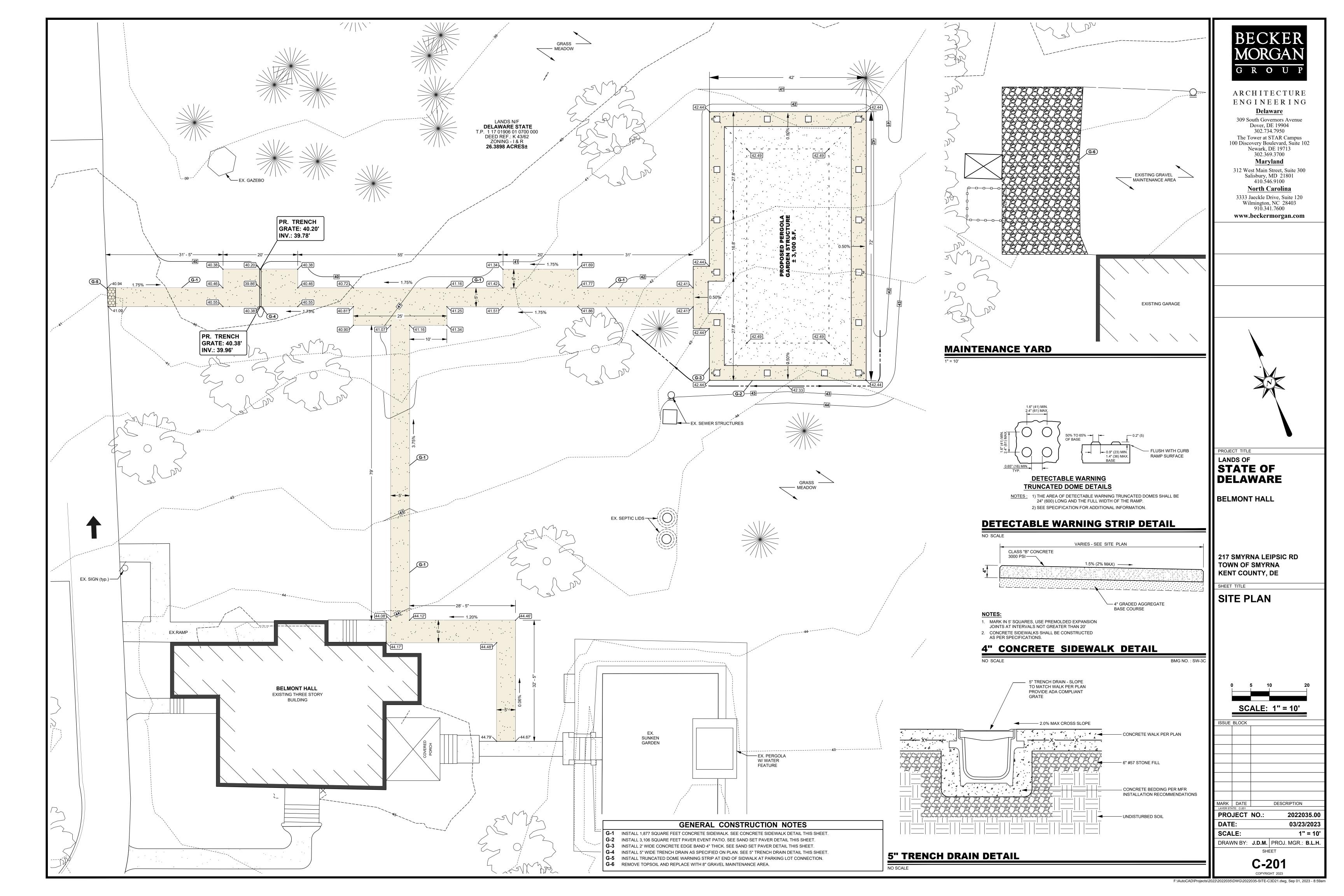
WITH NOTE 6)

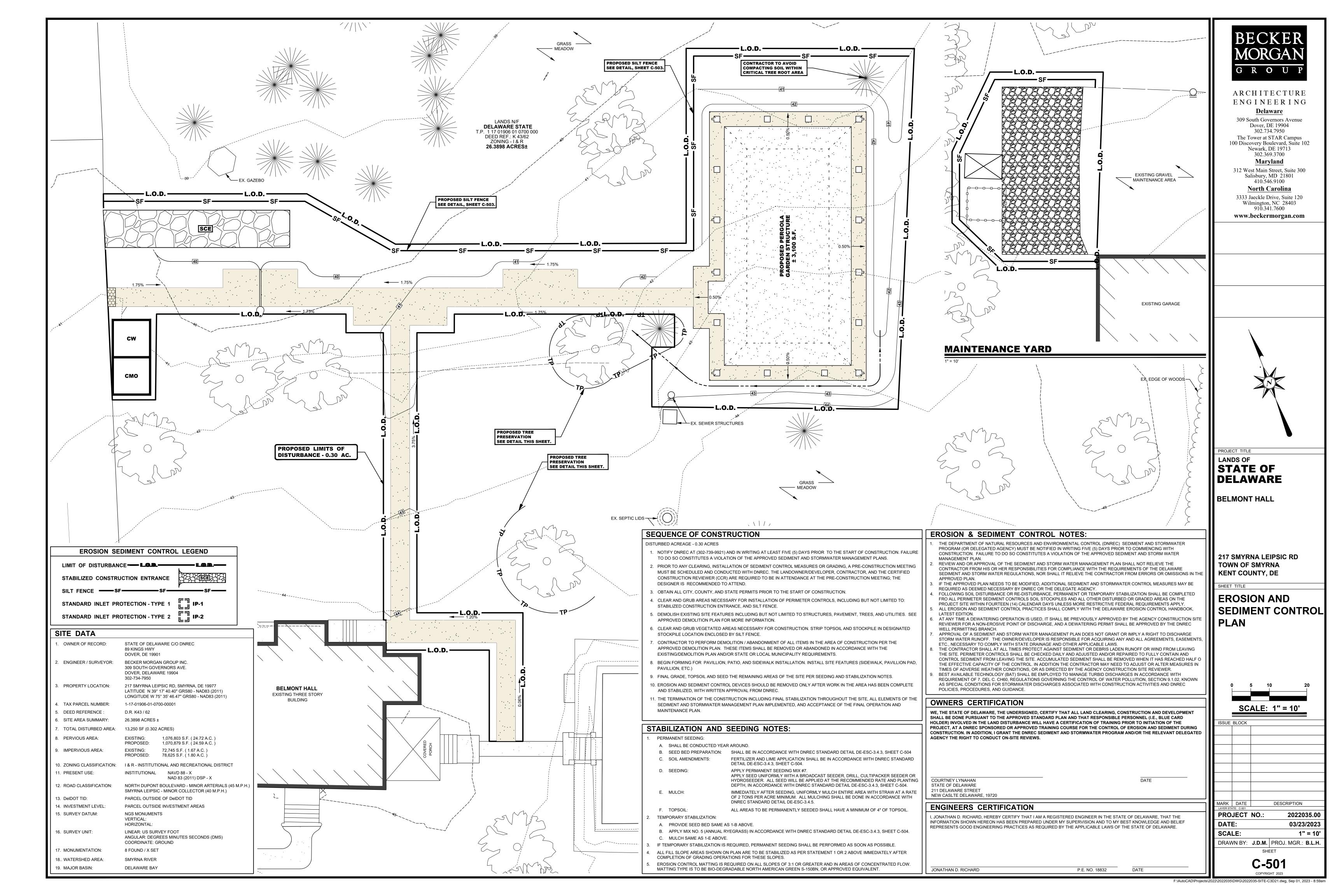
NOT IN EXCESS OF 10% OF AGGREGATE WALL & CEILING AREA OF ANY ROOM/SPACE SHALL BE PERMITTED TO BE CLASS C MATERIAL.

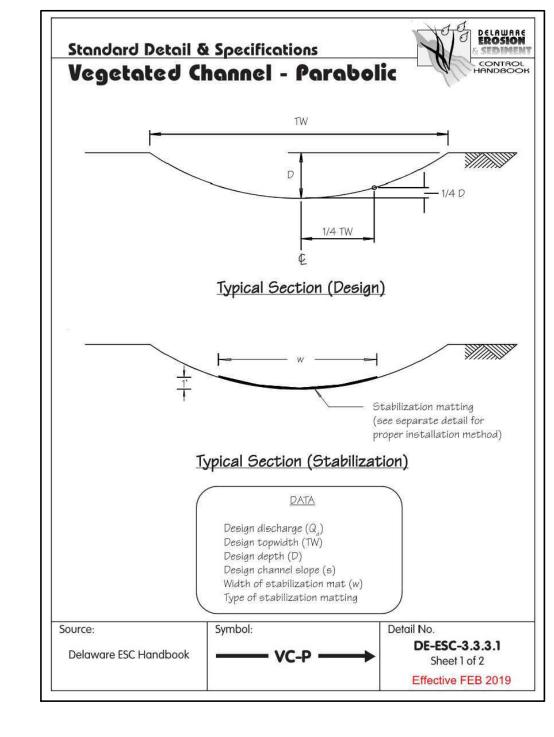
BECKER MORGAN G R O U P ARCHITECTURE ENGINEERING Delaware 309 S Governors Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 <u>Maryland</u> 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 <u>North Carolina</u> 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEER 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 fax: 302-738-7175 PROJECT TITLE BELMONT HALL PAVILLION 217 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977 ISSUED FOR BID / PERMIT ONLY ISSUED: 07/14/2023 SHEET TITLE CODE STUDY ISSUE BLOCK Mark Date Description 2022035.01 PROJECT NO: DATE: 07/14/2023 SCALE: As indicated DRAWN BY: CGK PROJ MGR: BLH G101 COPYRIGHT © 2023

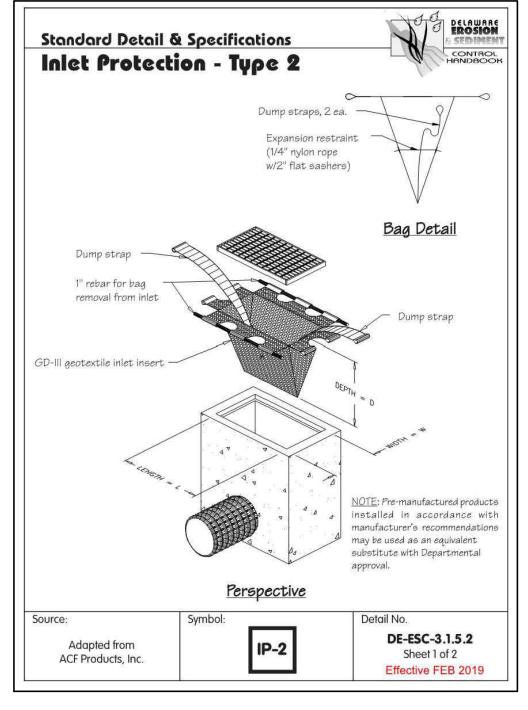


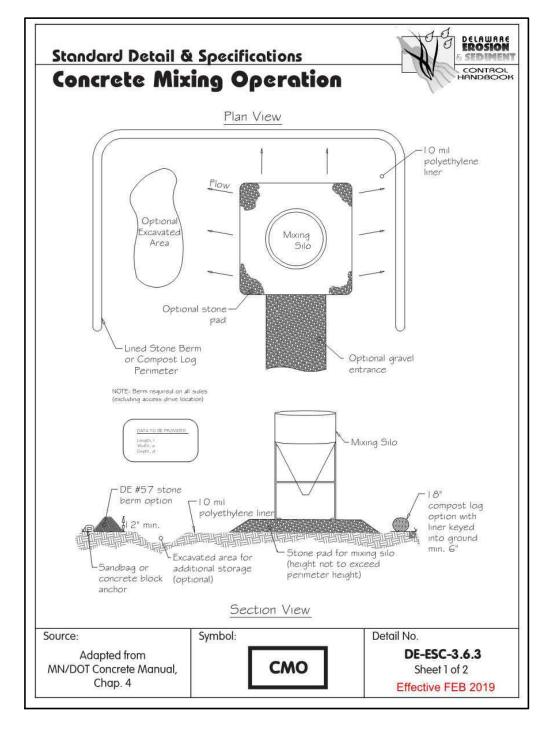












С	onstruction Notes:
1.	All trees, brush, stumps, obstructions, and other objectionable m disposed of so as not to interfere with the proper functioning of t
2.	The channel shall be excavated or shaped to line, grade, and cros the criteria specified herein, and be free of bank projections or impede normal flow.
3.	Fills shall be compacted as needed to prevent unequal settlement in the waterway.
4.	All earth removed and not needed in construction shall be spread not interfere with the functioning of the waterway.
5.	Stabilization shall be done in accordance with the appropriate Sto Vegetative Stabilization and Stabilization Matting.
	 a. It is recommended that, when conditions permit, temporary should be used to prevent water from entering the waterway do vegetation.
	b. Should groundwater or base flow conditions preclude the est vegetative stabilization throughout the entire design section, through use of a lining material, stone center drain and/or su practices shall be designed and constructed in accordance v Standard(s) and Specifications and Standard Detail(s).

And B	LAWARE COSION	Standard Detail &
	ONTROL NDBOOK	Inlet Protection

Notes

- This practice shall only be used in situations in which Inlet Protection Type 1 cannot be used due to site constraints. These include, but are not limited to partially completed parking areas, streets, roads, etc.
- It may be necessary to transition from Type 1 to Type 2 Inlet Protection as construction proceeds.
- For areas where there is a concern for oil run-off or spills, insert shall meet one of the above specifications with an oil-absorbant pillow or shall be made completely from an oilabsorbant material with a woven pillow.

Materials:

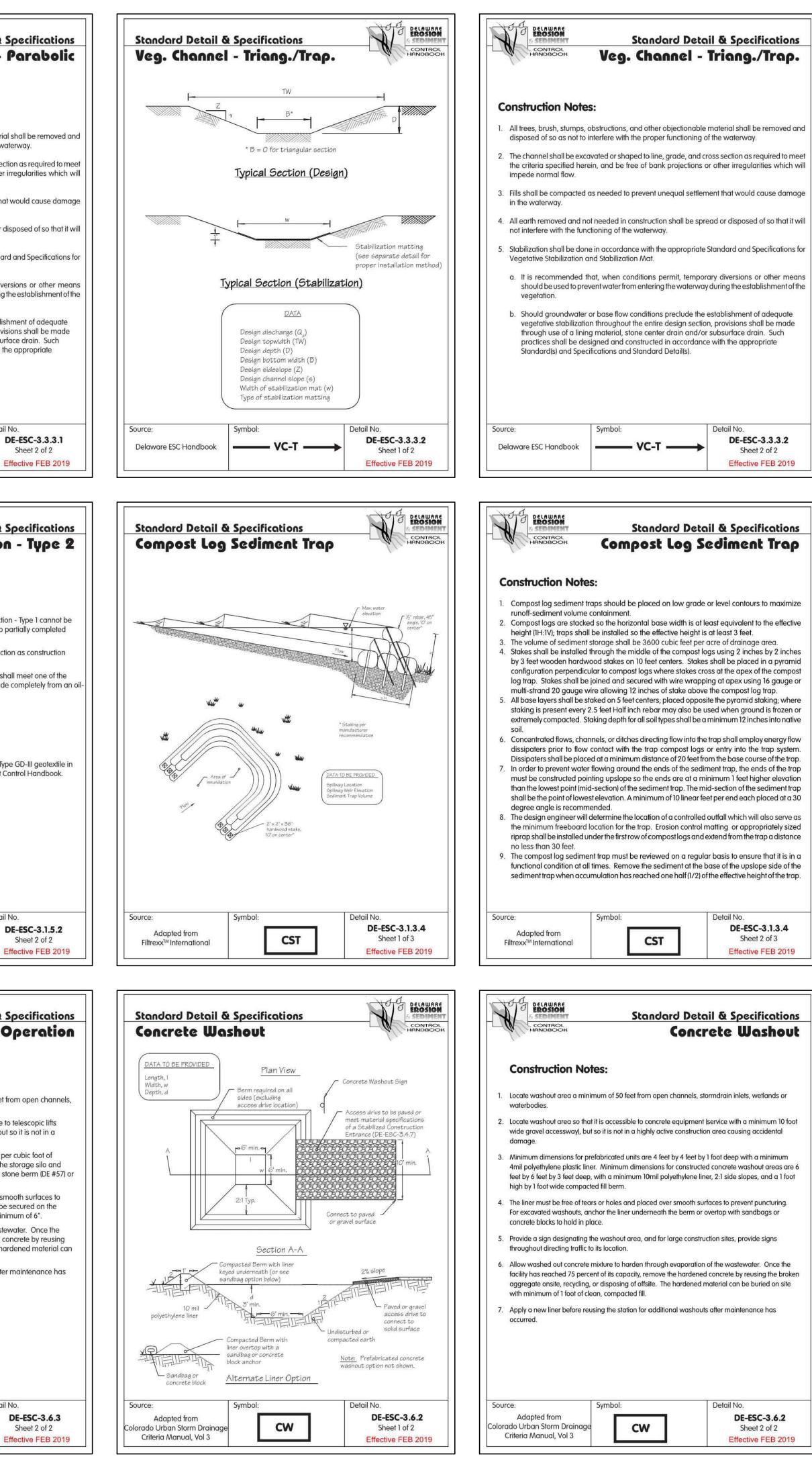
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Chap. 4

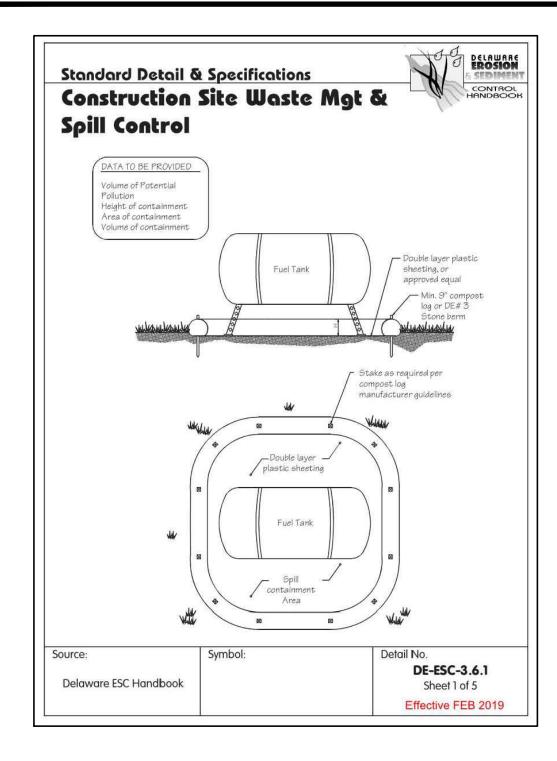
The geotextile inlet insert shall meet or exceed the specifications of Type GD-III geotextile in accordance with Appendix A-3 of the Delaware Erosion & Sediment Control Handbook.

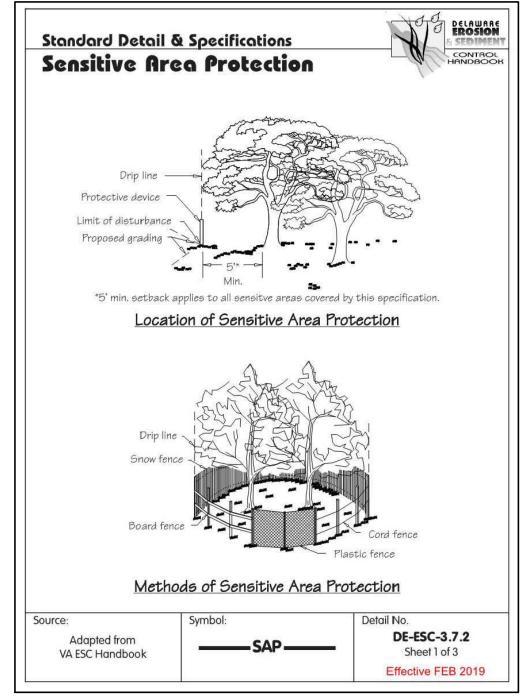
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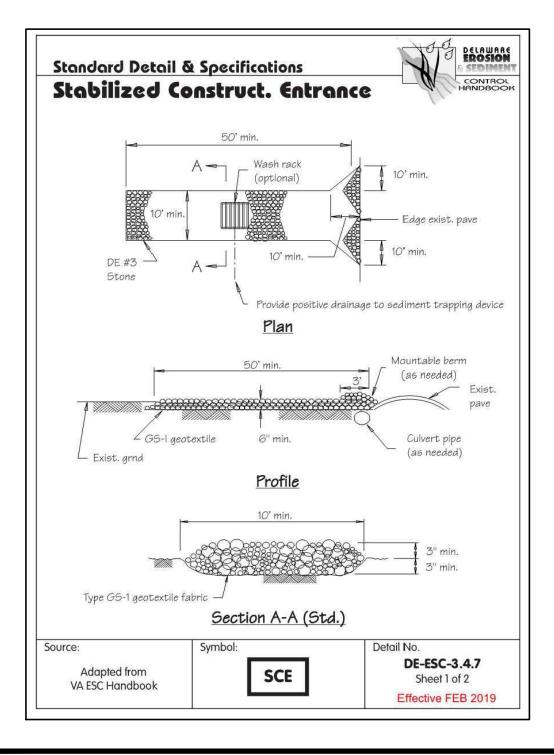
ate concrete mixing a rvice with a minimum hly active construction nimum volume for inst king capacity. The inst king unit, and be surro compact log	10 foot wide gro area causing o	avel or paved ac	
king capacity. The inst king unit, and be surro		accidental dama	
compost log	alled containm	ent area must er	ncompass the s
e 10-mil poly liner must event puncturing. The l ckside using cement o	liner shall cove	r the perimeter co	ontrol and be s
ow cementitious waste ility has reached 75 pe broken aggregate on buried on site with mit	ercent of its cap site, recycling,	acity, remove the or disposing of o	e hardened cor Iffsite. The hard
ply a new liner before curred.	reusing the sta	tion for additionc	ıl mixing after ı
	Symbol:		Detail
	dapted from		



	BECKER MORGAN G R O U P ARCHITECTURE C R O U P ARCHITECTURE ENGINEERING Discover, De 19904 302.734.7950 Mo Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 Maryland 312 West Main Street, Suite 300 Salisbury, MD 21801 410.546.9100 Moth Carolina 333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 Www.beckermorgan.com
Standard Detail & Specifications Exercise Compost Log Sediment Trap Exercise 10. The compost medium in the logs will be dispersed on sile once the upgrade disturbed area has been permanently stabilized and approval is granted by the local delegated agency to remove the trap. The compost medium may be dispersed with a loader, rake, bulldozer or similar device and may be incorporated into the soil as an amendment or left on the soil surface to aid in permanent seeding or landscaping. The compost log mesh netting must be extracted and disposed of properly. In the case where biodegradable mesh netting must be extracted and disposed of properly. In the case where biodegradable mesh netting has been used, the netting may remain incorporated with the compost medium when being spread on site. Matterials 9. States: 2" x 2" x 36" hardwood. 1. States: 2" x 2" x 36" hardwood. 1. Filter sock: See requirements in Standard Detail and Specifications for Compost Logs (DE-ES-3.1.7). 2. Filter sock: See requirements in Standard Detail and Specifications for Compost Logs (DE-ES-3.1.7). 1. Rebar: 1/2" nominal.	PROJECT TITLE LANDS OF STATE OF DELAWARE
MAXIMUM DRAINAGE AREA: 5 ACRES Source: Symbol: Adapted from Filtrexx TM International CST Detail No. DE-ESC-3.1.3.4 Sheet 3 of 3 Effective FEB 2019	BELMONT HALL 217 SMYRNA LEIPSIC RD TOWN OF SMYRNA KENT COUNTY, DE SHEET TITLE EROSION AND SEDIMENT CONTROL PLAN
	ISSUE BLOCK







