



PRINT RECORD

DESCRIPTION 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By Job No.

Sheet Title

COVER SHEET

Sheet No.

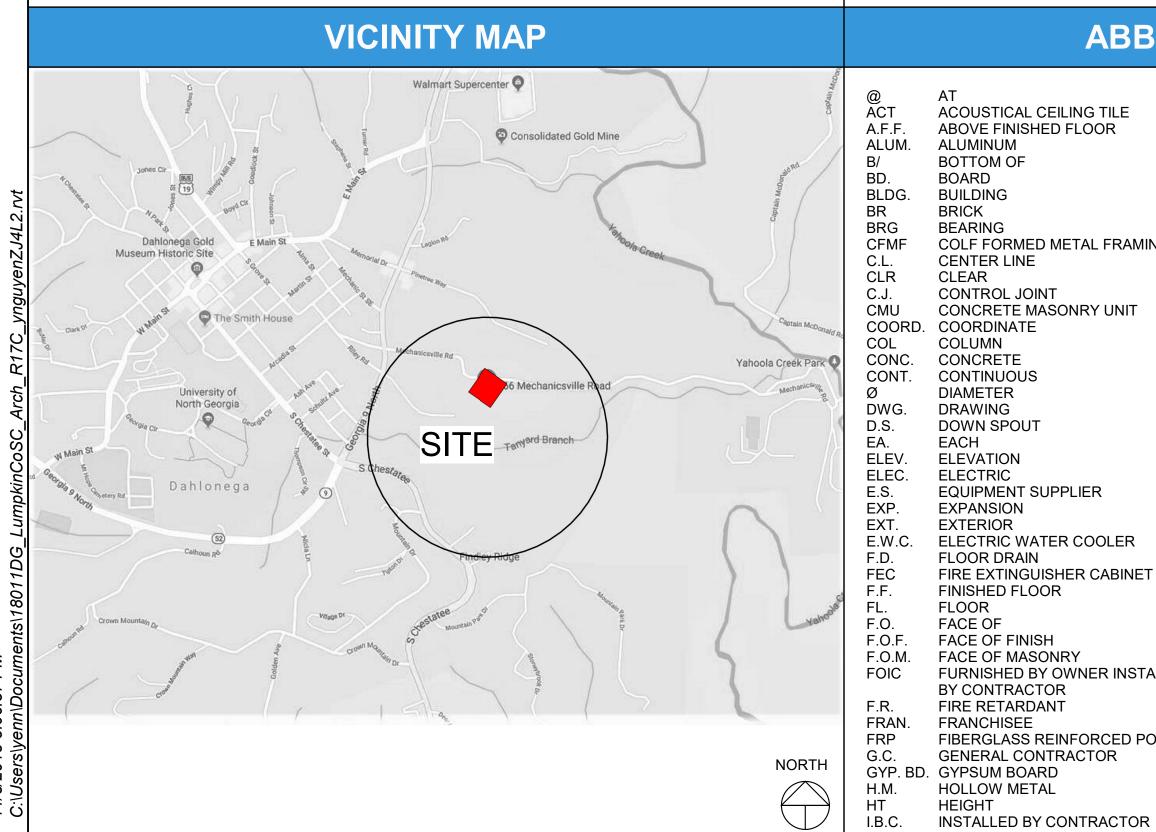
RELEASED FOR CONSTRUCTION

	PROJECT DIRE	ECTORY	DRA	WING INDEX		
CLIENT:	LUMPKIN COUNTY SENIOR CENTER 266 MECHANICSVILLE RD.	LINDA KIRKPATRICK TEL: 706-864-2358	SHEET NO	SHEET NAME	SHEET N	O. SHEET NAME
	DAHLONEGA, GA 30533	linda.kirkpatrick@lumpkincounty.gov	01 COVER		S-2.02	ROOF FRAMING PLAN
			CS-1.01	COVER SHEET	S-3.01	FOUNDATION DETAILS
			02 LIFE SAFET	Y	S-4.01	MASONRY DETAILS
ARCHITECT:	JERICHO DESIGN GROUP	JENNIFER FRANKLIN	LS-1.01	LIFE SAFETY	S-5.01	STEEL FRAMING DETAILS
	3333 PRESTON RIDGE ROAD SUITE 380	TEL: 770-597-4944 jfranklin@jericho-design.com	03 GENERAL		S-6.01	WOOD FRAMING DETAILS
	ALPHARETTA, GA 30005	jiranikin e jenene decign.com	G-1.01	PHASING & ADA REGULATORY & PARTITIONS	S-6.02	TRUSS PROFILES
	· · · · · · · · · · · · · · · · · · ·		04 CIVIL		07 DEMOLITION	ON
CIVIL:	CORNERSTONE SITE CONSULTANTS	ANDREW HALLORAN	C-000	SITE COVER SHEET	D-1.01	DEMOLITION PLAN
2985 GORDY PARKWAY	TEL: 770-490-9182	C-001	SURVEY	07a ARCHITE	CTURAL	
	SUITE 119 MARIETTA, GA 30066	andrew@cornerstonesite.com	C-030	SITE DEMOLITION PLAN	A-1.01	FLOOR PLANS, ENLARGED PLANS, & DETAILS
	IVIANIETTA, GA 30000		C-100	SITE PLAN	A-2.01	RCP, ROOF PLAN, & DETAILS
STRUCTURAL: SHEAR STRUCTURAL 931 MONROE DR.	SHEAR STRUCTURAL	R. TEL: 404-735-3712 kjenkins@shearstructural.com	C-110	GRADING, DRAINAGE & UTILITY PLAN	A-4.01	EXTERIOR ELEVATIONS
	931 MONROE DR.		C-130	EROSION AND SEDIMENT CONTROL PLAN	A-5.01	BUILDING SECTIONS & SECTION DETAILS
	SUITE A102-491		C-300	STORM PROFILES	A-6.01	FINISH PLAN & SCHEDULES
	ATLANTA, GA 30308		C-500	CONSTRUCTION DETAILS	A-6.51	INTERIOR ELEVATIONS & DETAILS
			C-510	ESPC DETAILS	08 PLUMBING	
MECHANICAL ELECTRICAL	PROFICIENT ENGINEERING	HEYOUNG LEE TEL: 404-330-9798 EXT.102	C-511	ESPC DETAILS	P-0.01	GENERAL