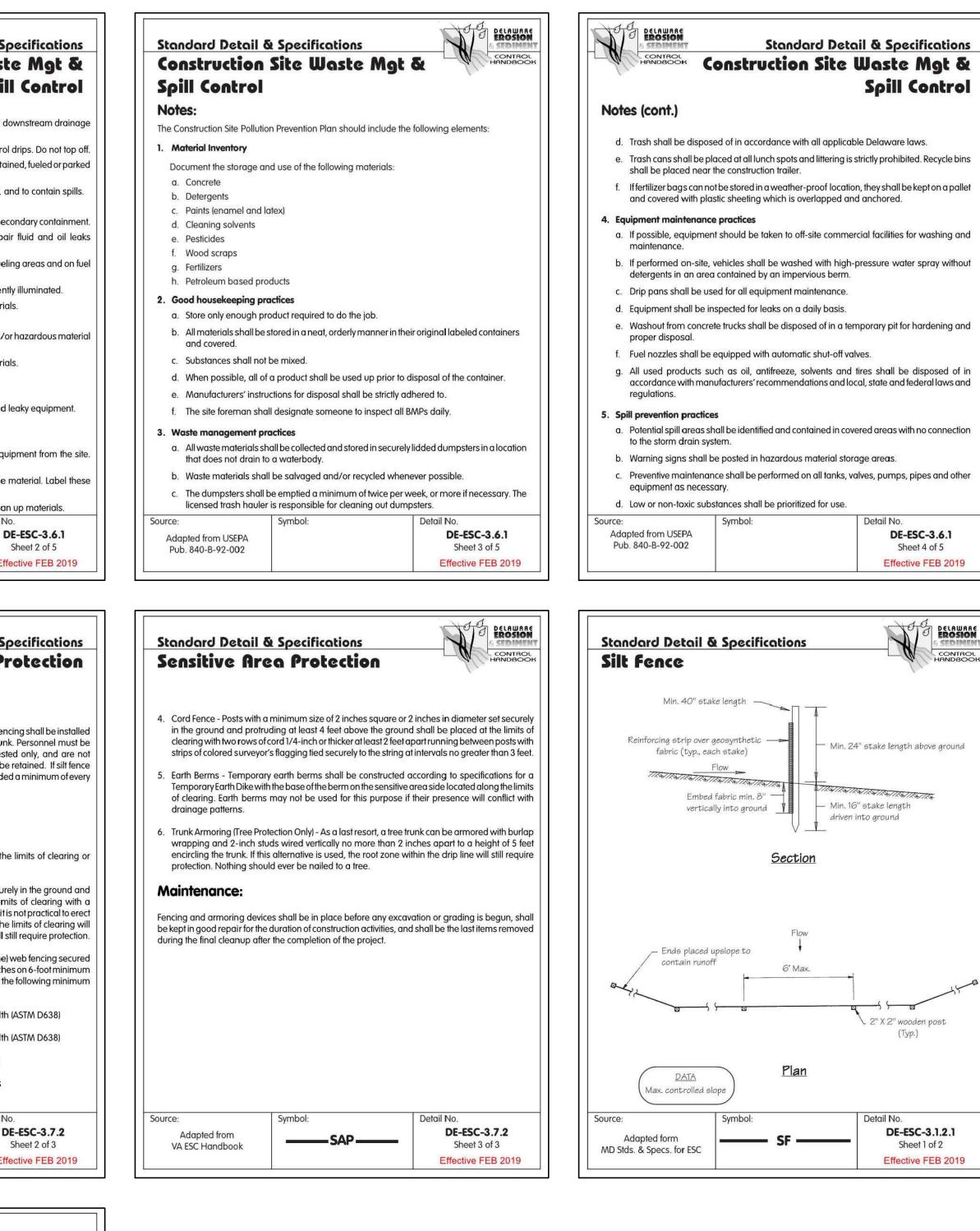
	Delaware EROSION SEDIMENT Standard Deta	il & Soe
	HANDBOOK Construction Site	
		Spill
	Pollution Prevention – Spill Prevention	
	 Fueling should only take place in signed designated areas, aw facilities and watercourses. 	ay from dowr
	 Fueling must be with nozzles equipped with automatic shut-off 	to control dri
	 Protect the areas where equipment or vehicles are being repaire from storm water run-on and runoff. 	d, maintainea
	4. Use barriers such as berms to prevent storm water run-on and	d runoff, and
	 Place a "Fueling Area" sign next to each fueling area. Store hazardous materials such as fuel, solvents, oil and chemi 	cals in second
	7. Inspect vehicles and equipment for leaks on each day of u	
	immediately. 8. Absorbent spill clean-up materials and spill kits must be availa	hle in fueling
	trucks.	ble in idening
	 If fueling is to take place at night, make sure the fueling area is Properly dispose of used oil, fluids, lubricants and spill clean-u 	
	CLEAN UP SPILLS	ip malenais.
	 If it is safe to do so, immediately contain and clean up any chem spills. 	ical and/or ho
	 Properly dispose of used oil, fluids, lubricants and spill clean-u 	p materials.
	3. Do not bury spills or wash them down with water.	
	LEAKS AND DRIPS 1. Use drip pans or absorbent pads at all times. Place under and	d around leal
	 Do not allow oil, grease, fuel or chemicals to drip onto the group 	
	3. Have spill kits and clean up material on-site.	1
	 Repair leaky equipment promptly or remove problem vehicles Clean up contaminated soil immediately. 	s ana equipm
	 Store contaminated waste in sealed containers constructed or containers properly. 	f suitable mat
	 Clean up all spills and leaks. Promptly dispose of waste and s 	pent clean up
	Source: Symbol:	Detail No. DE-I
	Delaware ESC Handbook	She
		Effecti
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	Delaware	
t	Delaware EROSION SEDIMENT CONTROL	2004 Sec. 197
	Delaware EROSION CONTROL HANDBOOK Sensitive Are	2004 Sec. 197
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		2004 Sec. 197
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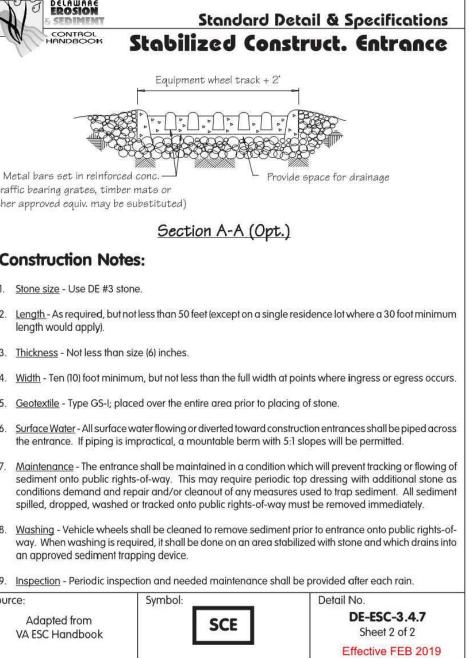
Construction	Notes:

Stone size - Use DE #3 stone.

Source:

- Length As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum
- length would apply).
- . Thickness Not less than size (6) inches.
- 4. Width Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- . <u>Geotextile</u> Type GS-I; placed over the entire area prior to placing of stone.
- the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- Maintenance The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- Washing Vehicle wheels shall be cleaned to remove sediment prior to entrance onto public rights-ofway. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- 9. Inspection Periodic inspection and needed maintenance shall be provided after each rain.
- Adapted from SCE VA ESC Handbook





Standard Detail	& Specifications		Den T	
	Site Waste M		OC OC	
Spill Control		- •		
Notes (cont.)				
e. Contact information be prominently pos		NREC 24-Hour Toll Free Number sha	an l	
 Education Best management progress meetings. 		ution control shall be a part of regula	Ir	
b. Information regardi		ent maintenance and spill prevention er.	n	
	CONTACT INFORMATI	ON		
DNREC 24-Hour Toll F	1. 1999 - 1991	800-662-8802		
DNREC Solid & Hazard	dous Waste Management Sect	tion 302-739-9403		
	- I			
ource: Adapted from USEPA	Symbol:	Detail No. DE-ESC-3.6.1		
ource: Adapted from USEPA Pub. 840-B-92-002	Symbol:	The second s		
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Adapted from USEPA Pub. 840-B-92-002	Standard Construction Deta	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence		
Adapted from USEPA Pub. 840-8-92-002	Standard	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence		
Adapted from USEPA Pub. 840-B-92-002	Standard Construction Deta	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence		
Adapted from USEPA Pub. 840-8-92-002	Standard Construction Deta Staple Section B Top	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence		
Adapted from USEPA Pub. 840-B-92-002	Standard Construction Deta Staple Section B Top	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence I Method for joining continuous sections		
Adapted from USEPA Pub. 840-B-92-002	Standard Standard Construction Deta Staple Section B Top Top Section B Top Section B	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence I Method for joining continuous sections		
Adapted from USEPA Pub. 840-B-92-002	Standard Standard Construction Deta Staple Section B Top Top Iotes: to be fastened securely to fence of filter cloth adjoin each other be performed as needed and r	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence I Method for joining continuous sections		
Adapted from USEPA Pub. 840-B-92-002	Standard Standard Construction Deta Staple Section B Top Top Iotes: to be fastened securely to fence of filter cloth adjoin each other be performed as needed and r	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence I Method for joining continuous sections		
Adapted from USEPA Pub. 840-B-92-002	Standard Standard Construction Deta Staple Section B Top Top Iotes: to be fastened securely to fence of filter cloth adjoin each other be performed as needed and r	DE-ESC-3.6.1 Sheet 5 of 5 Effective FEB 2019 Detail & Specifications Silt Fence I Method for joining continuous sections		

Source: Detail No. Symbol DE-ESC-3.1.2.1 Adapted from MD Stds. & Specs. for ESC Sheet 2 of 2 Effective FEB 2019

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PROJECT TITLE
LANDS OF STATE OF
DELAWARE
BELMONT HALL
217 SMYRNA LEIPSIC RD TOWN OF SMYRNA
KENT COUNTY, DE
EROSION AND SEDIMENT CONTROL
PLAN
ISSUE BLOCK
MARK DATE DESCRIPTION
DATE: 03/23/2023
SCALE:NONEDRAWN BY:J.D.M.PROJ. MGR.:B.L.H.



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Standard Detail (& Socifications	Delawaae EROSION	Belaware EROSION	Stondord	Detail & Spa
Topsoiling	a specifications	CONTROL HANDBOOK	CONTROL HANDBOOK	Stellocito	To _l
			Construction	Notes (cont.)	
Construction Note	es:		a Materials - Tops	oil shall be a loam, sandy loam, cl	lav loam, silt loam,
 diversions, grade stabilities a. Grading - Grades or shall be maintained. b. Liming - Where the limestone shall be sp feet). Lime shall be d in conjunction with the c. Tilling - After the area to dumping and spre- scarifying to a depth of 	maintain needed erosion an ization structures, berms, dike n the areas to be topsoiled wh topsoil is either highly acid pread at the rate of 4-8 tons/a distributed uniformly over desi illage operations as described as to be topsoiled have been be eading the topsoil, the subgro of a least 3 inches to permit bo	rought to grade, and immediately prior ade shall be loosened by discing or by nding of the topsoil to the subsoil. Pack	loamy sand or of a mixture of cont of cinders, stone materials larger of bermudagras specified. All top pH and soluble s by weight is requ with the topsoil to than 500 parts p <u>Note</u> : No sod or see chemicals used for v materials.	her soil as approved by an agrono rasting textured subsoil and contai s, slag, coarse fragment, gravel, sti han 1-1/2 inches in diameter. Topso soil shall be tested by a reputable lo alts. A pH of 6.0 to 7.5 and an orgar ired. If pH value is less than 6.0 lim o adjust the pH to 6.5 or higher. Top er million shall not be used. ed shall be placed on soil which has yeed control until sufficient time has	mist or soil scientist in no more than 5 pi icks, roots, trash or oil must be free of plo edge, poison ivy, this aboratory for organ nic content of not less ne shall be applied of psoil containing solu as been treated with elapsed to permit d
	zer up and down over the ent heck slots to prevent topsoil fr	tire surface area of the slope to create om sliding down the slope.	(4) inches. Spred proceed with a m	ding shall be performed in such a r inimum of additional soil preparatic from topsoiling or other operations	manner that soddin on and tillage. Any ir
2. Topsoil Material and A	pplication		the formation of a	lepressions or water pockets. Topsc ion, when the subgrade is excess	oil shall not be placed
standards as set forth in no more than the depth	n these specifications. The de a described as a representativ	n be used but it should meet the same pth of topsoil to be salvaged shall be re profile for that particular soil type as cooperation with Delaware Agricultural	<u>Note</u> :Topsoil substite scientist, may be us percentage of organ Compostamendment goals shall further m	rimental to proper grading and sec utes or amendments as approved and in lieu of natural topsoil. Con ic matter shall be provided by a ce s that are intended to meet specific post eet the requirements of Appendix 3 tandards and Specifications, Section	d by a qualified ag npost material use ertified supplier. st-construction stormw 3.06.2 Post Constru
Source:	Symbol:	Detail No.	Source:	Symbol:	Detail No.
USDA - NRCS		DE-ESC-3.4.1 Sheet 1 of 2	USDA - NRCS		DE- Sł
		Effective FEB 2019			Effec
CONTROL HANDBOOK 1. Site Preparation	Vegetal	Detail & Specifications tive Stabilization	Mulching 1. Materials and Amounts	il & Specifications	
		control practices such as diversions, grade	pounds (two bales) pe	e unrotted small grain straw applied at the er 1,000 square feet. Mulch materials sha	all be relatively free of w
	s, berms, dikes, grassed waterwo ping is not necessary for tempor		mechanically. For uni	ch as; thistles, Johnsongrass, and quac form distribution of hand spread mulch, ce 70-90 pounds (two bales) of mulch in	divide area into appro
2. Seedbed Preparation			b. <i>Wood chips</i> - Apply a	t the rate of approximately 6 tons per acr	re or 275 pounds per 1,
seedbed should be well pre		success of establishing vegetation. The flarge clods, rocks, and other objectionable sted.	chips are used, increa of 10-10-10 or 66 pou	easible. These are particularly well suite ase the application rate of nitrogen fertili nds of 30-0-0 per acre). <i>mulch</i> -The following conditions apply t	izer by 20 pounds of N
3 Soil Amendments			111 - 1 61	and a state of the	27 112135 3312
the approved nutrient	management plan. If a nutrient the rate of 1 to 2 tons per acre. A	ndations of a soil test in accordance with I management plan is not required, apply Apply limestone uniformly and incorporate	uniform equipme 30% pap	per mulch shall consist of specially prep state, is packaged for sale as a hydro ent, and consists of a minimum of 70% v per fiber and additives. fiber mulch shall consist of any hydraulic	aulic mulch for use w virgin or recycled woo

- Seeding
- a. For temporary stabilization, select a mixture from Sheet 1. For a permanent stabilization, select a mixture from Sheet 2 or Sheet 3 depending on the conditions. Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.
- b. Apply seed uniformly with a broadcast seeder, drill, cultipacker seeder or hydroseeder. All seed will be applied at the recommended rate and planting depth.
- c. Seed that has been broadcast should be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used and the seed and fertilizer is mixed, they will be mixed on site and the seeding shall be done immediately and without interruption.
- 5. Mulching

All mulching shall be done in accordance with detail **DE-ESC-3.4.5**.

Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.4.3
		Sheet 4 of 4 Effective FEB 2019

iv.	for use on the approv	5	nen hydraulically applied mulch has been specified ter Plan, or supplemental approval from the plan a specific area.
Source:		Symbol:	Detail No.
Delawa	e FSC Handbook		DE-ESC-3.4.5

per manufacturers recommendations to ensure the proper results.

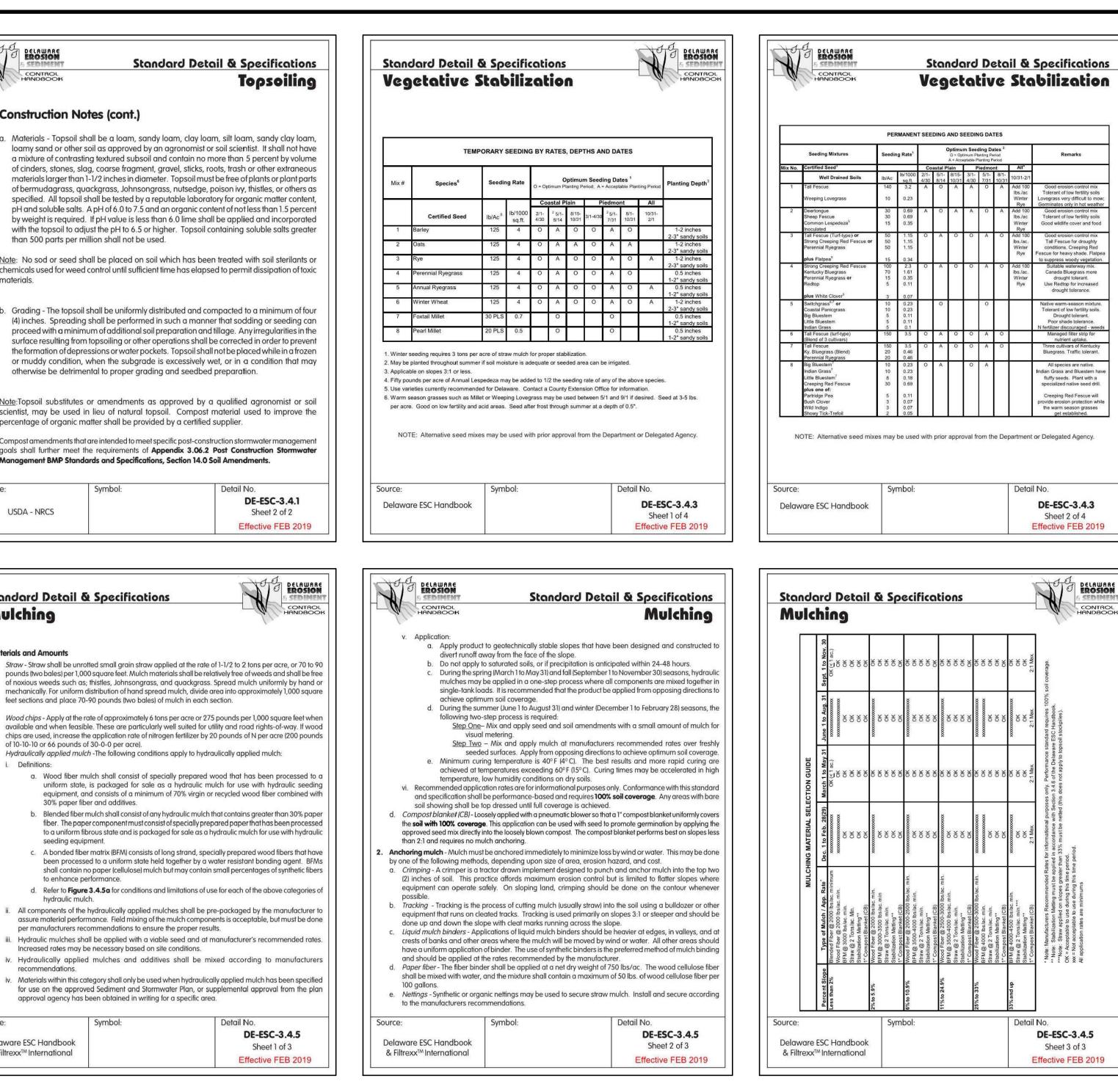
Increased rates may be necessary based on site conditions.

to enhance performance.

hydraulic mulch.

recommendations.

& Filtrexx[™] International

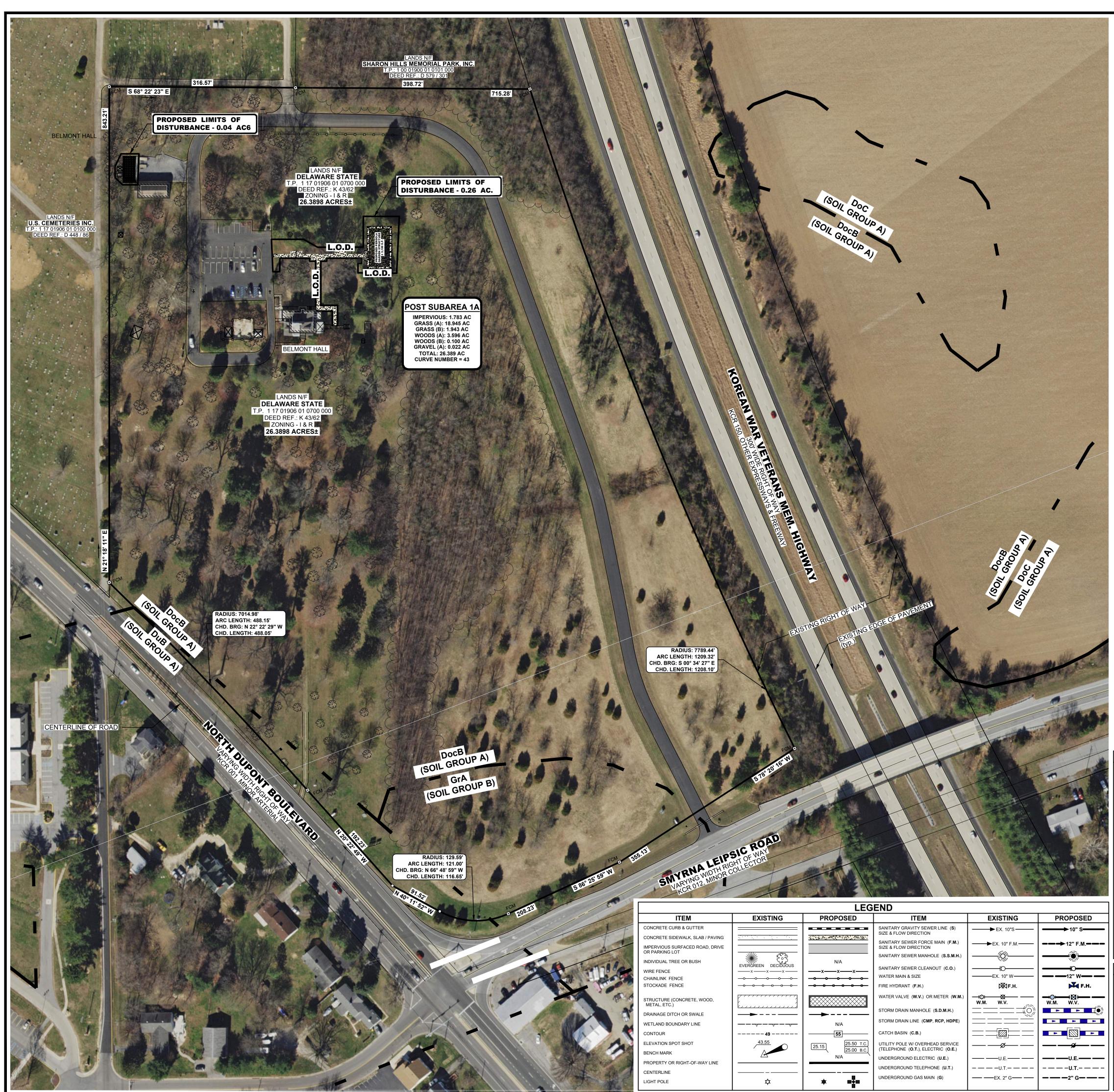


	PERMANENT SEE				u v	
Seeding Mixtures	Seeding Rate ¹	Optim 0 = 0	um Seedin ptimum Plan	ng Dates ²	.)	Remarks
No. Certified Seed ³ Poorly Drained Soils		A = Ac Coastal Plain 2/1- 5/1- 8/15	Ceptable Plan	edmont 5/1- 8/1-	All ⁴	
9 Redtop Creeping Bentgrass Sheep Fescue	10/AC sq.ft. 4 75 1.72 35 0.8 30 0.69	/30 8/14 10/3 O A O	0 0	7/31 10/31 A O	Add 100 Ibs./ac. Winter	Quick stabilization of disturbed sites and waterwa
Rough Bluegrass 10 Reed Canarygrass ⁶	45 1 10 0,23	A 0	A	0	Rye	Good erosion control, wildli cover and wetland revegetati
Residential Lawns 11 Tall Fescue Perennial Ryegrass	100 2.3 25 0.57	0 A 0	0	A O		High value, high maintenand light traffic, irrigation necessa
Kentucky Bluegrass Blend	30 0.69 100 2.3	0 A 0	0	A O		Well drained soils, full sun Moderate value,
Perennial Ryegrass Sheep Fescue 13 Creeping Red Fescue	25 0.57 25 0.57 50 1.15		0	A O		low maintenance, traffic tolerant Shade tolerant,
Chewings Fescue Rough Bluegrass Kentucky Bluegrass 14 Creeping Red Fescue	50 1.15 20 0.4 20 0.4 50 1.15	0 A 0	0			moderate traffic tolerance moderate maintenance.
14 Creeping Red Fescue Rough Bluegrass or Chewings Fescue 15 K-31 Tall Fescue	90 2.1 150 3.5	0 A 0	0	A O		Shade tolerant, moisture tolerant. Monoculture, but performs w
NOTE: Alternative seed mi	ixes may be used t	vith prior app	oval fro	m the Dep	partment	or Delegated Agency.
	Symbol:				Detai	
ce: elaware ESC Handbook condord Detail Oust Contro mporary Methods:	& Specifi		Rech L	cificatio		DE-ESC-3.4.3 Sheet 3 of 4 Effective FEB 201
elaware ESC Handbook Condard Detail Dust Contro mporary Methods: Mulches - See DE-ESC Vegetative cover - See I Adhesives - Use on min	& Specifi -3.4.5, Standa DE-ESC-3.4.3, neral soils only	'd Detail ar Std. Detail ((not effectiv	id Spe ind Sp e on n	ecification	ns for <i>I</i>	DE-ESC-3.4.3 Sheet 3 of 4 Effective FEB 201
elaware ESC Handbook andard Detail Dust Contro mporary Methods: Mulches - See DE-ESC Vegetative cover - See I	& Specifi -3.4.5, Standa DE-ESC-3.4.3, neral soils only	'd Detail ar Std. Detail ((not effectiv	id Spe ind Sp e on n	ecification	ns for <i>I</i>	DE-ESC-3.4.3 Sheet 3 of 4 Effective FEB 201
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elaware ESC Handbook Control Control Control Mulches - See DE-ESC Vegetative cover - See I Adhesives - Use on min The following table ma Type of Emulsion	& Specifi -3.4.5, Standar DE-ESC-3.4.3, neral soils only be used for <u>c</u> on	d Detail ar Std. Detail a (not effectiv eneral gui Water <u>Dilution</u>	id Spe ind Sp e on n dance	ecificationuck soi	ns for A ons for Is). Kee	DE-ESC-3.4.3 Sheet 3 of 4 Effective FEB 201
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PROJECT TITLE LANDS OF STATE OF
DELAWARE
BELMONT HALL
217 SMYRNA LEIPSIC RD TOWN OF SMYRNA
KENT COUNTY, DE SHEET TITLE EROSION AND
SEDIMENT CONTROL PLAN
ISSUE BLOCK
MARK DATE DESCRIPTION
MARK DATE DESCRIPTION LAYER STATE: C-502 2022035.00 PROJECT NO.: 2022035.00 DATE: 03/23/2023
SCALE: NONE DRAWN BY: J.D.M. PROJ. MGR.: B.L.H.

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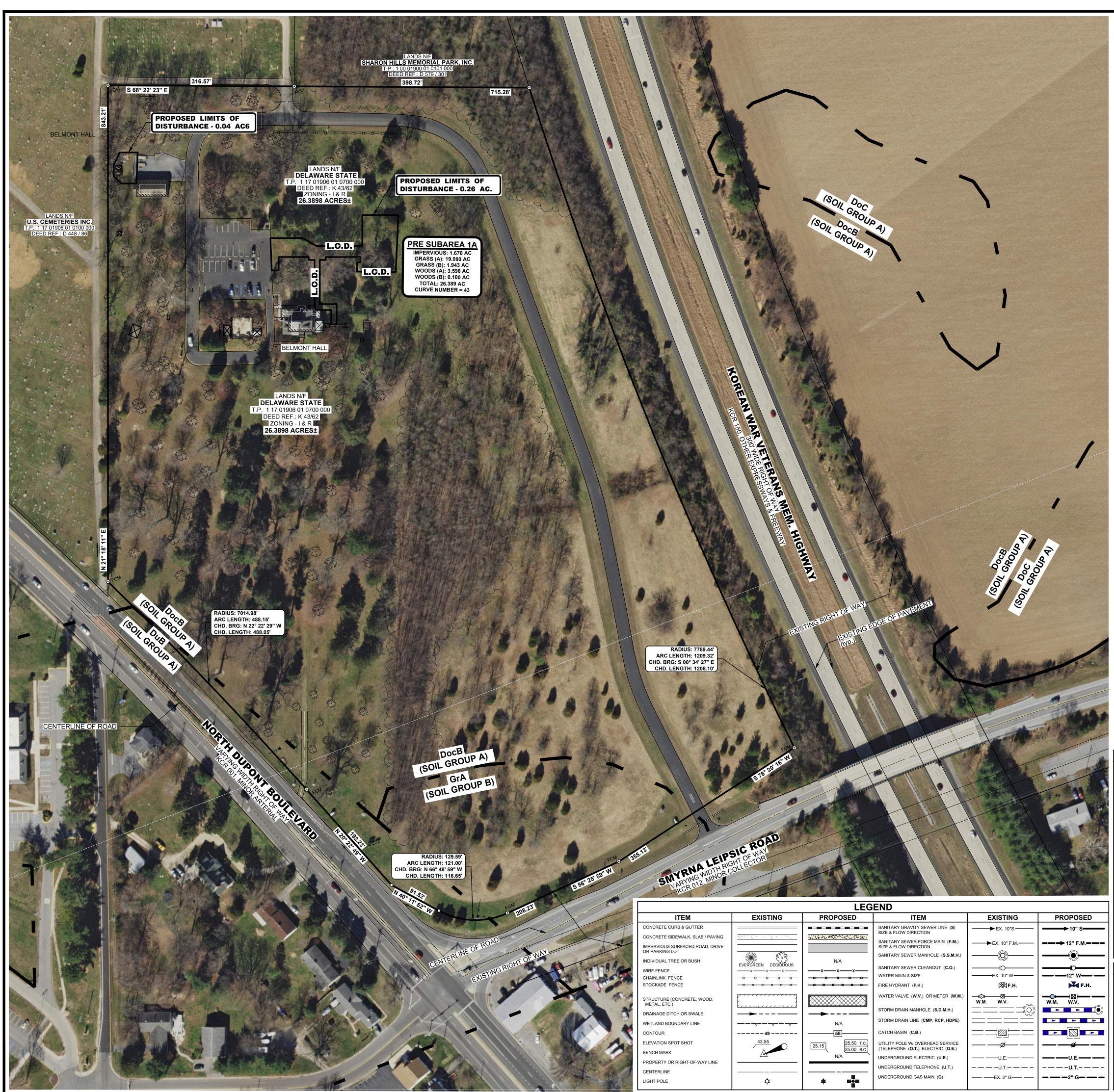
Still State		<u>~_~~~</u>
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25.15		25.50 Т.С 25.00 В.С
	N/A	
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ITEM	
NITARY GRAVITY SEWER LINE (S) E & FLOW DIRECTION	-
NITARY SEWER FORCE MAIN (F.M.) E & FLOW DIRECTION	-
NITARY SEWER MANHOLE (S.S.M.H.)	-
NITARY SEWER CLEANOUT (C.O.)	-
TER MAIN & SIZE	-
E HYDRANT (F.H.)	
TER VALVE (W.V.) OR METER (W.M.)	-
DRM DRAIN MANHOLE (S.D.M.H.)	-
DRM DRAIN LINE (CMP, RCP, HDPE)	-
TCH BASIN (C.B .)	_
LITY POLE W/ OVERHEAD SERVICE LEPHONE (O.T.), ELECTRIC (O.E .)	-
DERGROUND ELECTRIC (U.E.)	-

PROPUSE
───►10" S
━━━━ 12" F.M.
12 W F.
%
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— — —2" G—

			x		
	SITE DATA 1. OWNER OF RECORD	SOIL MAP TA DELAWARE' DoC : DOWNER DocB : DOWNEF DuB: DOWNER- GrA : GREENWIG LO: LONGMARS	GrA URVEY MAP SCAL AKEN FROM "SOIL SURVEY, K ', MAP NO. 18 & 22 SANDY LOAM 5 TO 10 PERCENT SLO CH LOAM 0 TO 2 PERCENT SLOPES SH AND INDIANTOWN SOILS, FREQUE OF DELAWARE C/O DNREC	PES PES CENT SLOPES	BECKERR BORGAL BORGAL BORDAL BORDAL BORDALARCHITECTURE BORDAL BORDAL DOVERDE ERING DOVER, DE 19904 302.734.7950309 South Governors Avenue Dover, DE 19904 302.734.7950309 South Governors Avenue Dover, DE 19904 302.734.7950The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700312 West Main Street, Suite 300 Salisbury, MD 21801 410.546.91003133 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600www.beckermorgan.com
	2. ENGINEER / SURVE	DOVER	R MORGAN GROUP INC.		
		309 SO DOVER	UTH GOVERNORS AVE. , DELAWARE 19904		
	3. PROPERTY LOCATIO		I-7950 YRNA LEIPSIC RD, SMYRNA, DE 1997 DE_N 39° 17' 40.40" GRS80 - NAD83 (2		
	4. TAX PARCEL NUMB	LONGIT	FUDE W 75° 35' 46.47" GRS80 - NAD83 906-01-0700-00001	,	
	 DEED REFERENCE SITE AREA SUMMAR 	: D.R. K4			
	7. TOTAL DISTURBED		SF (0.302 ACRES)		
	8. PERVIOUS AREA:	EXISTIN PROPO	SED: 1,070,879 S.F. (24.59 A.C.		
	9. IMPERVIOUS AREA: 10. ZONING CLASSIFIC/	PROPO			
	11. PRESENT USE:		JTIONAL NAVD 88 - X NAD 83 (2011) DSP - X		
	12. ROAD CLASSIFICAT		DUPONT BOULEVARD - MINOR ARTE A LEIPSIC - MINOR COLLECTOR (40 M		
	13. DelDOT TID: 14. INVESTMENT LEVEL		L OUTSIDE OF DeIDOT TID L OUTSIDE INVESTMENT AREAS		
	15. SURVEY DATUM:	NGS M VERTIC HORIZO			
	16. SURVEY UNIT:	LINEAR	I: US SURVEY FOOT AR: DEGREES MINUTES SECONDS (E	DMS)	
	17. MONUMENTATION:		DINATE: GROUND ID / X SET		
	18 WATERSHED AREA: 19. MAJOR BASIN:		IA RIVER ARE BAY		PROJECT TITLE
			Y TABLE		LANDS OF
-	SUBAREA	POA	TOTAL AREA	RCN	STATE OF DELAWARE
	POST DA-1A	_			
		N/A	26.39 ± ACRES	43	
	STORMWATE			43	BELMONT HALL
				43	BELMONT HALL
	STORMWATE			43	BELMONT HALL
	STORMWATE		END N/A (SOIL GROUP B)	43	BELMONT HALL 217 SMYRNA LEIPSIC RD
	STORMWATE SUBAREA BOUNDARY TC FLOW PATH SOIL BOUNDARY	R LEGE	END N/A (SOIL GROUP B)	IL GROUP C)	
	STORMWATE SUBAREA BOUNDARY TC FLOW PATH SOIL BOUNDARY	R LEGE	END N/A (SOIL GROUP B) (SO	IL GROUP C)	217 SMYRNA LEIPSIC RD TOWN OF SMYRNA
	STORMWATE SUBAREA BOUNDARY TC FLOW PATH SOIL BOUNDARY EROSION & S LIMIT OF DISTURBANCE SILT FENCE	R LEGE EDIMEN L.o.n	END N/A (SOIL GROUP B) (SOI (SOIL GROUP B) (SOI (SOIL GROUP B) (SOI (SOI (SOIL GROUP B) (SOI (SOIL GROUP B) (SOI (SOI (SOIL GROUP B) (SOI (SOI (SOIL GROUP B) (SOI	IL GROUP C)	217 SMYRNA LEIPSIC RD TOWN OF SMYRNA KENT COUNTY, DE SHEET TITLE POST DEVELOPED
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	SITE DATA 1. OWNER OF RECOR 2. ENGINEER / SURVE 3. PROPERTY LOCATI 4. TAX PARCEL NUMB 5. DEED REFERENCE 6. SITE AREA SUMMAN 7. TOTAL DISTURBED	SOIL MAP TA DELAWARE' DoC : DOWNER DoC : DOWNER GrA : GREENWIG LO: LONGMARS DOVER YOR: BECKEI 309 SOI DOVER 302-734 ON: 217 SM LATITU LONGIT ER: 1-17-01 : D.R. K4 RY: 26.3898	GrA GrA GrA GrA GrA GrA GrA GrA	DoC DoC DoC DoC DoC DoC DoC DoC DoC DoC	BECKERR MORGAN G R O U PG R O U PARCHITECTURE ENGINEERING Dover, DE 19904 302.734.7950309 South Governors Avenue Dover, DE 19904 302.734.7950The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700Maryland 12 West Main Street, Suite 300 Salisbury, MD 21801 410.546.9100333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600www.beckermorgan.com
	 TOTAL DISTURBED PERVIOUS AREA: 	AREA: 13,250 S EXISTIN PROPO	NG: 1,076,803 S.F. (24.72 A		
	9. IMPERVIOUS AREA	EXISTIN PROPO	NG: 72,745 S.F. (1.67 A.C. DSED: 78,625 S.F. (1.80 A.C.		
	10. ZONING CLASSIFIC. 11. PRESENT USE:		INSTITUTIONAL AND RECREATION UTIONAL NAVD 88 - X NAD 83 (2011) DSP		
	12. ROAD CLASSIFICAT	SMYRN	H DUPONT BOULEVARD - MINOR A NA LEIPSIC - MINOR COLLECTOR (
	13. DelDOT TID:14. INVESTMENT LEVEI15. SURVEY DATUM:	L: PARCE	EL OUTSIDE OF DeIDOT TID EL OUTSIDE INVESTMENT AREAS ONUMENTS		
	16. SURVEY UNIT:		ONTAL: R: US SURVEY FOOT		Ý \
	17. MONUMENTATION:	COORD	.AR: DEGREES MINUTES SECOND DINATE: GROUND ND / X SET	S (DMS)	
	18 WATERSHED AREA 19. MAJOR BASIN:	: SMYRN	NARIVER		
	-	DELAW	/ARE BAY		
	S		RY TABLE		PROJECT TITLE LANDS OF STATE OF
	SUBAREA	UMMAR POA	RY TABLE TOTAL AREA	A RCN	
	SUBAREA PRE DA-1A	UMMAR POA N/A	RY TABLE TOTAL AREA 26.39 ± ACRES	A RCN 43	LANDS OF STATE OF
	SUBAREA	UMMAR POA N/A	RY TABLE TOTAL AREA 26.39 ± ACRES		LANDS OF STATE OF DELAWARE
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	SUBAREA PRE DA-1A STORMWATE SUBAREA BOUNDARY TC FLOW PATH SOIL BOUNDARY	UMMAR POA N/A R LEGE EDIMEN	RY TABLE TOTAL AREA 26.39 ± ACRES END N/A (SOIL GROUP B)	43 (SOIL GROUP C) LEGEND L.O.D. –	LANDS OF STATE OF DELAWARE BELMONT HALL 217 SMYRNA LEIPSIC RD TOWN OF SMYRNA
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NOTES

GOVERNING CODES

DESIGN LOADS

THIS PROJECT SHALL COMPLY WITH THE **"INTERNATIONAL BUILDING CODE", INTERNATIONAL CODE** COUNCIL, INC., 2018 EDITION, INCLUDING SPECIFICATIONS REFERENCED WITHIN. USE FERENCED OR LATEST EDITIONS UNLESS NOTED OTHERWISE. MANUFACTURER SPECIFICATION AND LOCAL CODE REQUIREMENTS, WHEN IN EXCESS OF MINIMUM SPECIFICATION, SHALL CONTROL.

DESIGN LOADS FOR THIS PROJECT ARE LISTED IN THE DESIGN LOAD TABLE BELOW BASED UPON "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, (ASCE/SEI 7)", AMERICAN SOCIETY OF CIVIL ENGINEERS. DESIGNICADS

		DESIGN	LOADS			
AREA	DEAD L	OAD (PSF)	LIVE LOAD (PSF)	ΤΟΤΑ	TOTAL LOAD (PSF)	
FIRST FLOOR SLAB		20	150		170	
ROOF		20	20		40	
SNOW LOAD DE	SIGN	DATA	SEISMIC LOA	D DES	IGN	DATA
GROUND SNOW LOAD	Pg	25 PSF	SITE CLASS		-	D
RAIN ON SNOW SURCHARGE	-	0 PSF	RISK CATEGORY		-	I
FLAT-ROOF SNOW LOAD	Pf	16.8 PSF	IMPORTANCE FACTO	R	I _e	1
SNOW EXPOSURE FACTOR	Ce	1	MAPPED SPECTRAL RESPONSE ACCELERAT		Ss	0.142
SNOW LOAD IMPORTANCE FACTOR	ls	0.8	MAPPED SPECTRAL RESPONSE ACCELERAT	-	S,	0.042
THERMAL FACTOR	Ct	1.2	DESIGN SPECTRAL RESPONSE ACCELERAT		S_{DS}	0.151
ADDITIONAL LOADS DUE TO S			DESIGN SPECTRAL RESPONSE ACCELERAT		S _{D1}	0.068
ORIFT AND SLIDING SNOW HA		N	SEISMIC DESIGN CATEG	IORY	-	В
	SIGN F	ΔΤΑ	BASIC STRUCTURAL SYS	БТЕМ	POST	& BEAM
			BASIC SEISMIC FORCE RESISTING SYSTEM		CANTILEVERED TIMBER FRAME	
WIND SPEED	V ut Vasd	110 MPH 86 MPH	SEISMIC RESPONSE COEFFICIENT		Cs	0.101
RISK CATEGORY	V _{asd}		RESPONSE MODIFICAT	ION	R	1.5
			ANALYSIS PROCEDUR	RE		LATERAL
WIND EXPOSURE CATEGORY	- C		DESIGN BASE SHEAR		7	

WOOD

DOC PS-1.

WOOD AND TIMBER CONSTRUCTION SHALL COMPLY WITH REFERENCED OR LATEST EDITIONS OF THE FOLLOWING STANDARDS: 1) NATIONAL FOREST PRODUCTS ASSOCIATION: "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION " 2) AMERICAN INSTITUTE OF TIMBER CONSTRICTION: "TIMBER CONSTRUCTION MANUAL." 3) AMERICAN PLYWOOD ASSOCIATION: "PLYWOOD DESIGN SPECIFICATION."

4) AMERICAN WOOD PRESERVERS ASSOCIATION STANDARDS STRUCTURAL TIMBER SHALL BE STAMPED WITH A GRADE MARK IN ACCORDANCE WITH DOC PS 20 WITH MOISTURE CONTENT TO BE 19% MAXIMUM.

8x8 P.T. POSTS SHALL BE S. PINE #2 OR BETTER

LVL'S (LAMINATED VENEER LUMBER) SHALL BE 1 3/4" WIDE, OF THE DEPTH SPECIFIED ON THE PLANS, AND SHALL BE SECURED TOGETHER AS DIRECTED BY THE MANUFACTURER. WOOD EXPOSED TO THE ELEMENTS, WOOD IN CONTACT WITH CONCRETE OR MASONRY, AND WOOD DESIGNATED "PRESERVATIVE TREATED" SHALL BE NO. 2 GRADE SOUTHERN PINE OR BETTER & PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA U1 FOR THE SPECIES. PRODUCT, PRESERVATIVE AND END USE. FIELD CUT ENDS, NOTCHES AND DRILLED HOLES OF P.T. WOOD SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4. PLYWOOD: APA EXPOSURE 1, GROUP 1 RATED SHEATHING, MIN, 4 PLY, MIN, SPAN RATING OF 32/16. U.N.O. USE 3/4" NOM. THICKNESS FOR FLOORS, 5/8" FOR ROOFS, AND 1/2" FOR WALLS. FOR LOORS, USE TONGUE-AND-GROOVE PLYWOOD GLUED AND SCREW-FASTENED. FOR ROOFS, USE PLYWOOD CLIPS AT ALL UNSUPPORTED BUTT JOINTS. PLYWOOD SHALL BE MARKED PER

LUMBER SCHEDULE (MINIMUM ALLOWABLE PROPERTIES)							
SPECIES	f _b (PSI)	fv (PSI)	E (KSI)	S.G.			
LVL	2,600	285	1,900	0.50			
LSL	1,700	400	1,300	0.50			
PSL (BEAM)	2,900	290	2,000	0.50			
PSL (COLUMN)	2,400	190	1,800	0.50			
GLULAM (24FV5 SP/SP)	2,400	165	1,700	0.50			
S.P.F. #2	875	135	1,400	0.42			
S. PINE #2		VARIES BY DIMENS	IONS	0.50			

MISCELLANEOUS ITEMS

RECOMMENDATIONS

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS AND PRECAUTIONS RELATED TO ALL WORK ON THIS PROJECT AND FOR THE PROTECTION OF PERSONS AND PROPERTY EITHER ON OR ADJACENT TO THE PROJECT AND SHALL PROTECT SAME AGAINST INJURY, DAMAGE OR LOSS.

THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE SUCH LOADS SHALL NOT EXCEED THE CAPACITY OF THE STRUCTURE AT ANY TIME THE STRUCTURAL INTEGRITY OF THE BUILDING IS DEPENDANT UPON COMPLETION ACCORDING TO PLANS AND SPECIFICATIONS. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION. THE METHOD OF CONSTRUCTION AND SEQUENCE OF OPERATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUPPLY ANY NECESSARY SHORING, BRACING, GUYS, ETC., TO PROPERLY BRACE THE STRUCTURE AGAINST WIND, DEAD AND LIVE LOADS UNTIL THE BUILDING IS COMPLETED ACCORDING TO THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL NOT PLACE BACK FILL AGAINST BASEMENT WALLS UNTIL THE FLOOR SYSTEM IS COMPLETELY INSTALLED OR CONTRACTOR HAS PROVIDED ADEQUATE SHORING AND BRACING. ANY QUESTIONS REGARDING TEMPORARY SHORING REQUIREMENTS SHOULD BE FORWARDED TO THE STRUCTURAL ENGINEER FOR REVIEW.

THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION, AND ANY TEMPORARY BRACING OR SUPPORT REQUIRED TO ACCOMMODATE THE CONTRACTOR'S MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS TO VERIFY ALL OPENING SIZES AND LOCATIONS WITH THE REQUIREMENTS OF

OTHER TRADES PRIOR TO FABRICATION AND ERECTION. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL. ELECTRICAL AND PLUMBING DRAWINGS. AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THE WORK OF ALL TRADES IS COORDINATED WITH ADJACENT

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING, FURNISHING, ERECTING AND REMOVING ANY TEMPORARY SHORING AND BRACING DURING CONSTRUCTION THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED AT THE PROPER TIME WHEN ALL ITEMS ARE READY FOR OBSERVATION. SUFFICIENT NOTICE SHALL BE GIVEN BY THE CONTRACTOR TO ALLOW

FOR SCHEDULING OF OBSERVATIONS SAFETY REGULATIONS SHALL BE STRICTLY FOLLOWED BY THE CONTRACTOR OR SUBCONTRACTOR DURING ALL TIMES OF WORK ON THIS PROJECT. THE ARCHITECT OR ENGINEER SHALL NOT HAVE

CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR ACTS OF OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

ALL SPECIALTY BOLTS, INCLUDING EXPANSION TYPE AND EPOXY TYPE ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. THE CONTRACTOR SHALL PROTECT FROM DAMAGES EXISTING BUILDING(S), OWNER EQUIPMENT. ROADS, WALKS AND UTILITIES. THE CONTRACTOR SHALL MAINTAIN THESE DURING THE COURSE OF THE WORK. AND SHALL REPAIR ALL DAMAGES AT NO ADDITIONAL EXPENSE TO THE OWNER. IN AREAS WHERE THE DRAWINGS DO NOT ADDRESS METHODOLOGY. THE CONTRACTOR SHALL BE BOUND TO PERFORM IN STRICT COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR

ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

THE GENERAL NOTES AND TYPICAL DETAILS APPLY THROUGHOUT THE JOB UNLESS OTHERWISE NOTED OR SHOWN. THE CONTRACTOR SHALL COMPARE AND COORDINATE ALL DRAWINGS. IF A DISCREPANCY EXISTS, HE SHALL PROMPTLY REPORT IT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE

IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED.

CONCRETE (CAST-IN-PLACE)

CONCRETE INSTITUTE

CONCRETE CONSTRUCTION SHALL COMPLY WITH REFERENCED OR LATEST EDITIONS OF THE FOLLOWING STANDARDS 1) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318", AMERICAN CONCRETE INSTITUTE

2) "ACI MANUAL OF CONCRETE PRACTICE - PARTS 1 THROUGH 5 ", AMERICAN CONCRETE INSTITUTE 3) "MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE 4) "ACI DETAILING MANUAL, SP-66", AMERICAN CONCRETE INSTITUTE. 5) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 301", AMERICAN

CONTRACTOR SHALL SUBMIT MIX DESIGNS IN ACCORDANCE WITH ASTM C94 ACCOMPANIED BY APPROPRIATE GRAPHS AND BACKGROUND DATA FOR APPROVAL. MIX DESIGN SHALL INDICATE 7 AND 28 DAYS STRENGTHS, CEMENT CONTENT, AIR CONTENT, WATER-CEMENT RATIO, AMOUNT OF FINE AND COARSE AGGREGATES, AND ADMIXTURES. CONCRETE SHALL BE MADE IN ACCORDANCE WITH DESIGN MIXES WHICH ARE TO BE APPROVED BY THE ARCHITECT OR ENGINEER PRIOR TO CASTING ANY CONCRETE. MIXES SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE ACI 318.

USE OF ADDITIVES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER. USE OF ADDITIVES CONTAINING CALCIUM CHLORIDE SHALL NOT BE PERMITTED. HIGH-RANGE WATER REDUCING ADMIXTURES SHALL NOT BE USED IN AIR-ENTRAINED. CONCRETE WITHOUT WRITTEN APPROVAL FROM CONCRETE PROVIDER AND VERIFICATION THAT THE ADMIXTURES ARE APPROVED TO BE USED TOGERTHER. ADDITION OF WATER TO THE CONCRETE AT THE JOB SITE FOR THE PURPOSE OF INCREASING

THE SLUMP OR FOR RETEMPERING THE CONCRETE WHICH HAS BEGUN TO SET IS STRICTLY PROHIBITED. LIQUID-MEMBRANE CURING COMPOUNDS SHALL BE HIGH-SOLIDS, WATER AND ACRYLIC-BASED,

COMPLYING WITH ASTM C309 AS TESTED UNDER ASTM C156. REINFORCING BARS SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064. BARS SHALL BE BRANDED BY THE MANUFACTURER WITH BAR SIZE AND GRADE OF STEEL AND CERTIFIED MILL REPORTS SHALL BE SUBMITTED FOR RECORD. REINFORCING STEEL SHALL BE DETAILED FABRICATED, AND PLACED IN ACCORDANCE WITH ACI 318, ACI 315, AND CRSI STANDARDS

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064, GRADE 60. LAP WELDED WIRE FABRIC ONE FULL MESH AT ENDS AND SIDES.

ALL REINFORCING STEEL (INCLUDING WELDED WIRE FABRIC) SHALL BE SECURELY TIED AND ANCHORED IN PLACE TO PREVENT DISLOCATION DURING THE PLACING OPERATION. REINFORCING STEEL SHALL BE CLEAN OF MUD, DEBRIS, LOOSE RUST, CEMENT, GROUT, OR ANY OTHER MATERIAL WHICH MAY INHIBIT THE BOND BETWEEN THE STEEL AND CONCRETE. REINFORCEMENT INSTALLATION SHALL COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR PLACING AND SUPPORTING REINFORCEMENT.

PROVIDE CORNER BARS AT JUNCTIONS OF CONCRETE WALLS, GRADE BEAMS AND WALL FOOTINGS AND LAP WITH WALL REINFORCING AS SHOWN IN TYPICAL DETAILS. SIZE AND SPACING OF CORNER BARS TO BE SAME AS HORIZONTAL WALL REINFORCING, UNLESS SHOWN OTHERWISE WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AS NECESSARY. PROVIDE STANDARD HOOKS AT DISCONTINUOUS ENDS. PROVIDE DOWELS BETWEEN ALL FOOTINGS, WALLS AND PIERS TO MATCH SIZE AND SPACING OF VERTICAL REINFORCING. LAPS SHALL BE A MINIMUM OF 36 BAR DIAMETERS OR PER LAP TABLE. TENSION AND COMPRESSION LAP SPLICES SHALL NOT BE LESS THAN THE SPLICE LENGTHS AS GIVEN IN ACI-318. GENERALLY LAP TOP BARS AT MID SPAN AND

BOTTOM BARS AT SUPPORTS. PROVIDE PLACING ACCESSORIES IN ACCORDANCE WITH ACI RECOMMENDATIONS. REINFORCEMENT FOR SLABS ON GRADE SHALL BE SUPPORTED IN PLACE PRIOR TO PLACING CONCRETE. PLACE CONCRETE OVER 10 MIL. POLYETHYLENE VAPOR BARRIER AND 4 INCHES MINIMUM OR COURSE AGGREGATE OR AS RECOMMENDED BY GEOTECHNICAL ENGINEER. THE AGGREGATE LAYER SHALL BE PLACED OVER APPROVED SUBGRADE.