& PLUMBING:	6991 PEACHTREE INDUSTRIAL BLVD BUILDING 700	hlee@peiatl.com	C-512	ESPC DETAILS	P-1.01	BASEMENT PLAN
a i Lowbiito.	PEACHTREE CORNERS, GA 30092	moo@poidmoom	C-513	ESPC DETAILS	P-1.02	FLOOR PLAN
	· · · · · · · · · · · · · · · · · · ·		C-520	GA D.O.T. DETAILS	09 MECHANIC	
			C-521	GA D.O.T. DETAILS	M-0.01	GENERAL
			05 STRUCTURA		M-1.01	FLOOR PLAN
			S-0.01	GENERAL NOTES	10 ELECTRIC	
			S-0.02	COMPONENTS & CLADDING	E-0.01	GENERAL
			S-1.01	FOUNDATION PLAN	E-0.02	SCHEDULES AND ONE-LINE DIAGRAM
			S-2.01	FOUNDATION AND SECOND FLOOR FRAMING PLAN	E-1.01	FLOOR PLAN

ACOUSTICAL CEILING TILE

GENERAL CONTRACTOR

HEIGHT



LANDLORD L.L. ABOVE FINISHED FLOOR MANUFACTURER MATERIAL **BOTTOM OF** MAXIMUM MECHANICAL BUILDING MINIMUM MTL. METAL BEARING NON-COMBUSTIBLE COLF FORMED METAL FRAMING NOT IN CONTRACT CENTER LINE N.T.E. NOT TO EXCEED CLEAR N.T.S. NOT TO SCALE **CONTROL JOINT** O.D. OVERFLOW DRAIN CONCRETE MASONRY UNIT OPPOSITE COORD. COORDINATE PLASTIC LAMINATE COLUMN PLYWD. PLYWOOD CONCRETE CONTINUOUS PRESSURE TREATED O.C. ON CENTER DRAWING R.D. **ROOF DRAIN** DOWN SPOUT S.B.O. SUPPLIED BY OWNER EACH SCHED. SCHEDULE **ELEVATION** SIM. SIMILAR **ELECTRIC** STL. STEEL EQUIPMENT SUPPLIER STRUCT. STRUCTURAL **EXPANSION** TOP OF **EXTERIOR** TONGUE AND GROOVE E.W.C. ELECTRIC WATER COOLER TYP. TYPICAL FLOOR DRAIN U.N.O. UNLESS NOTED OTHERWISE VERT. VERTICAL FIRE EXTINGUISHER CABINET FINISHED FLOOR VINYL WALL COVERING FLOOR FACE OF FACE OF FINISH WD. WOOD W.W.F. WELDED WIRE FABRIC FACE OF MASONRY FURNISHED BY OWNER INSTALLED BY CONTRACTOR FIRE RETARDANT FRANCHISEE FIBERGLASS REINFORCED POLYESTER

ABBREVIATIONS

BATT INSULATION **ELEVATION MARK SECTION MARK** EARTH 'SIM' - SIMILAR 'OH' - OPPOSITE HAND GRANULAR ENLARGED PLAN / DETAIL CONCRETE DOOR REFERENCE NUMBER SEE SHEET A-600 **ROOM NAME & NUMBER** STEEL, IRON COLUMN AND GRID NUMBER MORTAR NET SEE SHEET A-601 SOLID GROUT