POUR SLABS ON GRADE IN ALTERNATE PANELS WITH A MAXIMUM OF 600 SF AND PROVIDE CONTROL AND KEYED CONSTRUCTION JOINTS AT 15'-0" MAXIMUM OR AS REQUIRED TO PREVENT UNCONTROLLED CRACKING, POUR CONCRETE INTO ISOLATION JOINTS AROUND COLUMN BASES AFTER SLAB ON GRADE IS POURED. CONCRETE FOR SLABS-ON-GRADE SHALL BE PLACED IN A SEQUENCE AND MANNER THAT IS CONSISTENT WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE. LOCATE CONSTRUCTION AND CONTROL JOINTS IN SUCH A WAY TO MINIMIZE THE EFFECTS OF SHRINKAGE OF THE CONCRETE SLAB SECTIONS. SUBMIT TO THE ARCHITECT/ENGINEER THE SEQUENCE AND METHOD OF CASTING CONCRETE SLABS-ON-GRADE PRIOR TO PLACING THESE ELEMENTS. DEPOSITE CONCRETE CONTINUOUSLY IN ONE LAYER. CONSOLIDATE CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT IN ACCORDANCE WITH ACI 301. SCREED SLAB SURFACES WITH A STRAIGHTEDGE AND STRIKE OFF TO CORRECT

ELEVATIONS. LEVEL CONCRETE, CUT HIGH AREAS AND FILL LOW AREAS. AREAS NOT EXPOSED TO PUBLIC VIEW SHALL RECIEVE AN AS-CAST FINISH IN ACCORDANCE WITH ACI 301 SF-1.0. WHERE AS-CAST FINISH IS USED, PATCH VOIDS LARGER THAT 1 1/2" WIDE OR 1/2" DEEP. REMOVE PROJECTIONS GREATER THAN 1", SURFACE TOLERANCE SHALL BE ACI 117 CLASS D. SLAB ISOLATION JOINTS: PROVIDE PRE-MOLDED JOINT FILLER AROUND ALL PIPING, PIERS AND

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ANCHOR BOLTS, CLIPS, INSERTS, CONNECTION PLATES, SLEEVES, SLOTS AND OTHER REQUIRED ITEMS IN ACCORDANCE WITH THE CONTRACT DRAWINGS, AND IN COOPERATION WITH OTHER TRADES PRIOR TO PLACING CONCRETE. USE SETTING DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS FURNISHED WITH ITEMS TO BE EMBEDED. INSTALL ANCHOR RODS ACCURATLY LOACATED, TO ELEVATIONS REQUIRED AND COMPLYING WITH TOLERANCES IN SECTION 7.5 OF ANSI/AISC 303

FOUNDATION WALLS.

AIR-ENTRAINER

HIGH-RANGE WATER

REDUCER

MIX PROPERTIES EXPOSURE fc (28 DAYS) MAXIMUM AIR w/cm CONTENT CHLORIDE-ION USAGE TYPE CLASS FOOTINGS 3.500 PSI 0.45 6% ± 1.5 GRADE BEAMS WEIGHT W0, C1 TIE BEAMS NORMAL F2, S0, EXTERIOR SLABS 3.500 PSI 0.45 6% ± 1.5 ON GRADE WEIGHT W0, C1 LIMIT PERCENTAGE BY WEIGHT OF CEMENTITIOUS MATERIALS OTHER THAN PORTLAND CEMENT IN CONCRETE AS FOLLOWS - FLY ASH OR OTHER POZZOLANS: 25% BY MAS - SLAG CEMENT: 50% BY MASS - SILICA FUME: 10% BY MASS TOTAL FLY ASH OR POZZOLANS, SLAG CEMENT, & SILICA FUME: 50% BY MASS, WITH FLY ASH OR POZZOLANS NOT EXCEEDING 25% BY MASS AND SILICA FUME NOT EXCEEDING 10% BY MASS -TOTAL OF FLY ASH OR OTHER POZZOLANS & SILICA FUME: 35% BY MASS WITH FLY ASH OR POZZOLANS NOT EXCEEDING 25% BY MASS AND SILICA FUME NOT EXCEEDING 10% BY MASS. MATERIALS MINIMUM CLEARANCES (COVER) FOR REINFORCEMENT PORTLAND CEMENT TYPE I/II FOOTING AND CONCRETE FLY ASH ASTM C618, CLASS C OR F CAST AGAINST EARTH ASTM C989/C989M. FORMED CONCRETE SLAG CEMENT GRADE 100 OR 120 EXPOSED TO EARTH OR SILICA FUME ASTM C1240 WEATHER AGGREGATES ASTM C33/C33M CLASS FORMED CONCRETE NOT (NORMAL WEIGHT) 1S, 2S, 3S, 4S, & 5S EXPOSED TO EARTH OR AGGREGATES ASTM C330/C33M CLASS WEATHER (LIGHT WEIGHT) 1S, 2S, 3S, 4S, & 5S (SLABS, WALLS & JOISTS) AGGREGATE SIZE 3/4" FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER ADDMIXTURES (BEAMS & COLUMNS) WATER REDUCER ASTM C494, TYPE A SLABS ON GRADE, W.W.F.

ASTM C260

ASTM C494, TYPE F

MAXIMUM 0.3 0.3

1-1/2" LESSER OF MID-DEPTH OR 2" BELOW

SURFACE

FRAMING NOTES FASTENERS: JOIST HANGERS, HURRICANE ANCHORS, POST BASES AND OTHER FRAMING ANCHORS ARE TO BE AS MANUFACTURED BY SIMPSON STONG-TIE, U.S.P., OR EQUAL, AND ARE TO BE USED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN SPECIFICATIONS. ALL FASTENERS TO BE

16 GA_MIN_UNLESS NOTED OTHERWISE_PROVIDE GALV_EINISH UNLESS NOTED OTHERWISE_JOIST HANGERS SHALL BE MIN 16 GA WITH SIZE AND PROFILE TO SUIT APPLICATION (U.N.O.) PROVIDE JOIST HANGERS FOR ALL FLUSH FRAMED JOISTS. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE Z-MAX COATED, U.N.O.

NO STRUCTURAL MEMBER SHALL BE OMITTED, NOTCHED, CUT, BLOCKED OUT OR RELOCATED WITHOUT PRIOR APPROVAL BY THE DESIGNER OR THE STRUCTURAL ENGINEER. DO NOT ALTER SIZES OF MEMBERS NOTED WITHOUT APPROVAL OF BOTH.

ALL MULTI-PLY LVL AND PSL BEAMS SHALL BE BOLTED WITH 5/8" DIA. BOLTS AT 16" O.C. STAGGERED (U.N.O.). MANUFACTURER TO PROVIDE AND DESIGN ALL LVL AND PSL BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS (U.N.O.).

ALL EXTERIOR EXPOSED WOOD SHALL BE SOUTHERN YELLOW PINE #2 PRESSURE TREATED w/ A RETENTION OF 0.4 pcf OF ALKALINE COPPER QUATERNARY (ACQ)

ALL HANGERS EXPOSED TO WEATHER OR IN CONTACT w/ P.T. LUMBER SHALL BE GALVANIZED (Z-MAX).

SUBGRADE & BASE

EARTHWORK AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE FOUNDATIONS AND SOILS INVESTIGATION (GEOTECHNICAL REPORT). IN LIEU OF A FOUNDATIONS AND SOILS INVESTIGATION THE REQUIREMENTS OF THESE SPECIFICATIONS SHALL APPLY. WHERE CONFLICTS EXIST THE MORE STRINGENT SHALL APPLY, UNLESS APPROVED IN WRITING BY THE GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER.

FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL HAVING AN ALLOWABLE BEARING CAPACITY OF 2000 PSF OR GREATER. THE CONTRACTOR SHALL VERIFY THE ASSUMED BEARING CAPACITY OF THE BEARING SOILS IN THE FOOTING EXCAVATION PRIOR TO CASTING ANY FOOTINGS. FOOTING EXCAVATION SHALL BE INSPECTED BY THE BUILDING OFFICIAL AND/OR REGISTERED SEOTECHNICAL ENGINEER PRIOR TO POURING CONCRETE. WRITTEN VERIFICATION SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER.

THE BOTTOM OF EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 2'-6" BELOW FINISH GRADE FOR FROST PROTECTION. THE BOTTOM OF INTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 1'-0" BELOW FINISH FLOOR

PLACE FOOTINGS ON FIRM, DRY, NON-FROZEN SUBGRADE. REMOVE SOFT SOILS ENCOUNTERED DURING EXCAVATION. SOILS, FOOTINGS, FOUNDATION WALLS AND SLABS SHALL NOT BE PLACED ON OR IN MARINE CLAY, PEAT OR OTHER ORGANIC MATERIALS.

ENGINEERED FILL SHALL BE PLACED IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. UNDER STRUCTURES, BUILDING SLABS, STEPS, AND PAVEMENTS, SCARIFY AND RECOMPACT TOP 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF BACKFILL OR FILL SOIL MATERIAL. COMPACT SOIL MATERIALS TO NOT LESS THAN 95% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D1557 (MODIFIED PROCTOR). ENGINEERED FILL SHALL BE BROUGHT TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT BEFORE COMPACTION. DO NOT PLACE BACKFILL OR FILL SOIL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.

BACKFILL TRENCHES EXCAVATED UNDER FOOTINGS AND WITHIN 18 INCHES OF BOTTOM OF FOOTINGS WITH SATISFACTORY SOIL; FILL WITH CONCRETE TO ELEVATION OF BOTTOM OF FOOTINGS. ENGINEERED FILL SHALL COMPLY WITH ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, OR SM, AASHTO M 145 GROUPS A-1, A-2-4, A-2-5, OR A-3, OR A COMBINATION OF THESE GROUPS; FREE OF ROCK

OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER. ENGINEERED FILL SHALL HAVE A LIQUID LIMIT OF 34 AND A PLASTICITY INDEX OF 7. SLABS ON GRADE SHALL BE SUPPORTED BY A DRAINAGE COURSE TO PROVIDE A CAPILLARY BREAK. DRAINAGE COURSE SHALL CONSIST OF A NARROWLY GRADED MIXTURE OF WASHED CRUSHED STONE, OR

CRUSHED OR UNCRUSHED GRAVEL; ASTM D448; COARSE-AGGREGATE GRADING SIZE 57; WITH 100 PERCENT ASSING A 1-1/2-INCH SIEVE AND ZERO TO 5 PERCENT PASSING A NO. 8 SIEVE. PLACE DRAINAGE COURSE ON SUBGRADES FREE OF MUD, FROST, SNOW, OR ICE. CONTRACTOR TO IMMEDIATELY NOTIFY THE OWNERS REPRESENTATIVE & ENGINEER IF UNUSUAL SOIL CONDITIONS ARE FOUND.

PROVIDE FREE DRAINING, GRANULAR BACKFILL WITH A MAXIMUM EQUIVALENT FLUID PRESSURE OF 30 PSF PER FOOT OF DEPTH AGAINST BASEMENT AND RETAINING WALLS. IF BACKFILL PRESSURE EXCEEDS 30 PSF, THEN WALL MUST BE DESIGNED FOR ACTUAL PRESSURES BY STRUCTURAL ENGINEER.

PRE-ENGINEERED WOOD TRUSSES

TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THESE DOCUMENTS AND WHERE ANY APPLICABLE DESIGN FEATURE IS NOT SPECIFIED HEREIN. DESIGN SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (NDS) AMERICAN FOREST AND PAPER ASSOCIATION (AFPA), AND DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES (ANSI/TPI 1), TRUSS PLATE INSTITUTE (TPI), AND CODES OF JURISDICTION. FABRICATE, SUPPLY AND ERECT WOOD TRUSSES AS SHOWN ON THE DRAWINGS AND AS SPECIFIED. WORK SHALL INCLUDE ALL ANCHORAGE, BLOCKING, CURBING, MISCELLANEOUS

RAMING AND BRACING DEFLECTION IN ROOF TRUSSES SHALL NOT EXCEED SHALL NOT EXCEED L/360 FOR ROOF LIVE AND SNOW LOADS AND L/300 FOR TOTAL LOAD.

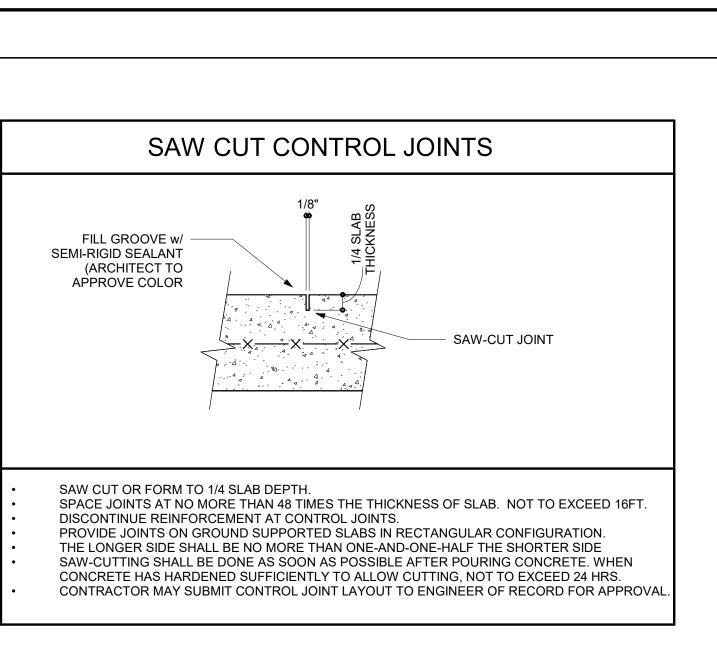
TRUSSES SHALL BE DESIGNED FOR LOADS SHOWN ON STRUCTURAL DRAWINGS AND AS REQUIRED BY CODE TRUSSES MANUFACTURER SHALL DESIGN FOR UPLIET FORCES AND PROVIDED HOLD DOWNS AS REQUIRED. TRUSS TO TRUSS CONNECTIONS ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER.

THE MANUFACTURER SHALL SUBMIT ERECTION DRAWINGS AND SHOP DRAWINGS TO THE ENGINEER OR DESIGNER PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE JOB IS TO BE CONSTRUCTED. STRUCTURAL ENGINEER OF RECORD SHALL APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO BUILDING OFFICIAL. BUILDING OFFICIAL SHALL APPROVE SHOP DRAWING PRIOR TO INSTALLATION.

LUMBER USED FOR TRUSS MEMBERS SHALL BE IDENTIFIED BY GRADE MARK OF A LUMBER INSPECTION AGENCY, AND SHALL BE AS SHOWN ON DESIGN DRAWINGS. TRUSSES SHALL BE HANDLED DURING FABRICATION, DELIVERY AND AT JOBSITE SO AS NOT TO BE SUBJECTED TO EXCESSIVE BENDING. TRUSSES SHALL BE UNLOADED ON SMOOTH GROUND TO AVOID LATERAL STRAIN, TRUSSES SHALL BE PROTECTED FROM DAMAGE THAT MIGHT RESULT FROM ON-SITE ACTIVITIES AND ENVIRONMENTAL CONDITIONS, PREVENT TOPPLING WHEN BANDING IS REMOVED.

HANDLE DURING INSTALLATION IN ACCORDANCE WITH HANDLING. INSTALLING AND BRACING WOOD TRUSSES (HIB-91), TPI, AND ANSI/TPI 1. INSTALLATION SHALL BE CONSISTENT WITH GOOD WORKMANSHIP AND GOOD BUILDING PRACTICES. TRUSSES SHALL BE SET AND SECURED LEVEL AND PLUMB, AND IN CORRECT LOCATION. TRUSSES SHALL BE HELD IN CORRECT ALIGNMENT UNTIL SPECIFIED PERMANENT BRACING IS INSTALLED. CUTTING AND ALTERING OF TRUSSES IS NOT PERMITTED. CONCENTRATED LOADS SHALL NOT BE PLACED ATOP TRUSSES UNTIL ALL SPECIFIED BRACING HAS BEEN INSTALLED AND DECKING IS PERMANENTLY NAILED IN PLACE. ERECTION BRACING IS ALWAYS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND URNISHING THE MATERIALS USED FOR INSTALLATION AND PERMANENT BRACING. BRACING FOR TRUSSES SHALL COMPLY WITH "BUILDING COMPONENT SAFETY INFORMATION" (BCSI) BY TRUSS PLATE INSTITUTE.

- A. INCLUDE THE FOLLOWING ON SUBMITTED SHOP DRAWINGS: 1) STAMP AND SIGNATURE OF ENGINEER RESPONSIBLE FOR PREPARATION OF ALL TRUSS DESIGN AND LAYOUT DRAWING 2) ALLOWABLE LOADS IN LBS/EFFECTIVE NAIL OR LBS/SQ. IN FOR LUMBER AND PLATES USED AS ALLOWED BY IBC AND CURRENT IBC REPORT NUMBER AND BY THE
- INTERNATIONAL BUILDING CODE 3) STRESS REDUCTION FACTORS USED FOR PLATES. 4) TOP AND BOTTOM CHORD DESIGN LOADS IN PLF.
- 5) SIZE, GAUGE, AND EXACT LOCATION BY DIMENSION OF PLATES. 6) LUMBER SPECIES AND GRADES USED
- 7) NAME AND TRADEMARK OF PLATE MANUFACTURER AND TRUSS FABRICATOR AND PROJECT NAME AND LOCATION. 8) CONCENTRATED LOAD REQUIREMENTS HAVE BEEN DESIGNED FOR AND SHOWN ON DOCUMENTS
- 9) TRUSS CONNECTION HARDWARE REQUIREMENTS.
- B. ALL TRUSS SHOP DRAWINGS MUST BE REVIEWED AND WRITTEN APPROVAL PROVIDED, BY GENERAL CONTRACTOR, PRIOR TO SUBMITTAL OF SHOP DRAWINGS TO STRUCTURAL ENGINEER.
- C. SHOP DRAWINGS CAN NOT BE REVIEWED WITHOUT SEAL AND SIGNATURE OF TRUSS COMPANY ENGINEER ON ALL TRUSS ENGINEERING SHEETS
- D. ALL TRUSSES MUST BE DESIGNED FOR UPLIFT LOADS. UPLIFT VALUES @ EACH TRUSS BEARING POINT MUST BE SHOWN ON TRUSS ENGINEERING SHEET



	- FOOTING SIZE (SEE	
F- ISOLATEDCF- CONTINUOUSTD- TURNDOWNTS- THICKENED SLAB	SCHEDULE) X2.0x2.0 FOOTING TYPE	
	DNS	
 § - (2) JACK STUDS EACH END §§ - (3) JACK STUDS EACH END F - FLUSH D - DROPPED 		
HEADER # PLIES FRAMING MEMBER SUPPORT CONDITION* (3) 2x10 §	WOOD BEAM FRAMING MEMBER BEAM INSTALLATION (3) 11 7/8" LVL (F)	
* - (1) JACK STUD EACH END IF NO SUPP	PORT CONDITION NOTED	
WOOD JOIST		

SPECIAL INSPECTIONS

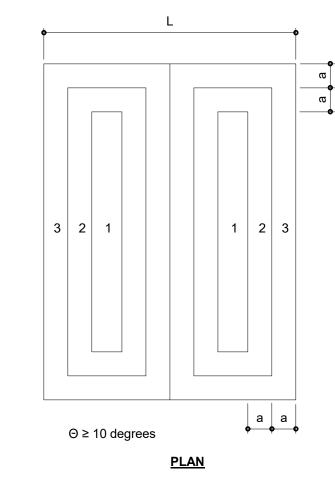
NOTES: 1) SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER (OR AS DESIGNATED IN THE CONTRACT DOCUMENTS) TO PROVIDE INSPECTIONS DURING CONSTRUCTION AS NOTED. 2) SPECIAL INSPECTIONS AND TESTING TO BE PROVIDED AT A FREQUENCY AS DESIGNATED IN THE CODE REFERENCE. 2) SPECIAL INSPECTIONS AND TESTING TO BE PROVIDED AT A PREQUENCY AS DESIGNATED IN THE CODE REFERENCE.
 3) ADDITIONAL INSPECTION AND TESTING MAY BE REQUIRED, SEE NOTES AND SPECIFICATIONS.
 4) DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. REFUSAL TO CORRECT DISCRPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER / ARCHITECT PRIOR TO COMPLETION OF THAT PHASE OF WORK.
 5) INSPECTION REPORTS SHALL BE SUBMITTED TO THE CONTRACTOR, OWNER AND ENGINEER / ARCHITECT. REPORTS SHALL DOCUMENT PERFORMED INSPECTIONS AND CORRECTED DISCRPANCIES. PROVIDE REPORTS A REGULAR INTERVALS DURING PROGRESS OF WORK.

COMPONENT	CODE REFERENCE	COMPONENT	CODE RE
CONCRETE CONSTRUCTION	IBC 1705.3 & TABLE 1705.3	WOOD CONSTRUCTION	IBC
SOILS	IBC 1705.6 & TABLE 1705.6		

COMPONENTS & CLADDING

AREA (sq. ft.)		P (psf)									
	CLEAR WIND FLOW						OBSTRUCTED WIND FLOW				
EFF. WIND AREA	ZOI	NE 3	ZO	NE 2	ZO	NE 1	ZOI	NE 3	ZO	NE 2	
AREA ≤ 9	37.4	-54.1	29.1	-41.6	18.7	-27.0	20.8	-58.2	16.6	-43.7	10.
9 < AREA ≤ 36	29.1	-41.6	29.1	-41.6	18.7	-27.0	16.6	-43.7	16.6	-43.7	10.
36 < AREA	18.7	-27.0	18.7	-27.0	18.7	-27.0	10.4	-29.1	10.4	-29.1	10.
a = 4.4'					1		1	1		1	