WOOD DIMENSIONAL

PLASTER, GYPSUM WALLBOARD

SHEATHING

RIGID INSULATION

SYMBOLS

5. WORK PERFORMED SHALL BE IN ACCORDANCE TO ALL FEDERAL, STATE AND LOCAL BUILDING CODE REQUIREMENTS PER INDUSTRY STANDARDS. ALL REQUIRED PERMITS AND FEES ASSOCIATED ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR NECESSARY FOR START AND COMPLETION OF THE PROJECT. COPIES OF INSPECTIONS AND PERMITS SHALL BE FURNISHED TO OWNER AT REQUEST AND/OR AT PROJECT CLOSEOUT. 6. CONTRACTOR TO TAKE PRECAUTIONS IN PROTECTING THE WORK DURING CONSTRUCTION. ANY DAMAGE TO BE RESTORED TO ORIGINAL CONSTRUCTION BY THE CONTRACTOR. PATCH AND REPAIR ALL ITEMS DAMAGED OR ALTERED DURING CONSTRUCTION BY THE CONTRACTOR. ALL PATCHES SHALL BLEND WITH ADJACENT MATERIAL, COLOR, FINISH, AND TEXTURE. ALL EXISTING WORK FURNISHINGS, EQUIPMENT OR MATERIAL TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT

I. THESE DRAWINGS ARE THE PROPERTY OF JERICHO DESIGN GROUP, LLC

AND SHALL NOT BE REPRODUCED OR COPIED (PHYSICALLY AND/OR DIGITALLY)

IN PART OF WHOLE. THEY ARE TO BE USED FOR THIS PROJECT ONLY AND ARE

MUTUALLY EXPLANATORY. THEY SHALL BE ACCEPTED/USED AS A WHOLE; NOT

SEPARATELY. SHOULD ANY ITEMS BE OMITTED FROM THE DRAWINGS AND BE

HEREIN SPECIFIED, OR VICE VERSA, IT SHALL BE EXECUTED THE SAME AS IF

LIMITED TO ERRORS, OMISSIONS, INCONSISTENCIES, DISCREPANCIES, AND

CONFLICTS WITH THE DRAWINGS/SPECIFICATIONS OR AS RELATED TO FIELD

3. THE CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES

AFTER FULL REVIEW OF CONTRACT DOCUMENTS TO INCLUDE BUT NOT

CONDITIONS. CONTRACTOR TO CONTACT ARCHITECT IMMEDIATELY TO

2. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO AGREE AND BE

SHOWN AND COMBINED IN BOTH. IT IS THE RESPONSIBILITY OF THE

CONTRACTOR TO SUPPLY ENTIRE SET TO EACH SUBCONTRACTOR.

4. DO NOT SCALE THE DRAWINGS UNDER ANY CONDITION.

NOT TO BE USED ON ANY OTHER PROJECT.

DISCUSS A RESOLUTION.

GENERAL NOTES

NOTED OTHERWISE.

INCOMPLETE CONDITION.

10. THE LOCATION OF THE EXISTING UTILITIES & STRUCTURES SHOWN HEREIN

ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR

SHOWN. ANY DAMAGES RESULTING BY CONTRACTORS' ACTIVITIES SHALL BE

11. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING & SHORING FOR

TO VERIFY THE EXISTENCE & ACTUAL LOCATIONS OF ALL, SHOWN OR NOT

12. PROVIDE SEPARATION BETWEEN ALL DISSIMILAR METALS INCLUDING

SCREWS, NAILS & OTHER FASTENING DEVICES TO AVOID GALVANIC

OR ROUGH WINDOW OPENING UNLESS NOTED OTHERWISE.

SHALL BE APPLIED TO RELATED DRAWINGS AND DETAILS.

HORIZONTAL DIRECTION, UNLESS NOTED OTHERWISE.

13. PROVIDE EXPANSION AND CONTROL JOINTS IN ALL WORK AS PER

PRODUCT MANUFACTURER'S STANDARDS, OR SPECIFICATIONS, UNLESS

14. ALL DIMENSIONS ARE WITNESSED TO THE OUSIDE FACE OF MASONRY,

15. NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND

FACE OF STUD, CENTER OF COLUMN, TOP OF STRUCTURAL CONCERETE SLAB

MATERIALS. SHEETS ARE TO BE REVIEWED AND NOTES ON INDIVIDUAL SHEETS

16. INTERIOR PARTITION MOVEMENT CONTROL - VERTICAL CONTROL JOINTS

FOR ANY WALL LENGTH ARE TO OCCUR AT NOT MORE THAN 30'-0" O.C. IN THE

PARTS OF THE WORK SO THAT NO WORK SHALL BE LEFT IN AN UNFINISHED OR

17. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL

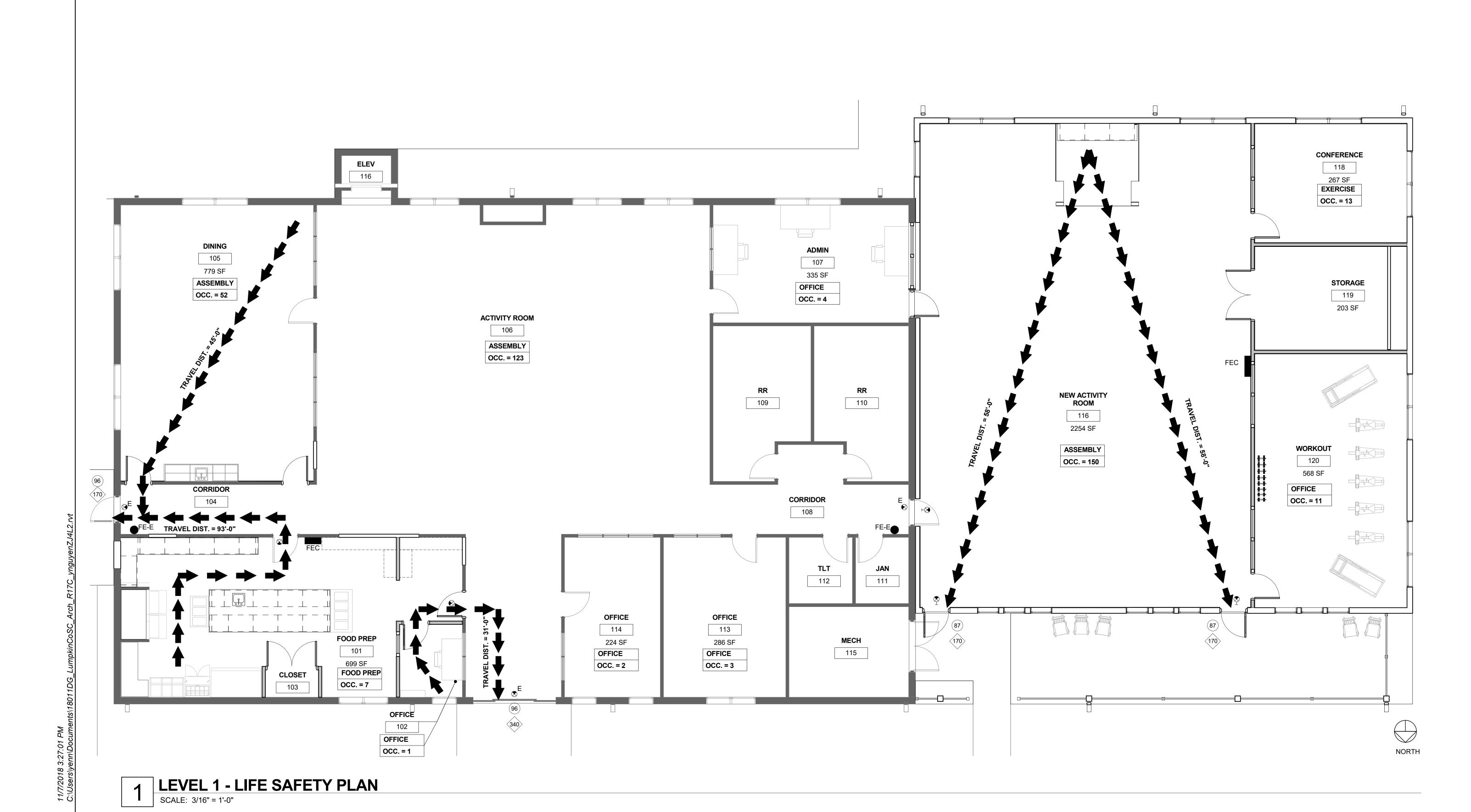
REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

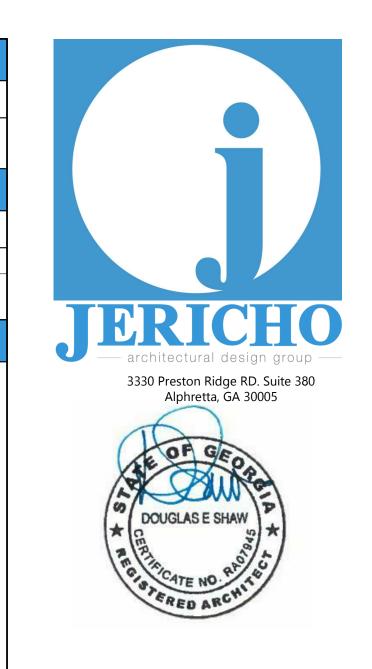
ALL WORK DURING THE CONSTRUCTION PERIOD.