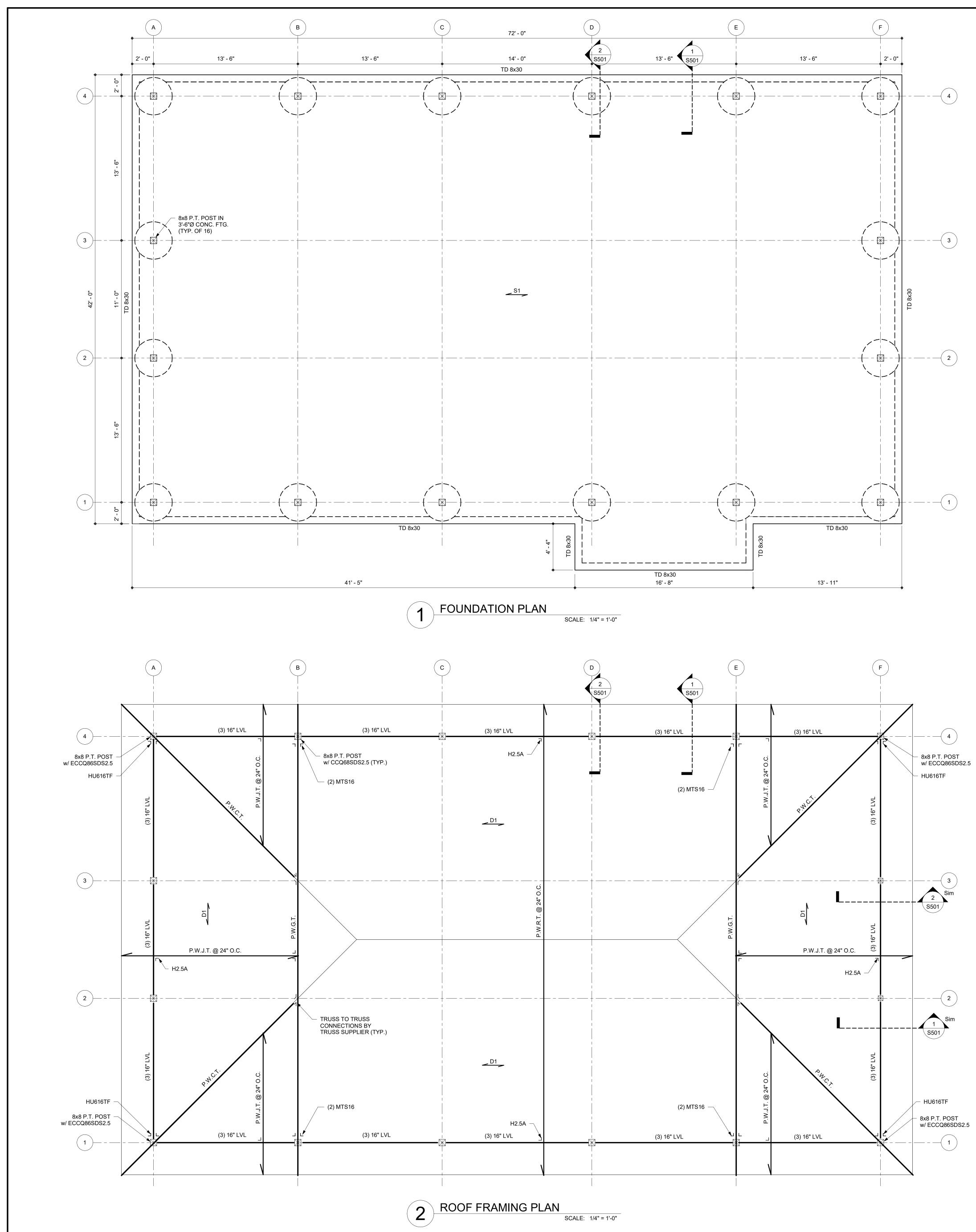




ABBREVIATIONS

GROUT

AD	DREVIATIO					
Ę	CENTERLINE	GAL		GALVANIZED	PSF	POUNDS PER SC
Ø	DIAMETER	G.(GENERAL CONTRACTOR	PSI	POUNDS PER SO
	HANGER	GF		GRADE	P.T.	PRESERVATIV
A.B. A.F.F.	ANCHOR BOLT ABOVE FINISH FLOOR	GW G.T		GYPSUM WALL BOARD GIRDER TRUSS	PWD. QTY.	PLYWC QUANT
ARCH.	ARCHITECTURAL	H		HEIGHT	RAD. OR R.	RADIL
B.F.F.	BELOW FINSH FLOOR	H.C		HOLLOW CORE	REF.	REFER
BLDG.	BUILDING	HOR	RIZ.	HORIZONTAL	REINF.	REINFOR
BL	BLOCK LINTEL	HS	A	HEADED STUD ANCHOR	REQD	REQUIF
BLK.	BLOCKING	HS	S	HOLLOW STRUCTURAL SHAPE	REV.	REVER
BM.	BEAM	I.D).	INSIDE DIAMETER	R.O.	ROUGH OF
BO	BOTTOM OF	I.F		INSIDE FACE	R.T.U.	ROOF TOP
B.O.S.	BOTTOM OF STEEL	INF		INFORMATION	SCHED.	SCHED
BRG.	BEARING	ISC	-	ISOLATED	SHT.	SHEE
C.A.		I.D		INSIDE DIAMETER INSIDE FACE	SIM.	SIMIL
CHAM. C.J.	CHAMFER CONTROL JOINT	I.F		INSIDE FACE	SPECS SQ.	SPECIFICA SQUA
CLG.	CEILING	J.B.		JOIST BEARING ELEVATION	STD.	STAND
COL.	COLUMN	JS		JOIST	STL.	STEE
CONC.	CONCRETE	JN	Τ.	JOINT	STRUCT.	STRUCT
CMU	CONCRETE MASONRY UNIT	KS	61	KIPS PER SQUARE INCH	Т&В	TOP & BO
CNST. JNT.	CONSTRUCTION JOINT	L		LENGTH	T. & G.	TONGUE & 0
CONT.	CONTINUOUS	L.L.	Н.	LONG LEG HORIZONTAL	THK	THICKN
CTR.	CENTER	L.L.	V.	LONG LEG VERTICAL	T.O.	TOP (
DBL.	DOUBLE	LON		LONGITUDINAL	T.O.B.	TOP OF E
DIA.	DIAMETER	MA		MAXIMUM	T.O.C.	TOP OF CO
DIM.	DIMENSION	MEC		MECHANICAL	T.O.F.	TOP OF FO
DWG. D.J.	DRAWING DOUBLE JOIST	MF		MANUFACTURER	T.O.G.B. T.O.M.	TOP OF GRA TOP OF MA
EA.	EACH	MIS		MISCELLANEOUS	T.O.M. T.O.P.	TOP OF MA
E.E.	EACH END	M.C	-	MASONRY OPENING	T.O.S.	TOP OF STEEL
E.J.	EXPANSION JOINT	MT		METAL	T.O.W.	TOP OF \
E.S.	EACH SIDE	N//		NOT APPLICABLE	TRANS	TRANSVI
EL.	ELEVATION	N.I.	C.	NOT IN CONTRACT	TYP.	TYPIC
EQ.	EQUAL	NC).	NUMBER	U.N.O.	UNLESS NOTED
E.W.	EACH WAY	N.5	3.	NEAR SIDE	VERT.	VERTIC
EX.	EXISTING	N.T.		NOT TO SCALE	V.I.F.	VERIFY IN
EXP.	EXPANSION	0.0	C.	ON CENTER	W	WIDT
EXT.	EXTERIOR	0.0		OUTSIDE DIAMETER	w/	WITH
FDN.	FOUNDATION	0.6		OUTSIDE FACE	WD.	WOO
FLR. F.O.C.	FLOOR FACE OF CONCRETE	OP OS		OPPOSITE OUTSTANDING LEG	W/O	WITHC
F.O.C. F.O.F.	FACE OF CONCRETE	P.A		POWDER ACTUATED FASTENER	WP	WORK P
F.O.S.	FACE OF STUDS	PC		PRECAST		
F.S.	FAR SIDE	PC	-	POUNDS PER CUBIC FOOT		
FTG.	FOOTING	PL		PLATE		
GA.	GAUGE	PL	F	POUNDS PER LINEAR FOOT		
MA	ATERIALS			DRAWING K	ΕY	
	VENEER		(GRID LINE	x	SECTION
	СМИ		(#	SXX	
	CONCRETE			^	x	·
	EARTH				SXXX	DETAILS IN PLANS & SECTIONS
	RIGID INSULATION					
	STEEL			WALL TYPE		EXISTING
	PLYWOOD			sw # SHEAR WALL	• •	CONTROL
	WOOD					
	TIMBER			SHEAR WALL		
				HOLDOWN		
	AGGREGATE					



GENERAL NOTES:

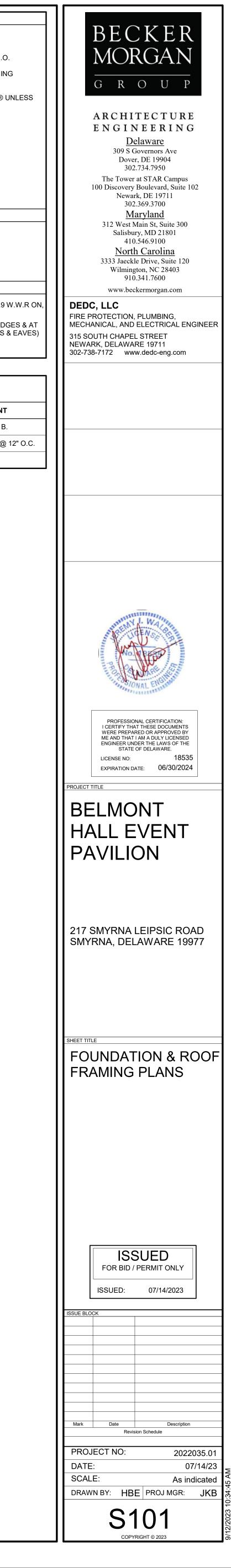
- SEE ARCHITECTURAL PLANS FOR ROOF BEARING, ROOF SLOPE, AND EAVE CONFIGURATION.
- PROVIDE UPLIFT ANCHOR AT ENDS OF ALL RAFTERS, SIMPSON H2.5A, MIN. U.N.O.
- SEE SHEET S001 FOR ADDITIONAL FRAMING INFORMATION INCLUDING FASTENING SCHEDULE.
- ALL LIGHT GUAGE METAL CONNECTORS SPECIFIED AS SIMPSON STRONG TIE ® UNLESS NOTED OTHERWISE.
- STRUCTURAL WOOD TRUSSES AS NOTED: P.W.R.T.: PRE-ENGINEERED WOOD ROOF TRUSS P.W.G.T.: PRE-ENGINEERED WOOD GIRDER TRUSS P.W.C.T.: PRE-ENGINEERED WOOD CORNER TRUSS P.W.J.T.: PRE-ENGINEERED WOOD JACK TRUSS

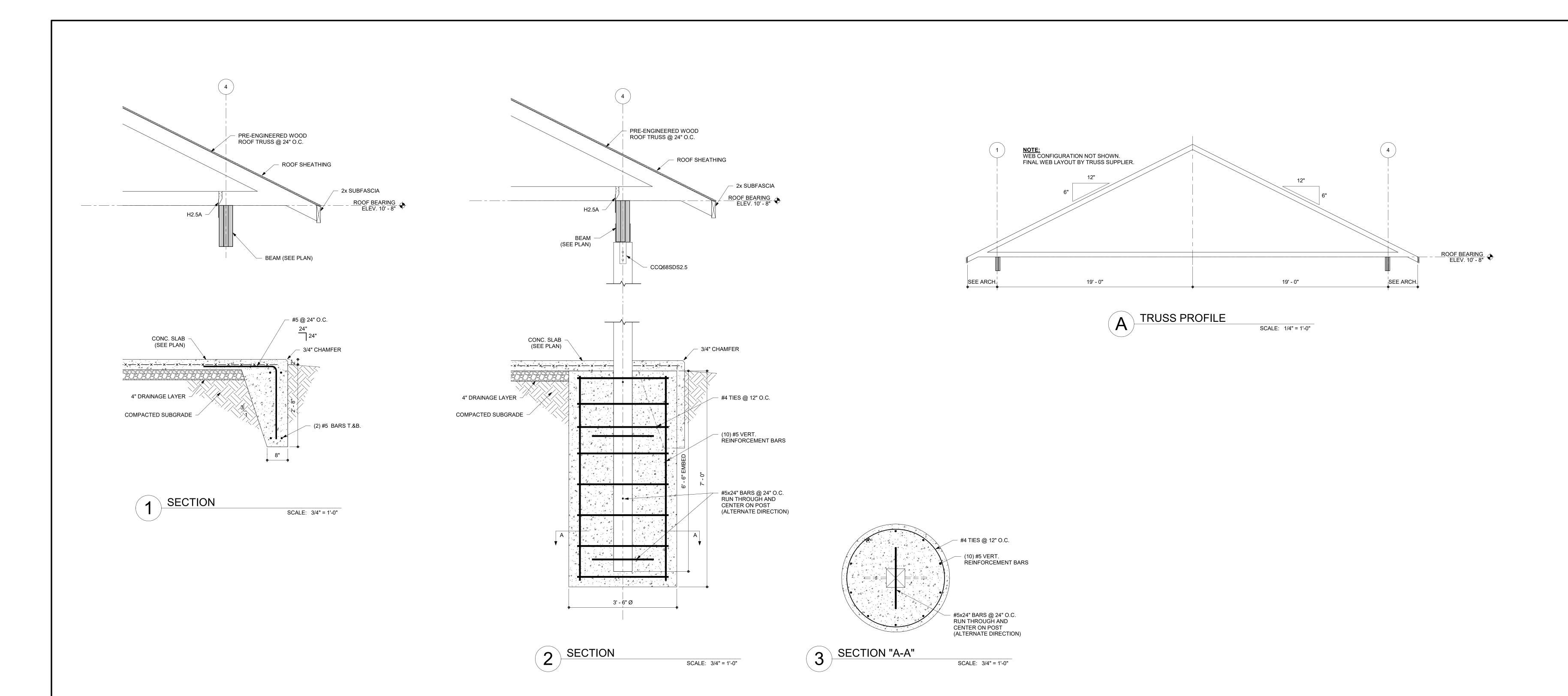
SHEET LEGEND:

NOTES:

_____ ROOF SHEATHING (19/32" STRUCTURAL 1 PLYWOOD) WITH 8d @ 6" O.C. AT EDGES & AT INTERMEDIATE FRAMING (USE 8d RING SHANK NAILS 5'-0" FROM GABLE ENDS & EAVES)

FOOTING SCHEDULE							
MARK	ТҮРЕ	SIZE	REINFORCEMENT				
TD 8x30	TURNDOWN	8" W. x 30" D.	(2) #5 BARS T. & B.				
F3.5	CONTINUOUS	3'-6" Ø x 9'-0" D.	(10) #5 BARS w/ #4 TIES @ 1				

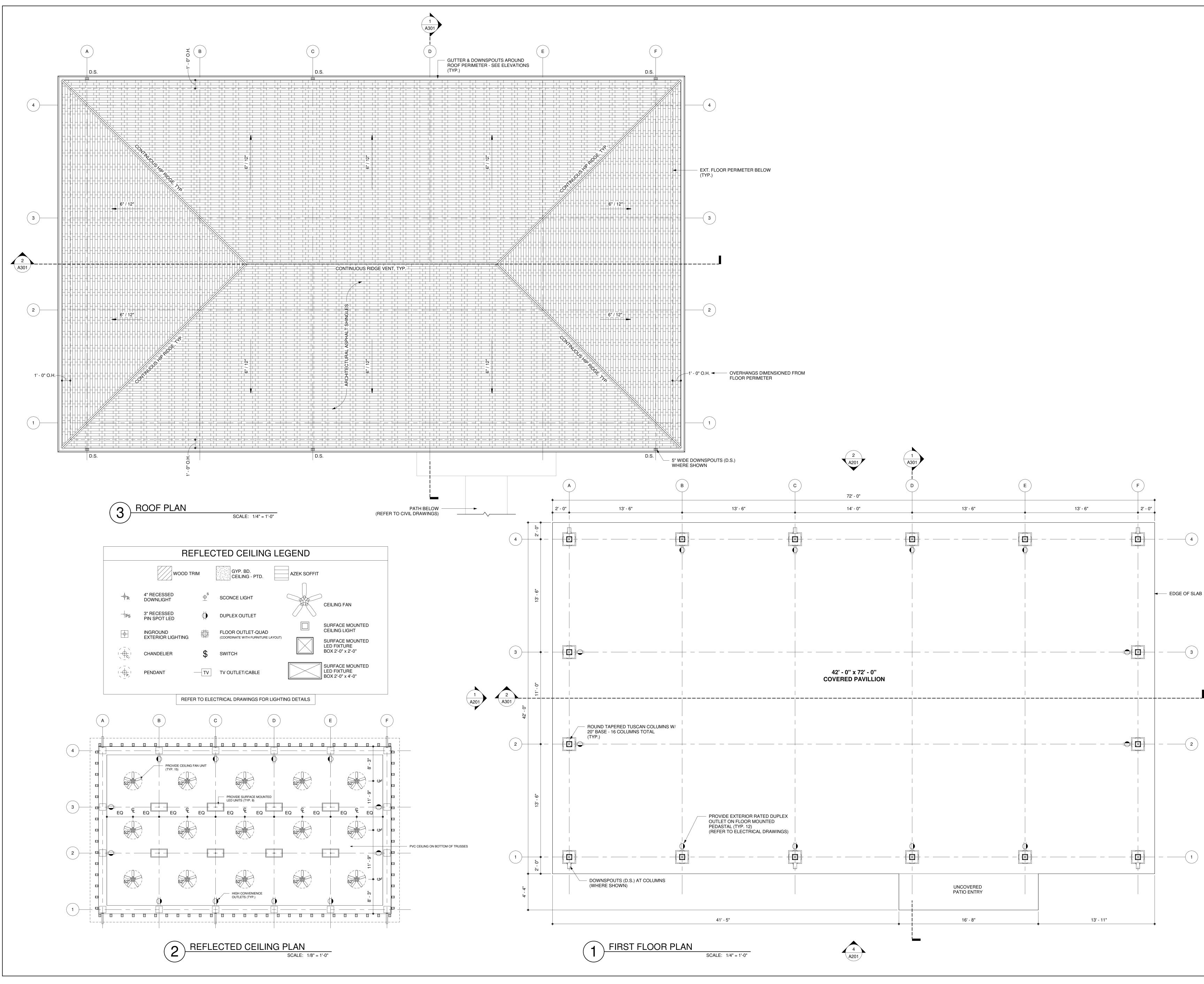




BECKER MORGAN G R O U P ARCHITECTURE ENGINEERING <u>Delaware</u> 309 S Governors Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19711 302.369.3700 Maryland 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 <u>North Carolina</u> 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEER 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 www.dedc-eng.com ARE GEN Wolfers PROFESSIONAL CERTIFICATION: I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF DELAWARE. 18535 LICENSE NO: EXPIRATION DATE: 06/30/2024 PROJECT TITLE BELMONT HALL EVENT PAVILION 217 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977 SHEET TITLE SECTIONS ISSUED FOR BID / PERMIT ONLY ISSUED: 07/14/2023 ISSUE BLOCK Mark Date Description Revision Schedule PROJECT NO: 2022035.01 DATE: 07/14/23
 SCALE:
 As indicated

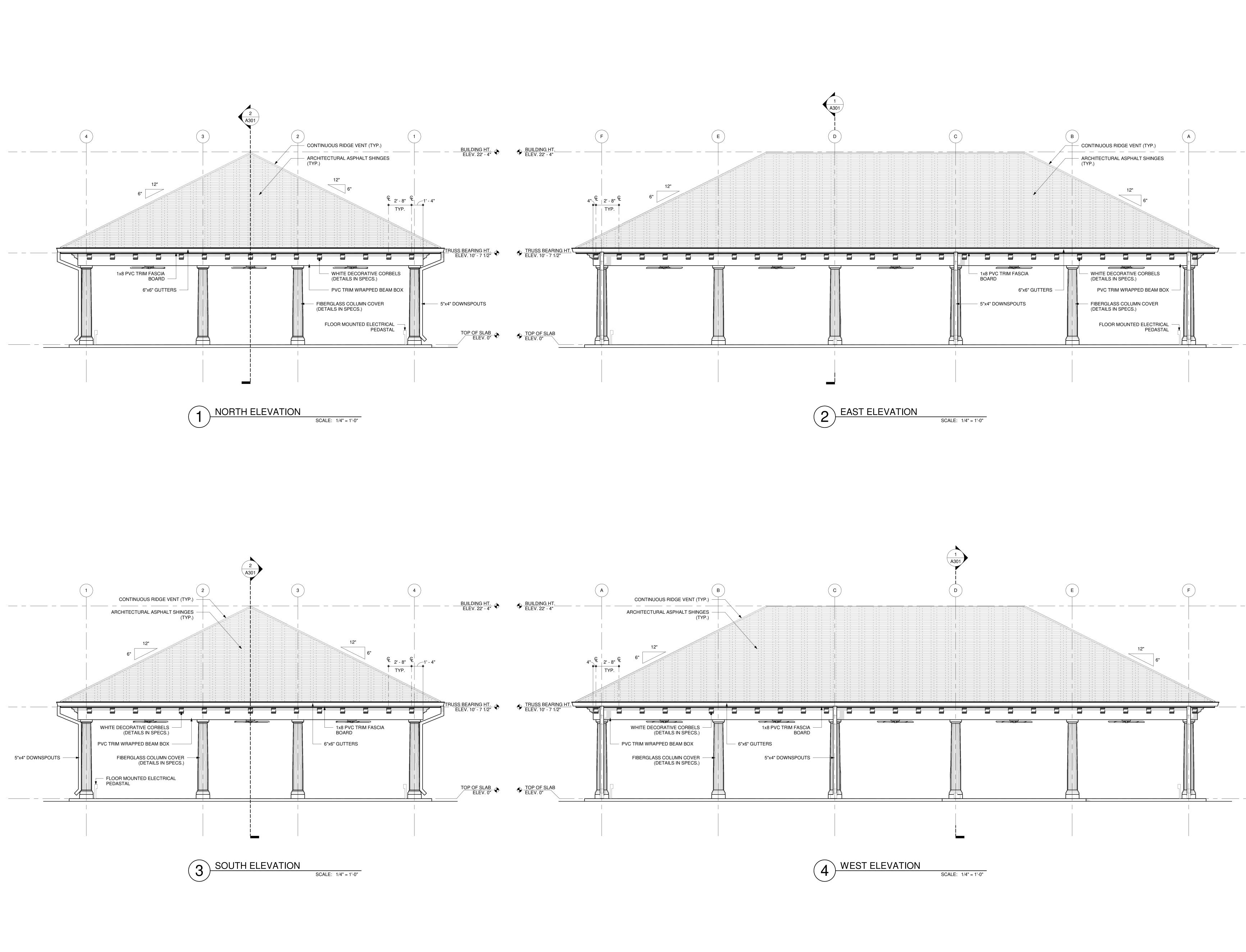
 DRAWN BY:
 HBE

 PROJ MGR:
 JKB
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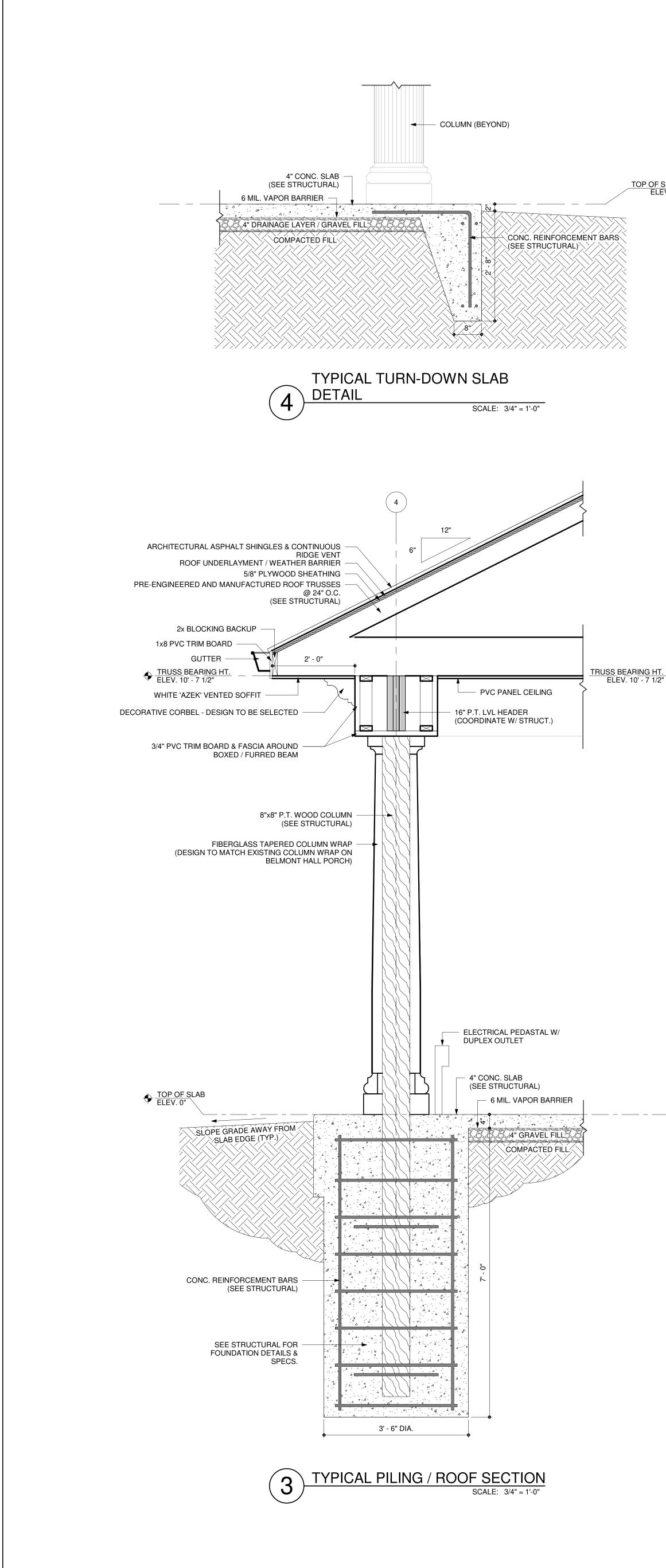


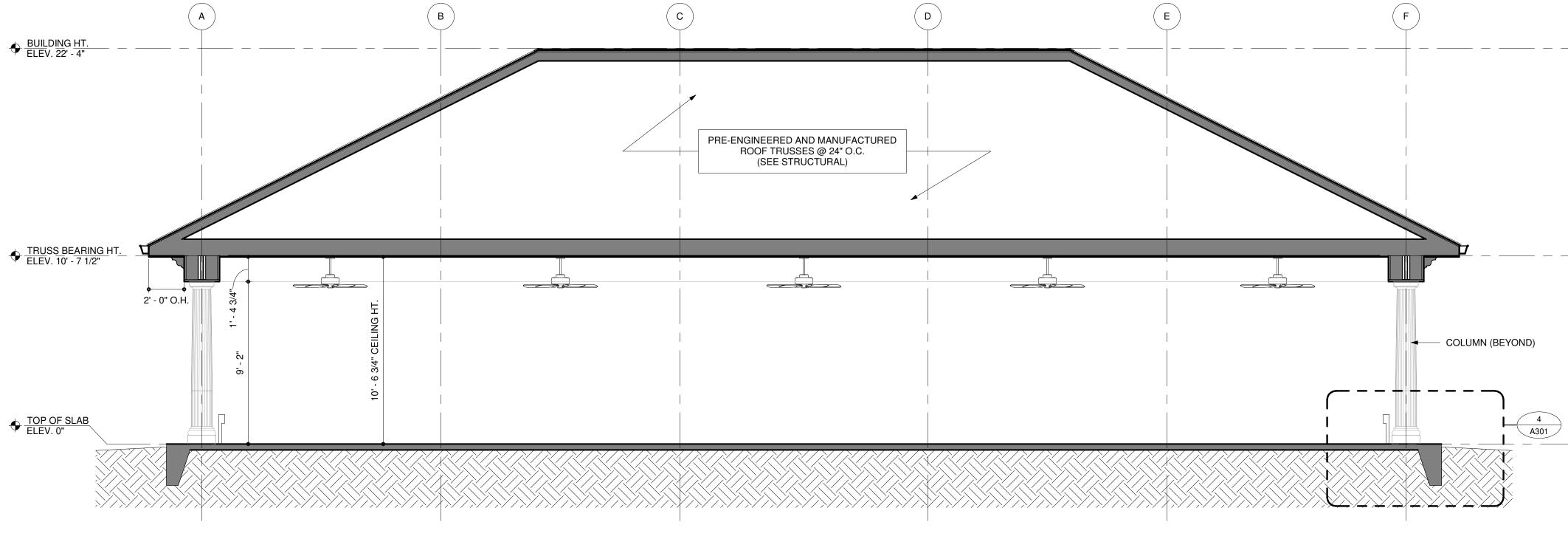
G R O U ARCHITECTURE ENGINEERING <u>Delaware</u> 309 S Governors Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 <u>Maryland</u> 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 North Carolina 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEER 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 fax: 302-738-7175 PROJECT TITLE BELMONT HALL PAVILLION 217 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977 ISSUED FOR BID / PERMIT ONLY ISSUED: 07/14/2023 SHEET TITLE FIRST FLOOR PLAN, REFLECTED CEILING PLAN & ROOF PLAN ISSUE BLOCK Mark Date Description PROJECT NO: 2022035.01 DATE: 07/14/2023 SCALE: As indicated DRAWN BY: CGK PROJ MGR: BLH A10⁻ COPYRIGHT © 2023