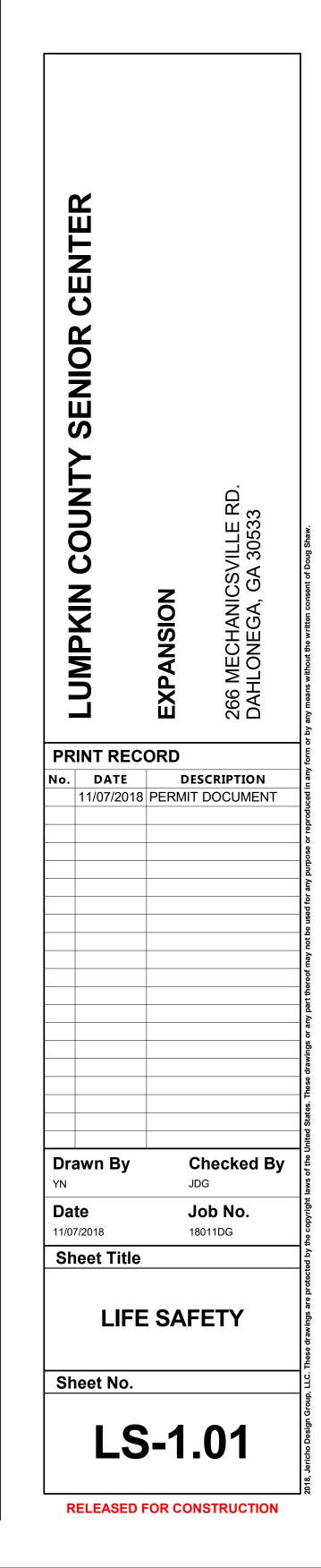
NO ADDITIONAL COST TO THE OWNER. 7. REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED IN WRITING TO THE ARCHITECT FOR CONSIDERATION ONLY IF IMPACT TO SCHEDULE, COST CHANGE OR QUALITY OF PRODUCT. ACCEPTANCE BY ARCHITECT DOES NOT IDENTIFY PRODUCT TO BE OF BETTER QUALITY THAN SPECIFIED PRODUCT. 8. SEAL ALL EXTERIOR PENETRATIONS AND VOIDS ON EXTERIOR BUILDING 9. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDTITION/S AND CONTRACT DOCUMENTS PRIOR TO ANY CONSTRUCTION ACTIVITY IN AREA OF CONCERN.

BUILDING DATA	LIFE SAF	FETY PLAN LEGEND		PLUMBING FIXTURE REQUIREMENTS			
OCCUPANCY CLASSIFICATION:	SEPARATION PER IBC CHAPTER 5	OCCUPANCY PER LSC 7.3.1.2 PER GEORGIA AMENDMENTS TO THE IBC	OCCUPANCY	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINK
GROUP A-3 (IBC CHPT 6) W/ ASSEMBLY (NFPA CHPT. 3)		AREA SF / OCCUPANT LOAD FACTOR = OCCUPANCY COUNT (REFER TO PLANS FOR ROOM OCCUPANCY CALCULATIONS)	ASSEMBLY A-3	1 PER 125 (MALE) 1 PER 65 (FEMALE)	1 PER 200	1 PER 500	1
TYPE OF CONSTRUCTION (IBC): TYPE V-B, UNPROTECTED, UNSPRINKLERED	1-HOUR RATED PARTITION	ASSEMBLY (UNCONCENTRATED) = 15 NSF/PERSON		,	YTURE COUNT: (TO	OTAL OCCUPANCY 5	27)
HEIGHT AND AREA LIMITS (IBC):	■■■■■■■■■ SMOKE PARTITION	KITCHEN = 100 GSF/PERSON		PLUMBING FI	XTURE COUNT: (TO	OTAL OCCUPANCY 52	21)
ALLOWABLE HEIGHT PER TABLE 503: 40FT -FOR TYPE V-B CONSTRUCTION	NON-RATED PARTITION		OCCUPANCY	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINK
MAXIMUM NUMBER OF STORIES ABOVE GRADE PLANE	EXTINGUISHER LOCATION PER NFPA 10	STAGES = 15 NSF/PERSON CLASSROOM/TRAINING = 20 NSF/PERSON	TOTAL 527 PERSONS	REQUIRED PROVIDED M F M F	REQUIRED PROVIDED M F M F	REQUIRED PROVIDED	REQUIRED PROVIDED
-FOR OCCUPANCY 'A': 1 STORIES	FIRE EXTINGUISHER IN RECESSED CABINET	EXERCISE ROOMS W/ EQUIPMENT = 50 GSF/PERSON		3 5 4 5	3 5	_ 2 2 2	1 1
ALLOWABLE FLOOR AREA -FOR OCCUPANCY 'A-3': 6,000SF	● FE-E BRACKET MOUNTED FIRE EXTINGUISHER	BUSINESS AREAS = 100 GSF/PERSON			APPLICABLE COL	DES	
BUILDING DESCRIPTION: SINGLE STORY WITH UNFINISHED BASEMENT	CAPACITY PER LSC 7.3.3.1	ALLOWABLE DISTANCE PER LSC 12.2.6	2012 INTERNATIO	ONAL BUILDING CODE	0000 INTE	DNATIONAL ENERGY CONCE	DVATION CODE
BUILDING AREAS (IBC): BUILDING OCCUPANCY (NFPA):	STAIRS = 0.3"/PERSON DOORS = 0.2"/PERSON	TRAVEL DISTANCE LIMIT - MAX. 200 FT. UNSPRINKLERED		GIA AMENDMENTS (2014)(20		RNATIONAL ENERGY CONSE I GEORGIA SUPPLEMENTS A	ND AMENDMENTS (2011)(2012)
LEVEL 000 = 5,760 + 3,615 GSF	32"W DOOR = 30" CLR. = 150 CAPACITY 36"W DOOR = 34" CLR. = 170 CAPACITY 42"W DOOR = 40" CLR. = 200 CAPACITY	COMMON PATH LIMIT - MAX. 50 FT. UNSPRINKLERED	2012 INTERNATION WITH GEOR	DNAL FIRE CODE GIA AMENDMENTS (2014)		A 101, LIFE SAFETY CODE H GEORGIA AMENDMENTS (20	014)
TOTAL = 19,075 GSF TOTAL = 527 PERSONS	48"W DOOR = 46" CLR. = 230 CAPACITY	DEAD END LIMIT - MAX. 20 FT. UNSPRINKLERED		ONAL PLUMBING CODE	2013 NFP/	A 72, NATIONAL FIRE ALARM	, SIGNALING CODE
INTERIOR WALL AND CEILING FINISH REQUIREMENTS (IBC TABLE 803.9): EXIT ENCLOSURES AND EXIT PASSAGEWAYS A	68"W DOOR = 64" CLR. = 320 CAPACITY 72"W DOOR = 68" CLR. = 340 CAPACITY	PATH OF EGRESS WITHIN BUILDING	WITH GEOR	GIA AMENDMENTS (2014)(20		H GEORGIA AMENDMENTS (20	
CORRIDORS A ROOMS AND ENCLOSED SPACES C	96"W DOOR = 92" CLR. = 460 CAPACITY	TRAVEL DISTANCE & COMMON PATH (SEE NOTES ON PLANS)		DNAL MECHANICAL CODE IGIA AMENDMENTS (2014)(20		A 13, STANDARD FOR THE IN: TEMS WITH GEORGIA AMEND	
FIRE RATING CRITERIA RATING (IBC TABLE 601):	DOORS PER IBC 715.4	NUMBER OF EXITS PER IBC 1015 & LSC 7.4.1.2		ONAL FUEL GAS CODE	2010 ADA	STANDARDS, PER RULES AN	D REGULATIONS OF THE
COLUMNS: 0 HOUR BEAMS, GIRDERS, TRUSSES & ARCHES: 0 HOUR	EXIT SIGNS PER IBC 1011	00 ACTUAL EGRESS COUNT		GIA AMENDMENTS (2014)(20	SAFE SAFE	ETY FIRE COMMISSIONER 120)-3-20A
FLOOR AND CEILING: 0 HOUR ROOFS AND ROOF/CEILING: 0 HOUR	EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION; "E" INDICATES EXISTING SIGNAGE)	00 EGRESS CAPACITY OF EXIT	2017 NATIONAL E (NO GEORG	ELECTRICAL CODE SIA AMENDMENTS)			

EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION; "E" INDICATES EXISTING SIGNAGE)







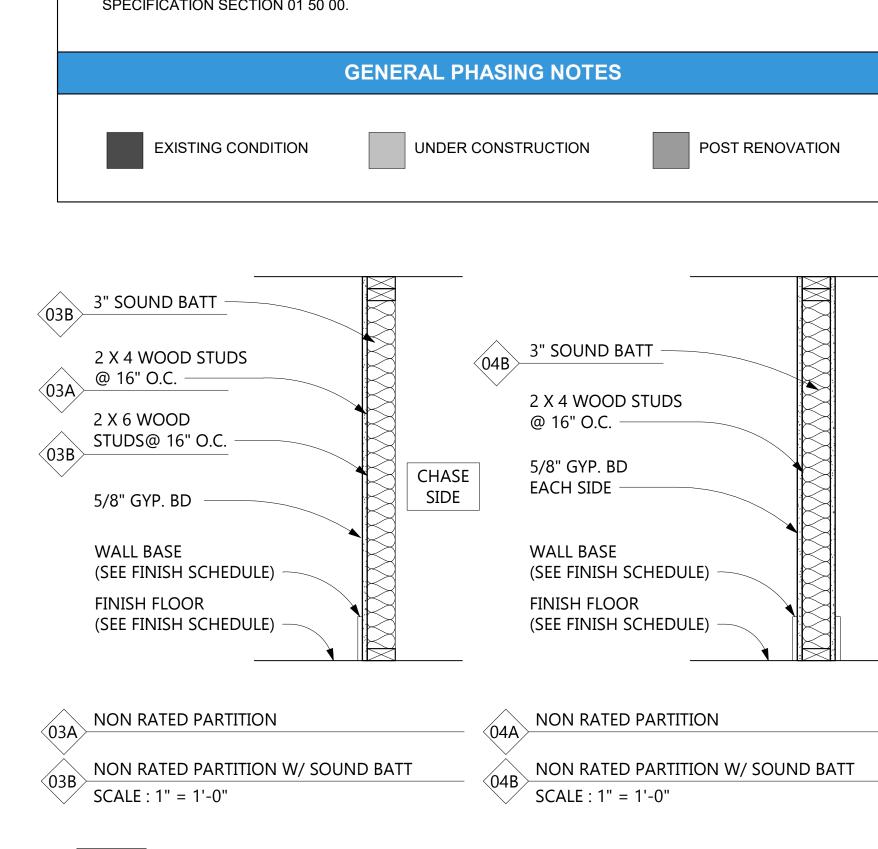


PROJECTING FIRE EXTINGUISHER SIGN

SCALE: 6" = 1'-0"

DOOR CLEARANCES

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



WALL PARTITION TYPES

BRAILLE REQUIREMENTS

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

SIGNAGE MOUNTING REQMTS

NOTE: LOCATE SIGN ALONGSIDE THE DOOR

SIGN IS PROVIDED AT DOUBLE DOORS WITH

LOCATED ON THE INACTIVE LEAF. WHERE A

SHALL BE LOCATED TO THE RIGHT OF THE

RIGHT HAND DOOR. WHERE THERE IS NO

WALL SPACE AT THE LATCH SIDE OF A

ON THE NEAREST ADJACENT, SIGNS

TACTILE CHARACTERS, IS PROVIDED

BEYOND THE ARC OF ANY DOOR SWING

RAISED CHARACTER BASE LINES MUST

FALL BETWEEN 48" AND 60" AFF

BETWEEN THE CLOSED POSITION AND 45

DEGREE OPEN POSITION. WHEN MOUNTED.

SINGLE DOOR OR AT THE RIGHT SIDE OF

DOUBLE DOORS, SIGNS SHALL BE LOCATED

CONTAINING TACTILE CHARACTERS SHALI BE LOCATED SO THAT A CLEAR FLOOR

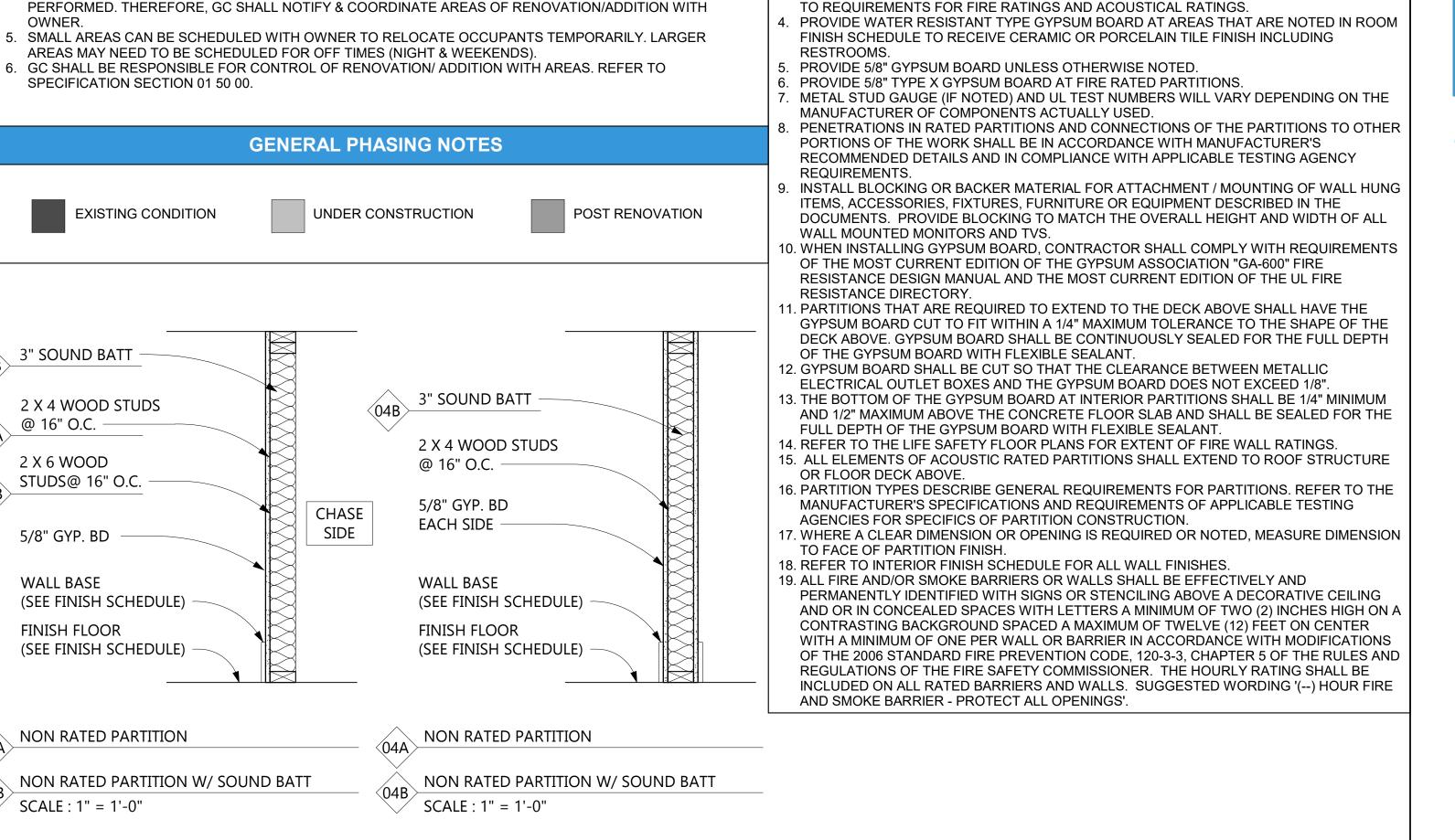
SPACE OF 18"X18" MIN, CENTERED ON THE

AT THE LATCH SIDE. WHERE A TACTILE

ONE ACTIVE LEAF, THE SIGN SHALL BE

TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN

GENERAL PHASING NOTES



TEMPLATE FOR CHECKING CHARACTER AND

STROKE WIDTH TO HEIGHT PROPORTIONS

STROKE WIDTH

1:5 1:10

MIN - MAX

0.059" - 0.063"

0.025" - 0.037"

0.241" - 0.300"

0.090" - 0.100"

0.395" - 0.400"

SQUARED DOT