3 A201/



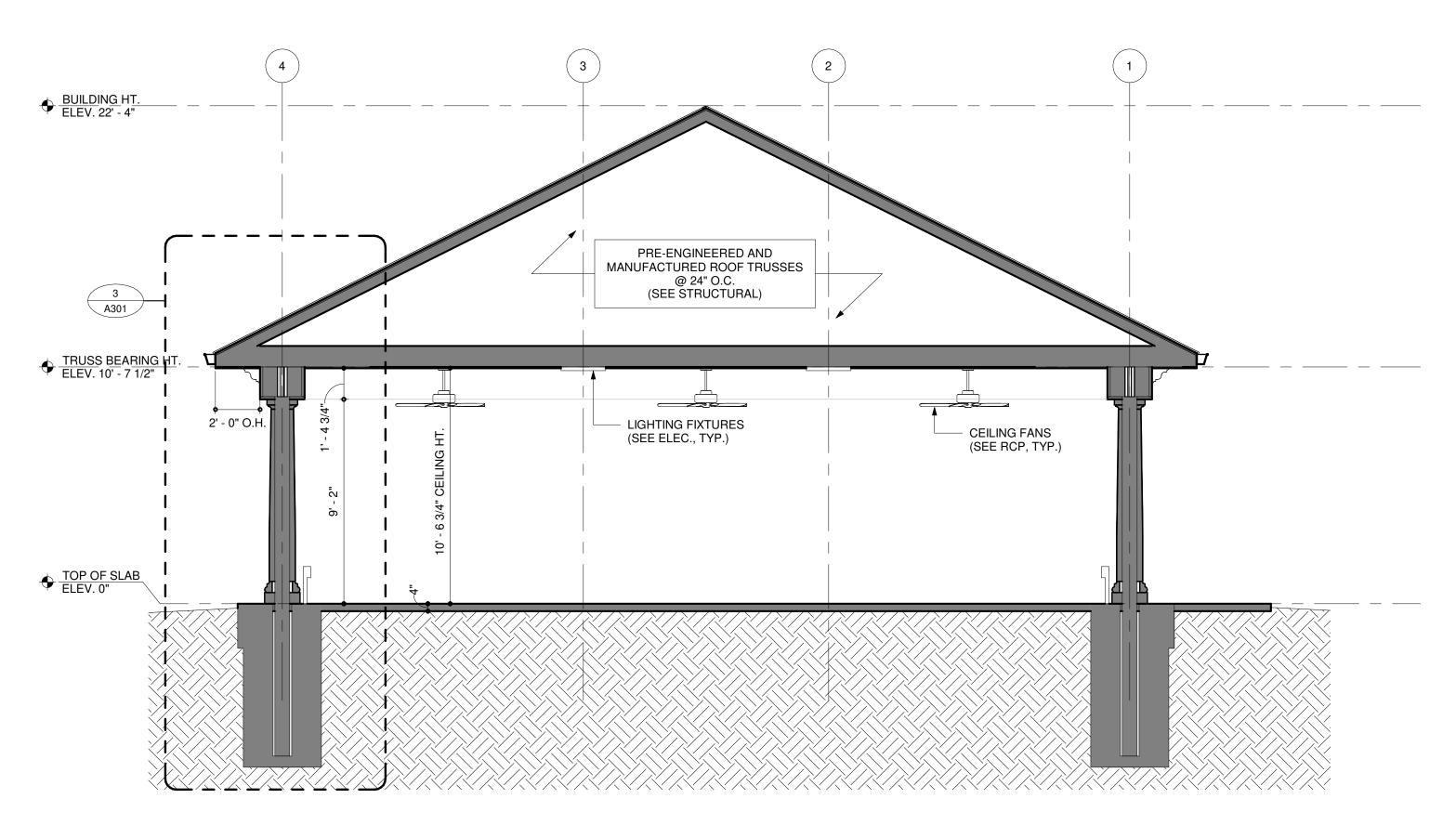
BECKER MORGAN G R O U I ARCHITECTURE ENGINEERING Delaware 309 S Governors Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 <u>Maryland</u> 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 <u>North Carolina</u> 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEER 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 fax: 302-738-7175 PROJECT TITLE BELMONT HALL PAVILLION 217 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977 ISSUED FOR BID / PERMIT ONLY 07/14/2023 ISSUED: SHEET TITLE EXTERIOR ELEVATIONS ISSUE BLOCK Mark Date Description PROJECT NO: 2022035.01 07/14/2023 DATE: SCALE: 1/4" = 1'-0" DRAWN BY: CGK PROJ MGR: BLH A201 COPYRIGHT © 2023





TRUSS BEARING HT. ELEV. 10' - 7 1/2"

TOP OF SLAB ELEV. 0"



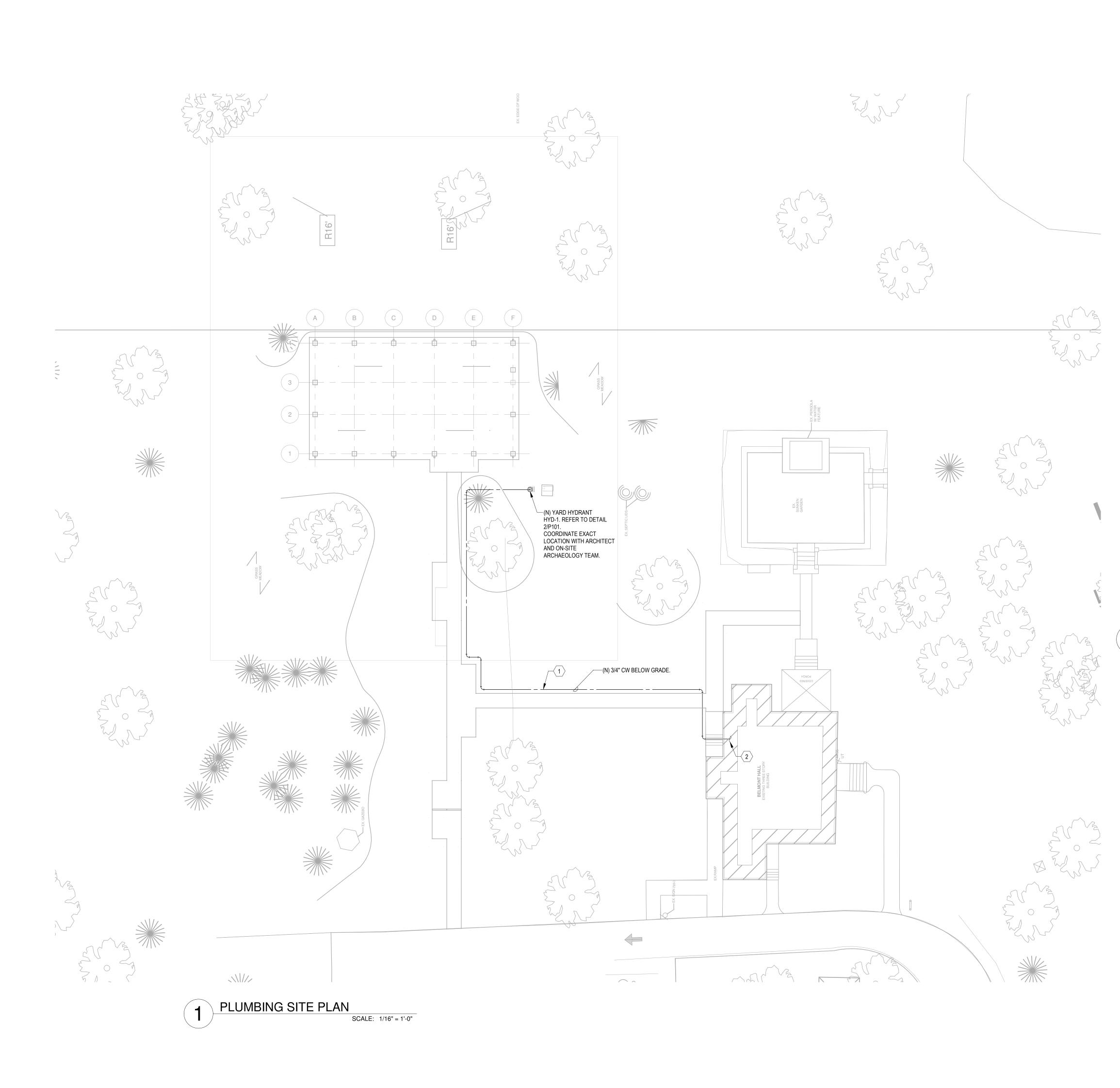
1 BUILDING SECTION

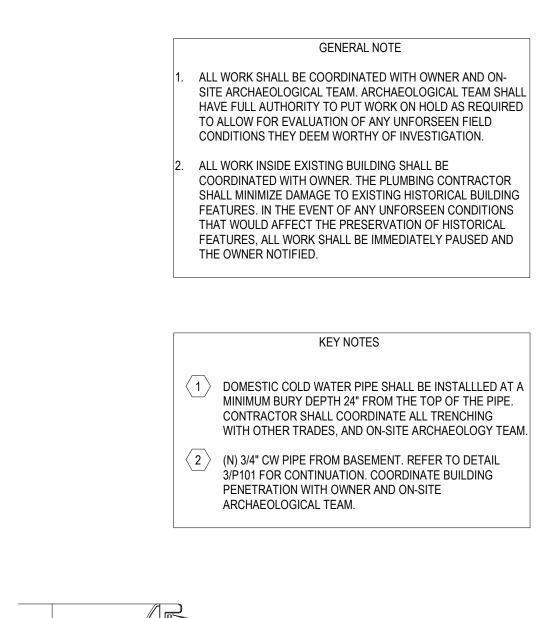
SCALE: 1/4" = 1'-0"

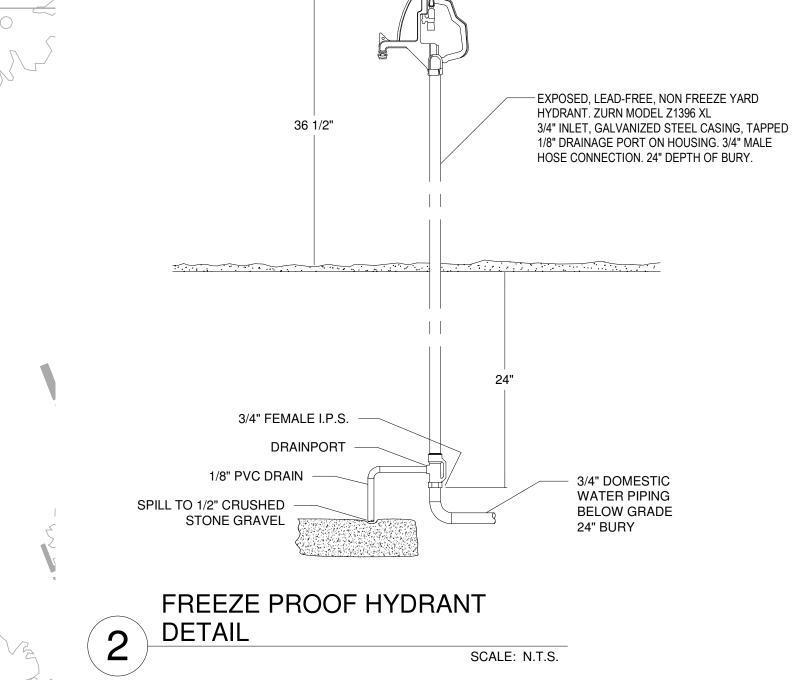
2 BUILDING SECTION

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

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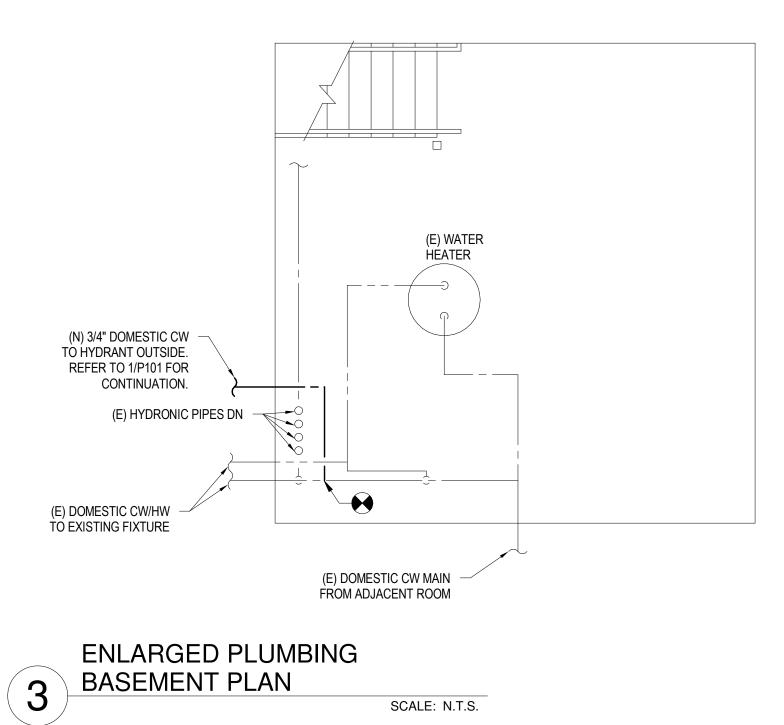






SCALE: N.T.S.

	PLUMBING FIXTURE SCHEDULE								
				CONNCET	TION SIZES				
TAG	BASIS OF DESIGN	FLUSH VALE OR FAUCET	CW	HW	DRAIN	VENT	REMARKS		
<u>HYD-1</u>	ZURN MODEL #Z1396XL	-	3/4"	-	-	_	EXPOSED, LEAD FREE, NON-FREEZE YARD HYDRANT. DURA-COATED CAST IRON HEAD AND LIFT HANDLE WITH LOCK OPTION, GALVANIZED STEEL CASING, BRONZE AND STAINLESS STEEL INTERIOR COMPONENTS, 3/4" INLET CONNECTION WITH 1/8" TAPPED DRAINAGE PORT ON HOUSING. 3/4" MALE HOSE CONNECTION. 2 FT BURY DEPTH.		



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 1
 07/14/2023
 ISSUED FOR BID/PERMIT

 Mark
 Date
 Description
 PROJECT NO: 2022035.01 DATE: 04/14/2023 SCALE: As indicated DRAWN BY: SAT PROJ MGR: DBC P101 COPYRIGHT © 2023

	DESCRIPTION	0 F F -		QVMPO!	
<u>SYMBOL</u> ↔	DESCRIPTION 20A. 120-277V AC. SINGLE POLE TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED	<u>SYMBOL</u> ⊢⊙⊙⊙	DESCRIPTION 3 BUTTON OVERHEAD DOOR CONTROLLER	<u>SYMBOL</u>	DESCRIPTION
ŝ	TO BOTTOM OF DEVICE BOX. 20A, 120-277V AC, THREE WAY TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED TO		20A, 120V AC, NEMA 5-20R, DUPLEX RECEPTACLE, SINGLE GANG BOX, TILE RING	R	BUS DUCT WITH PLUG IN DISCONNECT (FUSED) RELAY
$\overline{\mathbf{v}}$	BOTTOM OF DEVICE BOX.	=	(DEPTH AS REQUIRED), COVERPLATE. MOUNTING HEIGHT TO CENTER OF DEVICE = 18" AFF TO CENTER OF DEVICE BOX, U.O.N., X" = INCHES A.F.F. MOUNTING		ENCLOSED CIRCUIT BREAKER
\$ 4	20A, 120-277V AC, FOUR WAY TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED TO BOTTOM OF DEVICE BOX.		HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK), T = TAMPER PROOF	¥ ↓	PRESSURE SWITCH FLOAT SWITCH
°¢	20A, 120V-277V AC, 0-10V DIMMING WALL SWITCH AS MANUFACTURED BY WATTSTOPPER MODEL#LMSW-101. E.C. TO INSTALL PER MANUFACTURERS	= GFI	20A, 120V AC, NEMA 5-20R, DUPLEX GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE (GFI), SINGLE GANG BOX, TILE RING (DEPTH AS REQUIRED).	H@	PHOTOCELL
	WRITTEN INSTRUCTIONS. COLOR AS SELECTED BY ARCHITECT.		MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F., X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK), WP =	H <u>2</u> ►	TIME CLOCK. AS SHOWN ON WIRING DIAGRAMS TELEPHONE OUTLET CONSISTING OF ONE 4 POI
	24V DC, SINGLE BUTTON DIGITAL DIMMING WALL SWITCH, SWITCH MOUNTING HEIGHT = 48" A.F.F. TO THE TOP OF DEVICE BOX, U.O.N SWITCH SHALL BE MODEL	⊖ ^{ISO}	IN USE WEATHERPROOF COVER.		BOX, TILE RING (DEPTH AS REQUIRED), (1) 1-1/4' STUBBED UP INTO THE NEAREST ACCESSIBLE C
/)	NUMBER LMDM-101 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. DIGITAL WALL SWITCH SHALL BE FED BY DIGITAL ROOM CONTROLLER. CABLING BETWEEN		204, 1207 AC, NEMA 3-207, DUPLEX RECEPTACLE, SINGLE GAING BOX, THE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F., X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH		AFF TO THE CENTER OF DEVICE BOX UNLESS OF COMMUNICATIONS VENDOR TO FURNISH AND IN
	CONTROLLER AND DIGITAL WALL SWITCH SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. COLOR AS SELECTED BY ARCHITECT.		= INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK), ISO = GASKETED STAINLESS STEEL COVERPLATE.	∢ ≥	PLATES, AND WIRE. TELEPHONE WALL OUTLET CONSISTING OF ONE
			20A, 120V AC, NEMA 5-20R, DUPLEX GROUND FAULT CIRCUIT INTERRUPTER TYPE		SQUARE BOX, TILE RING (DEPTH AS REQUIRED), PULLSTRING STUBBED UP INTO THE NEAREST A
[€]	20A, 120-277V AC, SINGLE BUTTON WALL MOUNT, PASSIVE INFRARED SINGLE RELAY ON/OFF OCCUPANCY SENSOR. SWITCH MOUNTING HEIGHT = 48" A.F.F. TO		RECEPTACLE (GFI), SINGLE GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 48" A.F.F, ISO = GASKETED		MOUNTING HEIGHT=18" AFF TO THE CENTER OF OTHERWISE NOTED. COMMUNICATIONS VENDOR
0	CENTER OF DEVICE BOX, U.O.N. OCCUPANCY SWITCH SHALL BE #PW-101 AS MANUFACTURED BY WATTSTOPPER.		STAINLESS STEEL COVERPLATE		DEVICES, DEVICE PLATES, AND WIRE.
^{\$} 0C2	20A, 120-277V AC, TWO BUTTON WALL MOUNT, DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC), DUAL RELAY OCCUPANCY SENSOR. SWITCH	l ⇒ s	20A, 120V AC, NEMA 5-20R, SURFACE MOUNTED DUPLEX RECEPTACLE, 4" SQUARE BOX, CONDUIT STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING.	◀	COMBINATION TELE/DATA OUTLET CONSISTING 4" SQUARE BOX, TILE RING (DEPTH AS REQUIRE
5	MOUNTING HEIGHT = 48" A.F.F. TO CENTER OF DEVICE BOX, U.O.N. OCCUPANCY SWITCH SHALL BE #DW-200 AS MANUFACTURED BY WATTSTOPPER.		MOUNTING HEIGHT TO CENTER OF DEVICE = 18" AFF TO CENTER OF DEVICE BOX, U.O.N., X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE		PULLSTRING STUBBED UP INTO THE NEAREST E SPACE. MOUNTING HEIGHT=18" AFF TO THE CEI
			(COORDINATE WITH MILLWORK). 20A, 120V AC, NEMA 5-20R, DUPLEX RECEPTACLE WITH 3.1 AMP USB CHARGING		OTHERWISE NOTED. COMMUNICATIONS VENDO DEVICES, DEVICE PLATES, AND WIRE.
003	20A, 120-277V AC, SINGLE BUTTON 0-10V DIMMING WALL MOUNT, PASSIVE INFRARED, SINGLE RELAY OCCUPANCY SENSOR. SWITCH MOUNTING HEIGHT = 48"	=	PORT. MOUNTING HEIGHT TO CENTER OF DEVICE = 18" AFF TO CENTER OF DEVICE BOX, U.O.N., X"= INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE		
<i>∽</i>	A.F.F. TO CENTER OF DEVICE BOX, U.O.N. OCCUPANCY SWITCH SHALL BE #PW-311 AS MANUFACTURED BY WATTSTOPPER.		(COORDINATE WITH MILLWORK).	4 [₽] ⁸ 0	COMBINATION TELE/DATA OUTLET CONSISTING 4" SQUARE BOX, TILE RING (DEPTH AS REQUIRE
		≠	20A, 120V AC, NEMA 5-20R, DOUBLE DUPLEX RECEPTACLE, DOUBLE GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18"		PULLSTRING STUBBED UP INTO THE NEAREST E SPACE. MOUNTING HEIGHT=48" AFF TO THE CE
⁴ D10	20A, 120-277VAC, 0-10V DIMMING SWITCH AS MANUFACTURED BY WATTSTOPPER MODEL# RH4FBL3PTC. E.C. TO INSTALL PER MANUFACTURERS INSTRUCTIONS.		A.F.F., X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK), T = TAMPER PROOF, ISO = GASKETED STAINLESS STEEL COVERPLATE		OTHERWISE NOTED. COMMUNICATIONS VENDO DEVICES, DEVICE PLATES, AND WIRE.
1 7	COLOR TO BE SELECTED BY ARHCITECT.	=⊕ ^{GFI}	20A, 120V AC, NEMA 5-20R, GROUND FAULT CIRCUIT INTERRUPTER (GFI) TYPE	\vdash	WIRELESS ACCESS POINT CONSISTING OF JUN
С Ч	20A, 120-277VAC, FAN CONTROLLER WALL BOX AS MANUFACTURED BY WATTSTOPPER MODEL# CDSC6-X, E.C. TO INSTALL PER MANUFACTURERS		DOUBLE DUPLEX RECEPTACLE, DOUBLE GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F., X" = INCHES		PROVIDED BY E.C. ALL DEVICES, DEVICE PLATE BY ELECTRICAL CONTRACTOR.
A	INSTRUCTIONS. COLOR TO BE SELECTED BY ARCHITECT.		A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK), T = TAMPER PROOF WP = IDENTIFIES "IN USE" WEATHERPROOF COVER.	⋴⊢⋛	TELEVISION OUTLET. PROVIDE 4" SQUARE DEVI REQUIRED), STUB-UP 1 1/4" CONDUIT TO NEARE
CC CC	20A, 120-277VAC, RGBW LED LIGHTING CONTROLLER, COLORDIAL PRO AS	=⊕ ^{48"} ISO	20A, 120V AC, NEMA 5-20R, SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE,		CABLE FROM DEMARC TO OUTLET. MOUNTING I OF DEVICE. ELECTRICAL CONTRACTOR TO FUR
)	MANUFACTURED BY COLOR KINETICS OR EQUAL. E.C. SHALL FURNISH AND INSTALL CONTROLLER AND WIRING TO ALL DEVICES.	-₩ ⁱ šo	CONDUIT STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING, GASKETED. X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH	V	DEVICE PLATES, AND WIRE.
DC)	1000 SQ. FT. COVERAGE CEILING MOUNTED OCCUPANCY SENSOR., 24V DC, DUAL TECHNOLOGY (ULTRASONIC AND PASSIVE INFRARED). SENSOR SHALL BE MODEL		MILLWORK), PROOF WP = IDENTIFIES "IN USE" WEATHERPROOF COVER, ISO = GASKETED STAINLESS STEEL COVERPLATE	⊢⊗⊂	HORN TYPE SPEAKER
	NUMBER LMDC-100 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. FINISH SHALL BE SELECTED BY OWNER/ARCHITECT. OCCUPANCY SENSOR SHALL BE FED		SPECIAL PURPOSE ELECTRICAL RECEPTACLE. XX-XXR = NEMA CONFIGURATION,		ALERTING SYSTEM VISUAL FHA TROUBLE STRC AND INSTALL J-BOXES AND 3/4" CONDUIT. ALER
	FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND OCCUPANCY SENSOR SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.	XX-XXR	X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK).	AS	INSTALL DEVICES, DEVICE PLATES, AND ALL WI ALERTING SYSTEM CEILING MOUNTED 8" SPEAF
		₽ ₽~□	ELECTRIC CORD REEL, FED FROM GFCI BRANCH CIRCUIT BREAKER. 20A, 250VAC RATED, YELLOW INDUSTRIAL REEL, UL TYPE 1, 35FT #12/3 SJO CORD, W/ YELLOW		INSTALL J-BOXES AND 3/4" CONDUIT. ALERTING INSTALL DEVICES, DEVICE PLATES, AND ALL WI
22 1000 SQ. FT. COVERAGE CEILING MOUNTED EXTENDED RANGE OCCUPANCY SENSOR., 24V DC, PASSIVE INFRARED. SENSOR SHALL BE MODEL NUMBER INDC 100 AS MANUEACTURED BY WATTSTOPPED OF EQUAL ENVICE SHALL BE	XX-XXR	FEMALE WATERPROOF SINGLE RECEPTACLE. CORD REEL SHALL BE MODEL #HBLI35123Y WITH RECEPTACLE END #HBL1533 AS MANUFACTURED BY HUBBELL.	(AS) OD	ALERTING SYSTEM CEILING MOUNTED OMNI-DII FURNISH AND INSTALL J-BOXES AND 3/4" COND	
	EMPC-100 AS MANUFACTORED BT WATTSTOPPER OR EQUAL. FINISH STALL BE SELECTED BY OWNER/ARCHITECT. OCCUPANCY SENSOR SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND OCCUPANCY		PROVIDE BALL STOP #HBLI12BS AND PIVOT BASE #HVLI340PB AS MANUFACTURED BY HUBBELL. XX-XXR = NEMA CONFIGURATION.		FURNISH AND INSTALL DEVICES, DEVICE PLATE
	SENSOR SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.		ELECTRIC CORD REEL. FED FROM GFCI BRANCH CIRCUIT BREAKER. 30A. 250VAC	BS	ALERTING SYSTEM CEILING MOUNTED BATHRO
RC1	20A, 120V AC, 60HZ, ON/OFF DIGITAL ROOM CONTROLLER, SINGLE RELAY, UL LISTED, U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-101 AS MANUFACTURED		RATED, YELLOW INDUSTRIAL REEL, UL TYPE 1, #10/3 SJO CORD, W/ YELLOW LOCKING FEMALE WATERPROOF RECEPTACLE. CORD REEL SHALL BE MODEL		RED VISUAL STROBE LIGHT. E.C. SHALL FURNIS CONDUIT. ALERTING VENDOR TO FURNISH AND PLATES. AND ALL WIRE.
	BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.		#HBLI35103Y WITH RECEPTACLE END #HBL2613VY AS MANUFACTURED BY HUBBELL. PROVIDE BALL STOP #HBL114BS AND PIVOT BASE #HVL1340PB AS	(ED)	ALERTING SYSTEM CEILING MOUNTED 8" LED LI
	E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S CONTROLLING LIGHTING FED FROM		MANUFACTURED BY HUBBELL. XX-XXR = NEMA CONFIGURATION.		RED VISUAL STROBE LIGHT. E.C. SHALL FURNIS CONDUIT. ALERTING VENDOR TO FURNISH AND
	EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY		CLOCK (TYPE DENOTED) RECESSED JUNCTION BOX. CONDUIT STUBBED UP TO EASILY ACCESSIBLE SPACE	HAS	PLATES, AND ALL WIRE. ALERTING SYSTEM WALL MOUNTED SPEAKER.
	WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY WATTSTOPPER. MODEL LMCT-100.		ABOVE CEILING. X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK).		INSTALL J-BOXES AND 3/4" CONDUIT. ALERTING INSTALL DEVICES, DEVICE PLATES, AND ALL WI
	THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS.	⊢JS	SURFACE MOUNTED JUNCTION BOX, RACEWAY STUBBED UP TO EASILY	HS	ALERTING SYSTEM EXTERIOR WALL RECESS MO
			ACCESSIBLE SPACE ABOVE CEILING. X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK)		GUARD. E.C. SHALL FURNISH AND INSTALL J-BO ALERTING VENDOR TO FURNISH AND INSTALL D
n RCD1	20A, 120V AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER, SINGLE	J PB	FLOOR/CEILING RECESSED JUNCTION BOX PULL BOX	⁵ 3S	ALL WIRE. ALERTING SYSTEM 3 BUTTON ALERT SELECTOR
	RELAY, UL LISTED, U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-211 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE		POWER OR DISTRIBUTION PANEL. HIDDEN LINE REPRESENTS ELECTRICAL CLEARANCE SPACE.		STROBE LIGHT. E.C. SHALL FURNISH AND INSTA ALERTING VENDOR TO FURNISH AND INSTALL D
	DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S CONTROLLING		TRANSFORMER (SIZE AS DENOTED). HIDDEN LINE REPRESENTS ELECTRICAL	^ 4	WIRE. ALERTING SYSTEM SPEAKER VOLUME CONTRO
	LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE	/хх-1	CLEARANCE SPACE. MOTOR		RED VISUAL STROBE LIGHT. E.C. SHALL FURNIS 3/4" CONDUIT. ALERTING VENDOR TO FURNISH
	MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY WATTSTOPPER,	S _B	LOW VOLTAGE MOTORIZED BLIND CONTROLLER. DECOFLEX DRY CONTACT KEYPAD SHALL BE ITEM #1811402 AS MANUFACTURED BY HUNTER DOUGLAS.		PLATES, AND ALL WIRE.
	MODEL LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS.	*	SINGLE-POLE OR TWO-POLE (AS REQUIRED), 250V AC, 1 HP RATED, TOGGLE TYPE	+® +	MICROPHONE OUTLET ANTENNA
		^{\$} M	MANUAL MOTOR STARTED UNIT WITH MELTING ALLOY TYPE THERMAL OVERLOAD RELAY, APPROPRIATELY SIZED THERMAL UNITS, NEMA TYPE 1 OR 4 (AS		FIRE ALARM REMOTE ANNUNCIATOR
RCD2	20A, 120V AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER, DUAL		REQUIRED) ENCLOSURE, AND HANDLE GUARD/LOCK-OFF. SQUARE D CLASS 2510 FG OR FW TYPES (AS REQUIRED) OR APPROVED EQUAL. THREE-POLE, 250V AC, 1	3	PHOTOVOLTAIC SYSTEM SMOKE DETECTOR, E. DEVICE BOX, TILE RING (DEPTH AS REQUIRED).
	RELAY, UL LISTED, U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-212 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE		OR 2 HP RATED (AS REQUIRED), TOGGLE TYPE MANUAL MOTOR STARTER UNIT WITH MELTING ALLOY TYPE THERMAL OVERLOAD RELAY, APPROPRIATELY SIZED	۲	RATE OF RISE SYSTEM HEAT DETECTOR, E.C. S DEVICE BOX, TILE RING (DEPTH AS REQUIRED).
	DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE		THERMAL UNITS, NEMA TYPE 1 ENCLOSURE AND HANDLE GUARD/LOCK-OFF. SQUARE D CLASS 2510 K TYPE OR APPROVED EQUAL.	<u>(</u>)	PHOTOELECTRIC SYSTEM DUCT SMOKE DETEC
	DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE			Ô	FIRE ALARM SYSTEM CARBON MONOXIDE DETE SQUARE DEVICE BOX, TILE RING (DEPTH AS RE
	MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY	₩A #AF	FUSIBLE SWITCH TYPE COMBINATION STARTER UNIT WITH DOOR MOUNTED H-O-A SWITCH AND RED "MOTOR RUNNING" LED TYPE PILOT LIGHT. PROVIDE AUXILIARY	୍ର ଜୁ	FIRE ALARM SYSTEM COMBINATION SMOKE/CO PROVIDE 4" SQUARE DEVICE BOX, TILE RING (D
	WATTSTOPPER, MODEL LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS.	NEMA#	CONTACT. "NEMA #" IDENTIFIES NEMA ENCLOSURE TYPE. "#A" IDENTIFIES DISCONNECT SWITCH AMPACITY RATING. "#AF", IF PRESENT, IDENTIFIES	WF	' FIRE ALARM WALL MOUNTED STROBE LIGHT. E.
			APPROXIMATE FUSE RATING. UNLESS OTHERWISE NOTED, ALL FUSIBLE DISCONNECT SWITCHES SHALL BE COMPLETE WITH APPROPRIATELY SIZED DE,	⊢F ''' -Ç-	DEVICE BOX, TILE RING (DEPTH AS REQUIRED).
RCD3	20A, 120V AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER, TRIPLE		TD, CL, CLASS RK5 FUSES.	HĘ⊲	FIRE ALARM HORN STROBE. E.C. SHALL PROVID RING (DEPTH AS REQUIRED). WP=WEATHERPR(
	RELAY, UL LISTED, U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-213 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE	- F #A	NON-FUSIBLE DISCONNECT SWITCH. "#A" IDENTIFIES DISCONNECT SWITCH	-\ w	P FIRE ALARM BELL. E.C. SHALL PROVIDE 4" SQU
	DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE		AMPACITY RATING. "NEMA #" IDENTIFIES NEMA ENCLOSURE TYPE.	HFO"	(DEPTH AS REQUIRED). WP=WEATHERRPROOF F.A. PULLSTATION, E.C. SHALL PROVIDE 4" SQU
	DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL	F #^	FUSIBLE DISCONNECT SWITCH. "#A" IDENTIFIES DISCONNECT SWITCH AMPACITY	HE	(DEPTH AS REQUIRED).
	EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C. SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY	M #A #AF	RATING. #AF IDENTIFIES DISCONNECT FUSE SIZE. "NEMA #" IDENTIFIES NEMA ENCLOSURE TYPE.	~∘ ¥⊙	SPRINKLER FLOW SWITCH SPRINKLER VALVE TAMPER SWITCH
	WATTSTOPPER, MODEL LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS. WP = WATERPROOF			PF	FIRE PUMP FAIL. FIRE ALARM ADDRESSABLE M
	PROTECTIVE COVER.	O ?	FLOOR BOX, ON GRADE CONCRETE. MODEL #RFBE	PR R	FIRE PUMP PHASE REVERSAL. FIRE ALARM ADI FIRE PUMP RUN. FIRE ALARM ADDRESSABLE M
				⊢_p	FIRE PUMP RUN. FIRE ALARM ADDRESSABLE M BELL
					BUZZER CHIME
				+ <u></u> ⊦●	DOOR SIGNAL - APT. UNIT
		1		FR	FIRE ALARM SHUT-DOWN RELAY

D		
	<u>SYMBOL</u>	DESCRIPTION
DISCONNECT (FUSED)	ES	ELECTRIC STRIKE, (AS PROVIDED BY SECURITY CONTRACTOR) JUNCTION BOX AT DOOR STRIKE LOCATION.
KER		MAGNETIC LOCK
	-3 2	DOOR CONTACTS
	Н <mark>В</mark>	BIO-METRIC READER, CONSISTING OF 4" SQUARE JUNCTION BOX AT 48" A.F.F., 120V/24V LOW VOLTAGE TRANSFORMER, TILE RING (DEPTH AS REQUIRED), BIO-
ON WIRING DIAGRAMS		METRIC READER (AS PROVIDED BY OWNERS SECURITY CONTRACTOR), JUNCTION BOX OVERTOP OF DOOR JAM, 3/4" CONDUIT CONNECTING JUNCTION
SISTING OF ONE 4 PORT COVERPLATE, 4" SQUARE 5 REQUIRED), (1) 1-1/4" CONDUIT WITH PULLSTRINGS		BOXES, AND CONDUIT STUBBED UP INTO EASILY ACCESSIBLE CEILING SPACE FROM TOP JUNCTION BOX. REFER TO DRAWING E602 FOR DETAILS. OWNER'S
AREST ACCESSIBLE CEILING. MOUNTING HEIGHT=18" EVICE BOX UNLESS OTHERWISE NOTED.		SECURITY VENDOR TO PROVIDE ALL WIRING, HEAD-END EQUIPMENT, DEVICES AND TERMINATIONS
IR TO FURNISH AND INSTALL DEVICES, DEVICE	⊢ <mark>₽</mark>	HAND SWIPE PROXIMITY READER, CONSISTING OF 4" SQUARE JUNCTION BOX AT
CONSISTING OF ONE 4 PORT COVERPLATE, 4" DEPTH AS REQUIRED), 1-1/4" CONDUIT WITH		48" A.F.F., TILE RING (DEPTH AS REQUIRED), PROXIMITY READER (AS PROVIDED BY OWNERS SECURITY CONTRACTOR), JUNCTION BOX OVERTOP OF DOOR JAM,
INTO THE NEAREST ACCESSIBLE CEILING. F TO THE CENTER OF DEVICE BOX UNLESS		3/4" CONDUIT CONNECTING JUNCTION BOXES, AND CONDUIT STUBBED UP INTO EASILY ACCESSIBLE CEILING SPACE FROM TOP JUNCTION BOX.
MUNICATIONS VENDOR TO FURNISH AND INSTALL , AND WIRE.	⊢●	SINGLE BUTTON "PUSH TO ENTER" DEVICE. E.C. SHALL FURNISH AND INSTALL J-
OUTLET CONSISTING OF ONE 4 PORT COVERPLATE,		BOX AND 3/4" CONDUIT WITH PULLSTRING STUBBED UP ABOVE CEILING. SECURITY VENDOR TO FURNISH AND INSTALL DEVICES, DEVICE PLATES, AND
G (DEPTH AS REQUIRED), 1-1/4" CONDUIT WITH INTO THE NEAREST EASILY ACCESSIBLE CEILING	H°°	WIRE. KEYPAD
IT=18" AFF TO THE CENTER OF DEVICE BOX UNLESS NUNICATIONS VENDOR TO FURNISH AND INSTALL		WALL MOUNTED MOTION DETECTOR
, AND WIRE.		CEILING MOUNTED MOTION DETECTOR NURSE CALL EMERG. STATION
OUTLET CONSISTING OF ONE 4 PORT COVERPLATE, G (DEPTH AS REQUIRED), 1-1/4" CONDUIT WITH	+	NURSE CALL CODE BLUE EMERG. STATION
INTO THE NEAREST EASILY ACCESSIBLE CEILING IT=48" AFF TO THE CENTER OF DEVICE BOX UNLESS	+ + (NURSE CALL DUTY STATION NURSE CALL STAFF STATION
NUNICATIONS VENDOR TO FURNISH AND INSTALL AND WIRE.	+	NURSE CALL SINGLE PATIENT STATION
	+	NURSE CALL DUAL PATIENT STATION
CONSISTING OF JUNCTION BOX AND TILE RING VICES, DEVICE PLATES, AND CAT-6 WIRE PROVIDED	HŘ 	NURSE CALL DOME LIGHT (2 LAMP) CCTV CAMERA LOCATION, CONSISTING OF 4" SQUARE JUNCTION BOX, CAT-6
TOR. VIDE 4" SQUARE DEVICE BOX, TILE RING (DEPTH AS	ч WP	CABLE RAN BACK TO HEAD END EQUIPMENT, TILE RING(DEPTH AS REQUIRED), AND 1" CONDUIT STUBBED UP INTO EASILY ACCESSIBLE CEILING SPACE WHEN
" CONDUIT TO NEAREST ACCESSIBLE SPACE, RG-6 OUTLET. MOUNTING HEIGHT = 18" A.F.F. TO CENTER		WALL MOUNTED. ALL DEVICES, DEVICE PLATES, AND WIRING PROVIDED BY SECURITY VENDOR. WP=WEATHERPROOF COVER.
CONTRACTOR TO FURNISH AND INSTALL DEVICES, E.	~	CCTV CAMERA WITH PAN/TILT DRIVE LOCATION, CONSISTING OF 4" SQUARE
		JUNCTION BOX, CAT-6 CABLE RAN BACK TO HEAD END EQUIPMENT, TILE RING(DEPTH AS REQUIRED), AND 1" CONDUIT STUBBED UP INTO EASILY
L FHA TROUBLE STROBE LIGHT. E.C. SHALL FURNISH D 3/4" CONDUIT. ALERTING VENDOR TO FURNISH AND	WP	ACCESSIBLE CEILING SPACE WHEN WALL MOUNTED. ALL DEVICES, DEVICE PLATES, AND WIRING PROVIDED BY SECURITY VENDOR. WP=WEATHERPROOF
PLATES, AND ALL WIRE.		COVER 360 DEGREE CCTV CAMERA DRIVE LOCATION, CONSISTING OF 4" SQUARE
G MOUNTED 8" SPEAKER. E.C. SHALL FURNISH AND CONDUIT. ALERTING VENDOR TO FURNISH AND	360 WP	JUNCTION BOX, CAT-6 CABLE RAN BACK TO HEAD END EQUIPMENT, TILE RING(DEPTH AS REQUIRED), AND 1" CONDUIT STUBBED UP INTO EASILY
PLATES, AND ALL WIRE. G MOUNTED OMNI-DIRECTIONAL SPEAKER. E.C. SHALL		ACCESSIBLE CEILING SPACE WHEN WALL MOUNTED. ALL DEVICES, DEVICE PLATES, AND WIRING PROVIDED BY SECURITY VENDOR. WP=WEATHERPROOF
OXES AND 3/4" CONDUIT. ALERTING VENDOR TO VICES, DEVICE PLATES, AND ALL WIRE.		COVER. WALL MOUNTED VIDEO DOORBELL MASTER STATION LOCATION. CONSISTING OF 3
G MOUNTED BATHROOM SPEAKER. ALERTING SYSTEM	+© MS	GANG JUNCTION BOX. DEVICE, WIRING AND TERMINATIONS PROVIDED BY SECURITY CONTRACTOR. E.C. SHALL FURNISH AND INSTALL RECESSED 4" SQ.
IT. E.C. SHALL FURNISH AND INSTALL J-BOXES AND 3/4" DOR TO FURNISH AND INSTALL DEVICES, DEVICE		JUNCTION BOX AND 3/4" C. WITH PULLSTRING STUBBED UP TO ACCESSIBLE SPACE ABOVE CEILING.
G MOUNTED 8" LED LIGHT/SPEAKER. ALERTING SYSTEM	+© DS	STAINLESS STEEL WEATHER RESISTANT DOOR STATION LOCATION WITH VIDEO CAMERA. DEVICE, WIRING AND TERMINATIONS PROVIDED BY SECURITY
T. E.C. SHALL FURNISH AND INSTALL J-BOXES AND 3/4" DOR TO FURNISH AND INSTALL DEVICES, DEVICE		CONTRACTOR. E.C. SHALL FURNISH AND INSTALL RECESSED 4" SQ. JUNCTION BOX AND 3/4" C. WITH PULLSTRING STUBBED UP TO ACCESSIBLE SPACE ABOVE CEILING.
MOUNTED SPEAKER. E.C. SHALL FURNISH AND	$\langle 1 \rangle$	KEYED NOTE (SEE KEYNOTE ON PLAN)
CONDUIT. ALERTING VENDOR TO FURNISH AND PLATES, AND ALL WIRE.	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	TYPICAL BRANCH CIRCUITING HOME RUN SYMBOL. GENERALLY, 15A AND 20A
NOR WALL RECESS MOUNTED SPEAKER WITH GRILL	► X-#	BRANCH CIRCUITS CONSISTS OF (2) #12 AWG CU. AND (1) #12 AWG CU. GND. IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. "X" IDENTIFIES PANELBOARD
SH AND INSTALL J-BOX AND 3/4" CONDUIT. RNISH AND INSTALL DEVICES, DEVICE PLATES, AND		DESIGNATION; "#" IDENTIFIES PANELBOARD CIRCUIT NUMBER.
ON ALERT SELECTOR. ALERTING SYSTEM RED VISUAL	÷	LIGHT AND SOLID SYMBOL INDICATES EXISTING TO REMAIN
L FURNISH AND INSTALL J-BOXES AND 3/4" CONDUIT. RNISH AND INSTALL DEVICES, DEVICE PLATES, AND ALL	-	DARK AND SOLID SYMBOL INDICATES NEW WORK
ER VOLUME CONTROL STATION. ALERTING SYSTEM	÷	DARK AND DASHED SYMBOL INDICATES DEMOLISHED.
T. E.C. SHALL FURNISH AND INSTALL J-BOXES AND VENDOR TO FURNISH AND INSTALL DEVICES, DEVICE	OFRPT1	FIRE-RATED POKE-THRU W/ (2) 20A, 120V AC DUPLEX RECEPTACLES, MULTIMEDIA CONNECTIONS & SURFACE COVER. FIRE RATED POKE-THRU SHALL BE MODEL #
· · · · · · · · · · · · · · · · · · ·		8ATC2BK AS MANUFACTURED BY WIREMOLD LEGRAND.
	[] MM	4 GANG WALLBOX. PROVIDE 11"x13"x3 7/8" DEEP WALL BOX, TILE RING (DEPTH AS REQUIRED), STUB-UP (1) 1-1/4" CONDUIT FROM WALL BOX UP TO DATA OUTLET
UNCIATOR		MOUNTED ABOVE BOX AT 72" A.F.F. FURNISH BOX WITH TWO GANGS FOR 5-20R DUPLEX RECEPTACLES, ONE GANG FOR (1) COAX "F", (1) HDMI AND (2) RJ-45
SMOKE DETECTOR, E.C. SHALL PROVIDE 4" SQUARE EPTH AS REQUIRED).		ETHERNET CONNECTIONS, AND ONE GANG SPARE. MOUNTING HEIGHT TO BOTTOM OF BOX SHALL BE AS COORDINATED WITH ARCHITECTURAL DRAWINGS.
AT DETECTOR, E.C. SHALL PROVIDE 4" SQUARE EPTH AS REQUIRED).		WALLBOX MODEL SHALL BE #EFSB4 AS MANUFACTURED BY WIREMOLD LEGRANDE.
DUCT SMOKE DETECTOR WITH REMOTE TEST	WM	4" WIDE STAINLESS STEEL RACEWAY, 20A-120V DUPLEX RECEPTACLE @ EVERY 6" O.C. RACEWAY SHALL BE #DS4000 AS MANUFACTURED BY WIREMOLD LEGRANDE.
BON MONOXIDE DETECTOR, E.C. SHALL PROVIDE 4" E RING (DEPTH AS REQUIRED).		PROVIDE RACEWAY WIRE DIVIDER FOR COMMUNICATIONS INSTALLATIONS WHERE SHOWN ON DRAWINGS.
IBINATION SMOKE/CO2 DETECTOR. E.C. SHALL CE BOX, TILE RING (DEPTH AS REQUIRED).	$\vdash OS$	1000 SQ. FT. COVERAGE WALL MOUNTED OCCUPANCY SENSOR., 24V DC, PIR TECHNOLOGY (PASSIVE INFRARED). SENSOR SHALL BE MODEL NUMBER LMPX-100
ED STROBE LIGHT. E.C. SHALL PROVIDE 4" SQUARE		AS MANUFACTURED BY WATTSTOPPER OR EQUAL. OCCUPANCY SENSOR SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND
EPTH AS REQUIRED). WP = WEATHERPROOF		OCCUPANCY SENSOR SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.
E. E.C. SHALL PROVIDE 4" SQUARE DEVICE BOX, TILE D). WP=WEATHERPROOF, LF=LOW FREQUENCY	⊢ŒĐ	WALL MOUNTED DAYLIGHT HARVESTING DIGITAL CLOSED LOOP SINGLE ZONE
ALL PROVIDE 4" SQUARE DEVICE BOX, TILE RING		PHOTOCELL, 24V DC. SENSOR SHALL BE MODEL NUMBER LMLS-400 WITH WALL MOUNT BRACKET #LMLS-MB2 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. PHOTOCELL SHALL BE FED FROM DIGITAL ROOM CONTROLLER. CABLING
P=WEATHERRPROOF IALL PROVIDE 4" SQUARE DEVICE BOX, TILE RING		BETWEEN CONTROLLER AND PHOTOCELL SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.
R SWITCH		
IRM ADDRESSABLE MODULE SAL. FIRE ALARM ADDRESSABLE MODULE		
IRM ADDRESSABLE MODULE		
RELAY		

			FI FCTRIC	ΔΙ	ABBREVIAT		T2LL2		
1P	1 POLE (2P, 3P, 4P, ETC.)	DCP	DOMESTIC WATER	HT	HEIGHT	NEMA	NATIONAL ELECTRICAL	SWBD	SWITCHBOARD
			CIRCULATING PUMP	HTG	HEATING		MANUFACTURER'S	SYM	SYMMETRICAL
A	AMPERE	DEPT	DEPARTMENT	HTR	HEATER		ASSOCIATION	SYS	SYSTEM
AC	ABOVE COUNTER OR AIR	DET	DETAIL	HV	HIGH VOLTAGE	NFDS	NON-FUSED SAFETY	TEL	TELEPHONE
	CONDITIONER	DIA	DIAMETER DISCONNECT	HVAC	HEATING, VENTILATING AND	NIC	DISCONNECT SWITCH	TEL/D/	
ACLG ADO	ABOVE CEILING AUTOMATIC DOOR OPENER	DISC DIST	DISCONNECT	HWP	AIR CONDITIONING HYDRONIC WATER PUMP	NIC NL	NOT IN CONTRACT NIGHT LIGHT	TERM TL	TERMINAL TWIST LOCK
ADO	AMP FRAME	DIST	DOWN		HIDRONIC WATER FUMP	N.O.	NORMALLY OPEN	TR	TAMPER RESISTANT
AFF	ABOVE FINISHED FLOOR	DPR	DAMPER	IC	INTERRUPTING CAPACITY	NPF	NORMAL POWER FACTOR		THERMOSTAT
AFG	ABOVE FINISHED GRADE	DS	SAFETY DISCONNECT SWITCH	IG	ISOLATED GROUND	NTS	NOT TO SCALE	TTC	TELEPHONE TERMINAL
AFI	ARC FAULT CIRCUIT	DT	DOUBLE THROW	IMC	INTERMEDIATE METAL CONDUIT				CABINET
	INTERRUPTER	DWG	DRAWING	INCAND	INCANDESCENT	OH	OVERHEAD	TV	TELEVISION
AHU	AIR HANDLING UNIT			IR	INFRARED	OL	OVERLOADS	TVTC	TELEVISION TERMINAL
AL	ALUMINUM	EC	ELECTRICAL CONTRACTOR	I/W	INTERLOCK WITH				CABINET
ALT	ALTERNATE	ELEC	ELECTRIC, ELECTRICAL			PA	PUBLIC ADDRESS	TYP	TYPICAL
AMP	AMPERE	ELEV	ELEVATOR	J-BOX	JUNCTION BOX	PB	PULL BOX OR PUSHBUTTON		
AMPL	AMPLIFIER	EM	EMERGENCY	101		PE	PNEUMATIC ELECTRIC	UC	UNDER COUNTER
		EMS	ENERGY MANAGEMENT SYSTEM	KV	KILOVOLT KILOVOLT-AMPERE	PED	PEDESTAL POWER FACTOR	UE	
	(APPROXIMATELY T AQUASTAT	EMT EP	ELECTRICAL METALLIC TUBING ELECTRIC PNEUMATIC	KVA KVAR	KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE	PF PH	POWER FACTOR	UG UH	UNDERGROUND UNIT HEATER
AQ-STA	ARCHITECT, ARCHITECTURAL		EQUIPMENT	KW	KILOVOLT-AMPERE REACTIVE	PIV	PHASE POST INDICATING VALVE	U.O.N.	UNLESS OTHERWISE NOTED
ANOIT	AMP SWITCH	EWC	ELECTRIC WATER COOLER	KWH	KILOWATT HOUR	PNL	PANEL	U.U.N. UT	UNDERGROUND TELEPHONE
AT	AMP TRIP	EXIST	EXISTING	INWIT	REOWATT HOON	PP	POWER POLE	UTIL	UTILITY
ATS	AUTOMATIC TRANSFER SWITCH	EXH	EXHAUST	LOC	LOCATE OR LOCATION	PR	PAIR	UV	UNIT VENTILATOR OR
AUTO	AUTOMATIC	EXP	EXPLOSION PROOF	LT	LIGHT	PRI	PRIMARY	0.	ULTRAVIOLET
AUX	AUXILIARY			LTG	LIGHTING	PROJ	PROJECTION		
AV	AUDIO VISUAL	FA	FIRE ALARM	LTNG	LIGHTNING	PRV	POWER ROOF VENTILATOR	V	VOLT
AWG	AMERICAN WIRE GAUGE	FABP	FIRE ALARM BOOSTER POWER	LV	LOW VOLTAGE	PT	POTENTIAL TRANSFORMER	VA	VOLT-AMPERES
			SUPPLY PANEL			PVC	POLYVINYL CHLORIDE	VDT	VIDEO DISPLAY TERMINAL
BATT	BATTERY	FACP	FIRE ALARM CONTROL PANEL	MAX	MAXIMUM		(CONDUIT)	VERT	VERTICAL
BD	BOARD	FCU	FAN COIL UNIT		MAGNETIC STARTER	PWR	POWER	VFD	VARIABLE FREQUENCY DRIVE
BFG	BELOW FINISHED GRADE	FIXT	FIXTURE	M/C	MOMENTARY CONTACT	0.144		VOL	VOLUME
BLDG	BUILDING	FLR	FLOOR	MC	MECHANICAL CONTRACTOR	QUAN	QUANTITY	14/	\A/A TT
BMS	BUILDING MANAGEMENT SYSTEM	FLUOR FU	FLUORESCENT FUSE	MCB MCC	MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER	RCPT	RECEPTACLE	W W/	WATT WITH
	STOTEM	FUDS	FUSED SAFETY DISCONNECT	MDC	MAIN DISTRIBUTION CENTER	REQD	REQUIRED	WG	WITH WIRE GUARD
С	CONDUIT	FUD3	SWITCH	MDC	MAIN DISTRIBUTION PANEL	RM	ROOM	WH	WATER HEATER
CAB	CABINET		SWIIGH	MFR	MANUFACTURER	RSC	RIGID STEEL CONDUIT	W/O	WITHOUT
CAT	CATALOG	GA	GAUGE	MFS	MAIN FUSED DISCONNECT	RTU	ROOF TOP UNIT	WP	WEATHERPROOF
CATV	CABLE TELEVISION	GAL	GALLON		SWITCH				
CB	CIRCUIT BREAKER	GALV	GALVANIZED	MH	MOUNTING HEIGHT	SC	SURFACE CONDUIT	XFMR	TRANSFORMER
CCTV	CLOSED CIRCUIT TELEVISION	GC	GENERAL CONTRACTOR	MIC	MICROPHONE	SEC	SECONDARY	XFR	TRANSFER
CKT	CIRCUIT	GEN	GENERATOR	MIN	MINIMUM	SHT	SHEET		
CLG	CEILING	GFCI	GROUND FAULT CIRCUIT	MISC	MISCELLANEOUS	SIM	SIMILAR		
COMB	COMBINATION		INTERRUPTER	MLO	MAIN LUGS ONLY	S/N	SOLID NEUTRAL	Z	
CMPR	COMPRESSOR	GFEP	GROUND FAULT EQUIPMENT	MMS	MANUAL MOTOR STARTER	SPEC	SPECIFICATION		
CONN	CONNECTION		PROTECTOR	MOA	MULTIOUTLET ASSEMBLY	SPKR	SPEAKER	Δ	
		GND		MSP	MOTOR STARTER PANELBOARD	SP	SPARE		
CONT	CONTINUATION OR CONTINUOUS	GRS	GALVANIZED RIGID STEEL (CONDUIT)	MSBD MT	MAIN SWITCHBOARD MOUNT	SR SS	SURFACE RACEWAY STAINLESS STEEL		ANGLE AT
	CONTRACTOR	CAD BU	(CONDUTT) GYPSUM BOARD	MT.C	EMPTY CONDUIT	SS SSW	STAINLESS STEEL SELECTOR SWITCH	-	DELTA
CONTR	CONVECTOR			MTS	MANUAL TRANSFER SWITCH	S/S	STOP/START PUSHBUTTONS		FEET
CP	CIRCULATING PUMP	HOA	HANDS-OFF-AUTOMATIC	MTR	MOTOR, MOTORIZED	STA	STATION		NCHES
CRT	CATHODE-RAY TUBE		SWITCH			STD	STANDARD		NUMBER
CT	CURRENT TRANSFORMER	HORIZ	HORIZONTAL	N.C.	NORMALLY CLOSED	SURF	SURFACE MOUNTED		PHASE
CTR	CENTER	HP	HORSEPOWER	NEC	NATIONAL ELECTRICAL CODE	SW	SWITCH		CENTER LINE
CU	COPPER	HPF	HIGH POWER FACTOR						PLATE

ELECTRICAL DRAWINGS

E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E101	ELECTRICAL SITE PLAN
E201	ELECTRICAL LIGHTING AND POWER PLANS
E801	ELECTRICAL SCHEDULES AND DETAILS
P101	PLUMBING SITE PLAN AND DETAILS

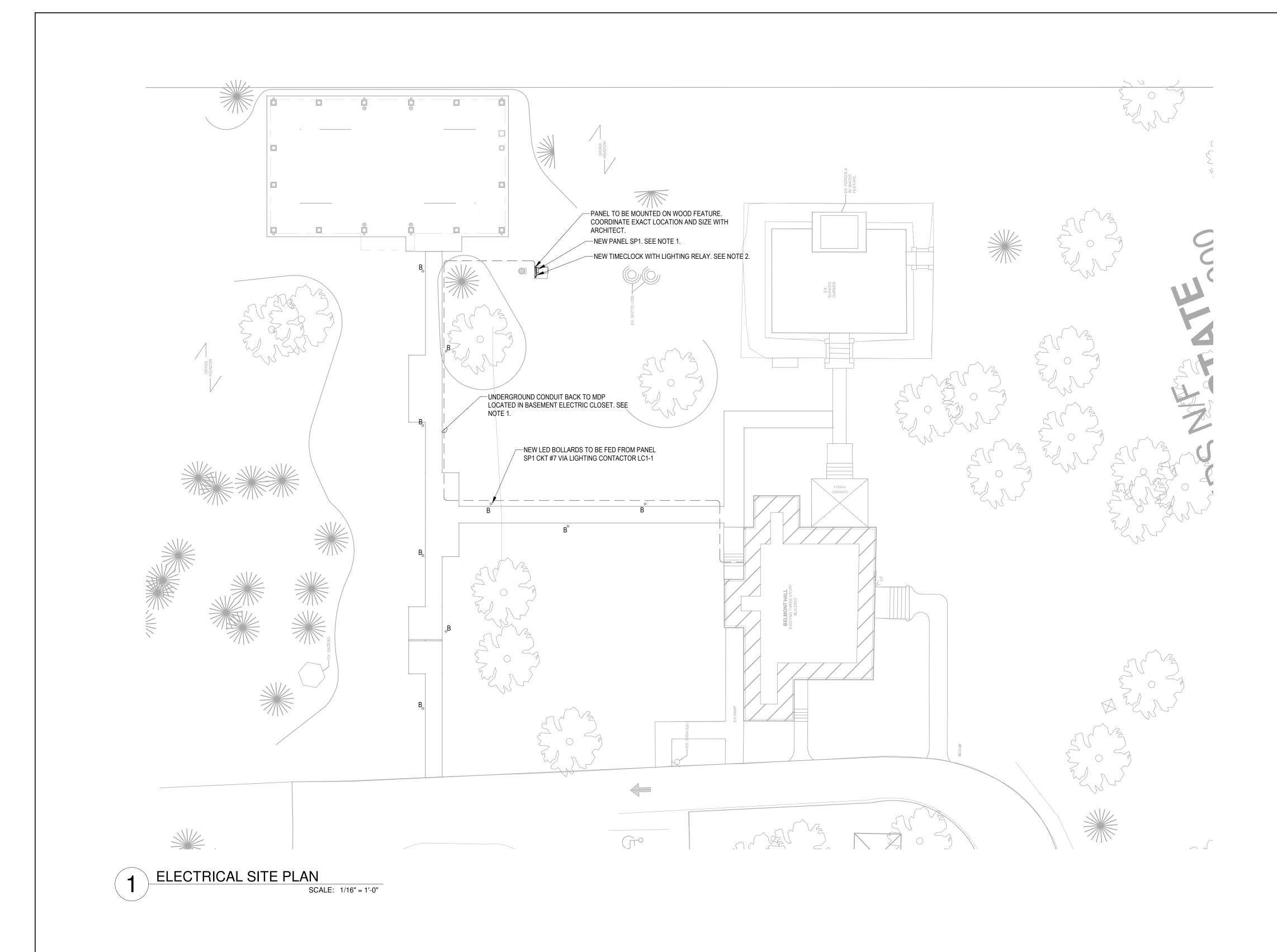
GENERAL ELECTRICAL NOTES

A. ALL WORK SHALL BE COORDINATED WITH OWNER AND ON-SITE ARCHAEOLOGICAL TEAM. ARCHAEOLOGICAL TEAM SHALL HAVE FULL AUTHORITY TO PUT WORK ON HOLD AS REQUIRED TO ALLOW FOR EVALUATION OF ANY UNFORSEEN FIELD CONDITIONS THEY DEEM WORTHY OF INVESTIGATION.

B. ALL WORK INSIDE EXISTING BUILDINGS SHALL BE COORDINATED WITH OWNER. E.C. SHALL MINIMIZE DAMAGE TO EXISTING HISTORICAL BUILDING FEATURES. IN THE EVENT OF ANY UNFORSEEN CONDITIONS THAT WOULD AFFECT THE PRESERVATION OF HISTORICAL FEATURES, ALL WORK SHALL BE IMMEDIATELY PAUSED AND THE OWNER NOTIFIED.

BECKER MORGAN G R O U P ARCHITECTURE ENGINEERING Delaware 309 S Governors Ave Dover, DE 19904 302.734.7950 The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 <u>Maryland</u> 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 <u>North Carolina</u> 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEER 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 fax: 302-738-7175 PROJECT TITLE BELMONT HALL EVENT PAVILLION 713 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977 ISSUED FOR PERMIT ONLY ISSUED: 06/16/2023 SHEET TITLE ELECTRICAL SYMBOLS AND ABBREVIATIONS ISSUE BLOCK
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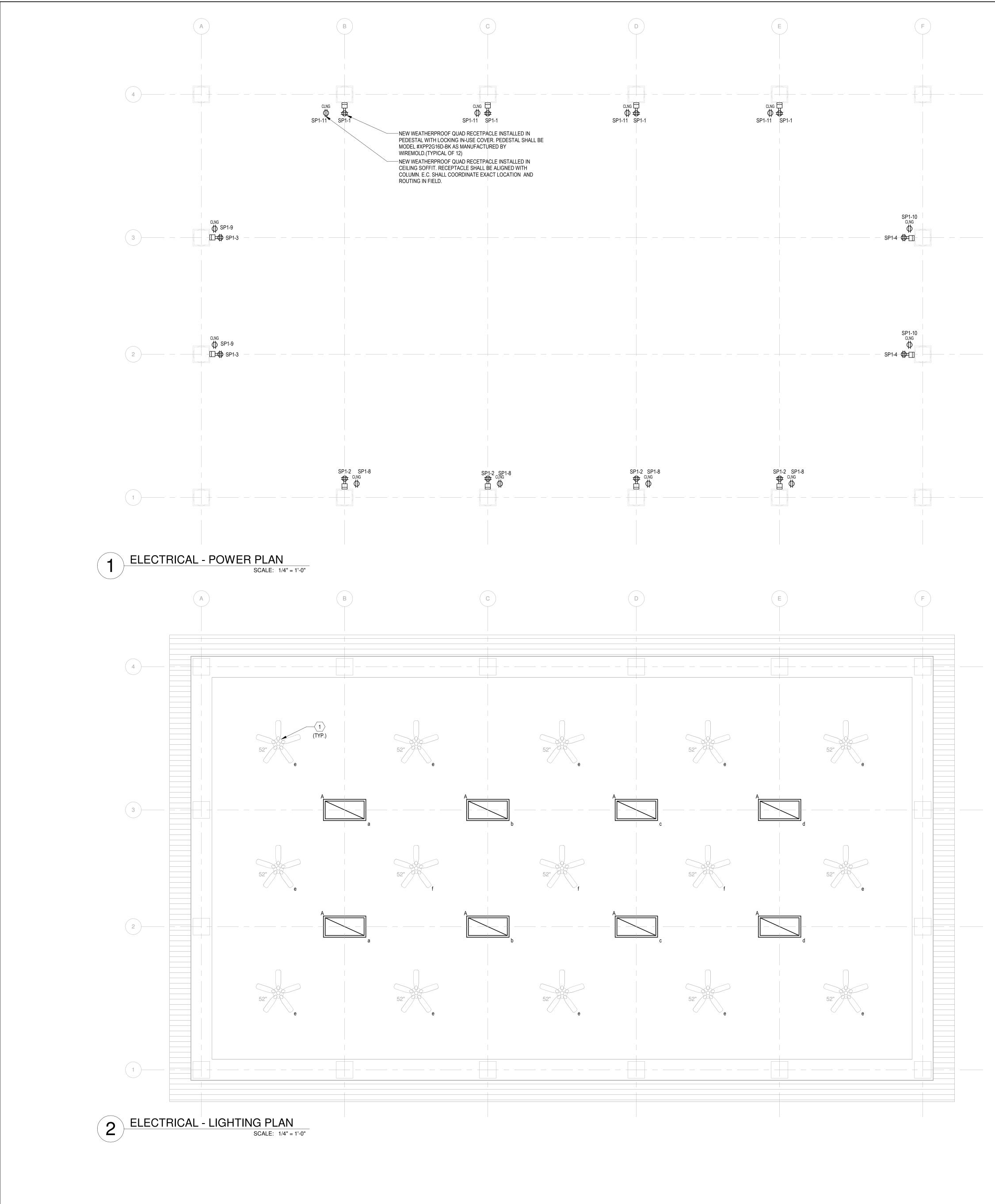
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NEW PANEL SP1 FED FROM EXISTING PANEL MDP LOCATED IN
BASEMENT ELECTRIC ROOM. E.C. SHALL PROVIDE NEW, 3 POLE,
208V, 60A BREAKER IN AVAIALBE SPACE IN EXISTING MDP. CIRCUI
SHALL SUPPLY PANEL SP1 VIA A 1 1/4" CONDUIT CONTAINING (3)#4
AWG CU, (1)#4 AWG CU NEUTRAL, AND (1)#4 AWG CU GND. CONDU
SHALL BE BURIED AT A MINIMUM DEPTH OF 24" TO THE TOP OF TH
CONDUIT. E.C. SHALL COORDINATE ALL TRENCHING WITH OTHER
TRADES, AND ON-SITE ARCHAELOGOY TEAM.
NEW TIMECLOCK/PHOTOCELL AND LIGHTING RELAY SERVING NEW
LED BOLLARDS. E.C. SHALL COORDINATE MOUNTING AND
INSTALLTION IN FIELD. REFER TO LIGHTING CONTROL DETAIL ON
THIS SHEET FOR DETAILS.
ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED
BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED
GRADE AND SHALL BE MINIMUM #10 AWG CU.

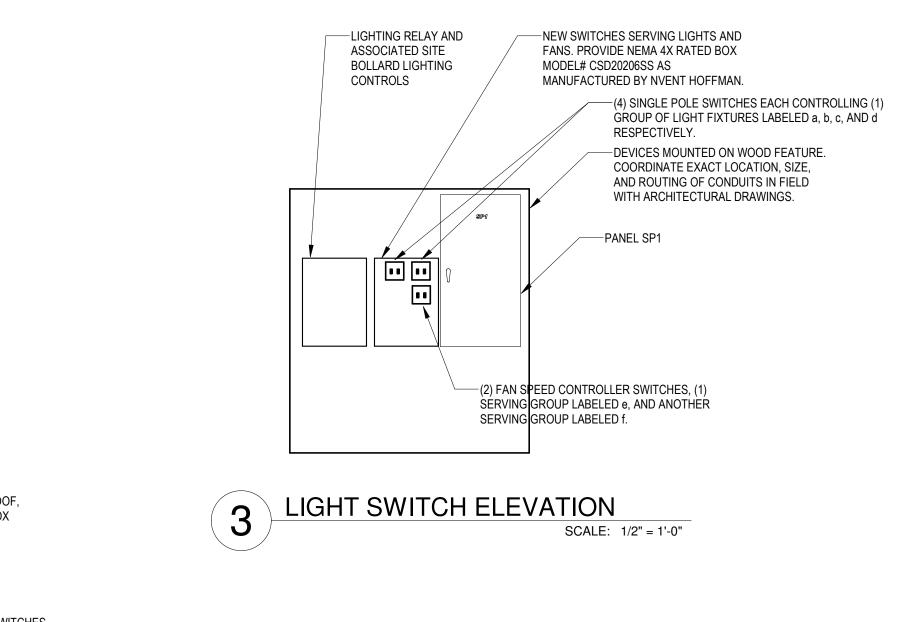
BECKER MORGAN DCATED IN EW, 3 POLE, 6 MDP. CIRCUIT NTAINING (3)#4 GND. CONDUIT HE TOP OF THE ROUI ARCHITECTURE WITH OTHER ENGINEERING SERVING NEW <u>Delaware</u> 309 S Governors Ave DETAIL ON Dover, DE 19904 302.734.7950 INSTALLED The Tower at STAR Campus 100 Discovery Boulevard, Suite 102 Newark, DE 19713 302.369.3700 Maryland 312 West Main St, Suite 300 Salisbury, MD 21801 410.546.9100 North Carolina 3333 Jaeckle Drive, Suite 120 Wilmington, NC 28403 910.341.7600 www.beckermorgan.com DEDC, LLC FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL ENGINEER 315 SOUTH CHAPEL STREET NEWARK, DELAWARE 19711 302-738-7172 fax: 302-738-7175 PROJECT TITLE BELMONT HALL EVENT PAVILLION 713 SMYRNA LEIPSIC ROAD SMYRNA, DELAWARE 19977 ISSUED FOR PERMIT ONLY 06/16/2023 ISSUED: SHEET TITLE ELECTRICAL SITE ISSUE BLOCK
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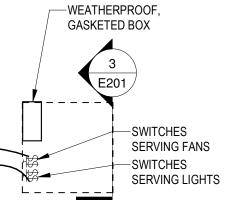
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(GENERAL NOTES - POWER AND LIGHTING
	SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTINGDHEIGHTS OF EXTERIOR LIGHTING FIXTURES.
	REFER TO SECTION 26 0519 FOR MINIMUM CONDUCTOR SIZE ADJUSTMENTS FOR VOLTAGE DROP.
	PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.

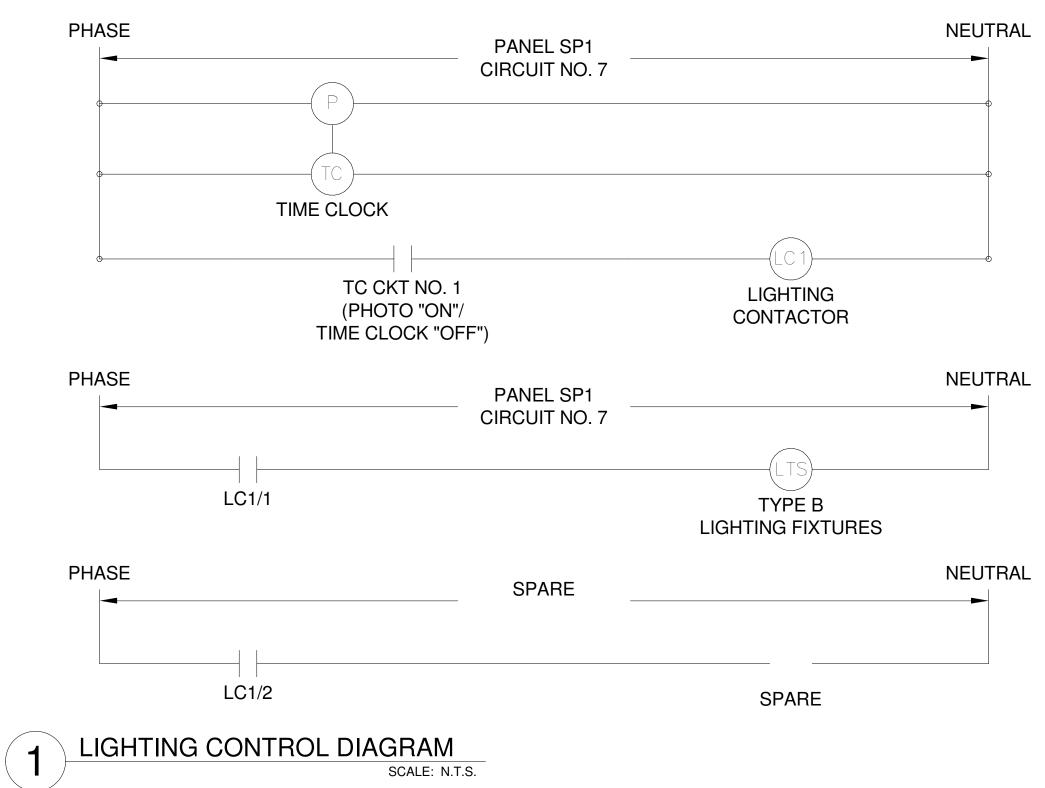
KEYNOTES NEW CEILING FAN MODEL #53347 AS MANUFACTURED BY HUNTER. COORDINATE FINISH WITH ARCHITECT PRIOR TO PURCHASING.





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	LIGHTING FIXTURE SCHEDULE											
TAG	Wattage	Voltage (user)	Lamp Type	Color Temperature	Model Number	Description	Text Comment					
A	53W	120V	LED	3500 K	VISIONEERING / LRTA-C292X4-LED-8-35K-063L-UNV-B39-C03	2X4 RECESSED LED FIXTURE, WET LOCATION LISTED FOR EXTERIOR USE						
В	37W	120V	LED	3500 K	ELITE LIGHTING / OBO-103-LED	36" LED BOLLLARD						



	Branch Panel: SP1												
Location: SEE DWG E101 Supply From: MDP Mounting: Surface Enclosure: Outdoor					Volts: 208Y/120 Phases: 3 Wires: 4						A.I.C. Rating: 65kA Mains Type: MCB Mains Rating: 100.0 A MCB Rating: 60.0 A		
Notes:													
СКТ	Civervit Deserviction	Trin	Delee		٨		В		•	Delee	Tuin	Circuit Deceription	СКТ
	Circuit Description REC-PAVILLION	20.0 A	Poles		A 720 VA		D 	•		Poles	Trip	Circuit Description REC-PAVILLION	
1 3	REC-PAVILLION	20.0 A	1 1	720 VA	720 VA		360 VA			1		REC-PAVILLION REC-PAVILLION	2
5	LTS-PAVILLION	20.0 A	1			300 VA	300 VA	0 VA	0 VA	1		FANS-PAVILLION	6
7	LTS-BOLLARDS	20.0 A	1	0 VA	0 VA			UVA	0 17	1		REC-PAVILLION SOFFIT	8
9	REC-PAVILLION SOFFIT	20.0 A	1	0 1/1	0 1/1	0 VA	0 VA			1		REC-PAVILLION SOFFIT	10
11	REC-PAVILLION SOFFIT	20.0 A	1			0 1/1	0 1/1	0 VA	0 VA	1		SPARE	12
13	SPARE	20.0 A	1	0 VA	0 VA				• • • •	1		SPARE	14
15	SPARE	20.0 A	1			0 VA	0 VA			1		SPARE	16
17	SPARE	20.0 A	1					0 VA	0 VA	1		SPARE	18
		Tota	I Load:	144	0 VA	720	VA	0	VA				
		Total	Amps:	12	.9 A	6.9	9 A	0.0) A	J			
Legend	assification	Coni	nected I	_oad	Der	nand Fa	ctor	Estim	nated De	mand		Panel Totals	
Other			0 VA			0.00%			0 VA				
RCPT			2160 VA			100.00%	00.00%		2160 VA			Total Conn. Load: 2160 VA	
												Total Est. Demand: 2160 VA	
												Total Conn.: 6.0 A	
												Total Est. Demand: 6.0 A	
Notes:													

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