(NOT ACCEPTABLE)

ALIGN DEVICES VERTICALLY WHERE SHOWN STACKED IN PLAN VIEW

LIFE SAFETY DEVICES-CENTER ABOVE ELEC

TELECOM, OCCUPANCY SENSOR, FIRE ALARM

- CARD READER, DOOR CONTROL DEVICES

VOICE/DATA/POWER DEVICES, UNO

OR AS DIMENSIONED, WHERE NOT

DOOR FRAME/WALL OPNG WHERE OCCURS

FROM LOCATION SHOWN ON FLOOR PLAN

LOCATE DEVICES 6" FROM DOOR/WALL OPNG,

DIMENSIONED, LOCATE @ NEAREST MET STUD

DEVICES, SIGNS, OR FEC BELOW, UNO

WALL MTD SIGNAGE, WHERE SCHED

DOOR LATCH, PANIC DEVICE

LIGHT SWITCHES, THERMOSTAT

20% 10%

CHARACTER WIDTH

100%

MEASUREMENT RANGE

: DOT HEIGHT

BRAILLE CELL

·│◆││◆◆│◆◆│◆

A: DOT BASE DIAMETER

DOTS IN ADJACENT CELLS

<u>PLAN VIEW</u>

ELEV VIEW

6" CLEAR OF LARGEST DEVICE, UNO

SCALE: 3/8" = 1'-0"

DEVICE ALIGNMENT DIAGRAM

DISTANCE BETWEEN CORRESPONDING

DISTANCE BETWEEN CORRESPONDING

DOTS FROM ONE CELL DIRECTLY BELOW

ROUNDED DOT

(ACCEPTABLE)

DISTANCE BETWEEN DOTS IN THE

GENERAL PARTITION NOTES

. UNLESS NOTED OTHERWISE, INTERIOR PARTITION DIMENSIONS ARE GIVEN FROM FACE

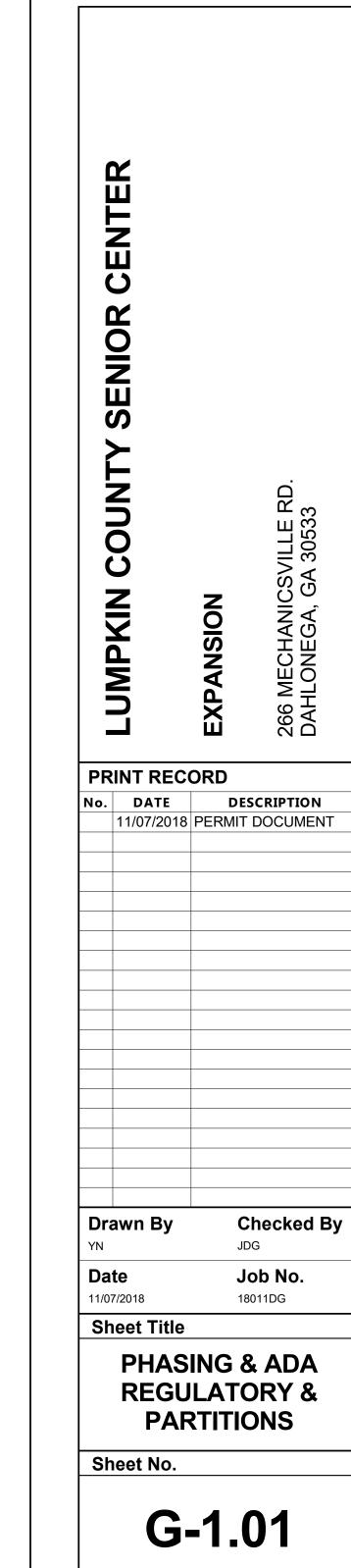
TO WOOD FRAMING/CMU TO FACE OF WOOD FRAMING/CMU TO COLUMN CENTERLINE.

3. INSTALLATION OF GYPSUM BOARD, BACKER BOARD AND BASE BOARD SHALL CONFORM

EXCEPTION: MILLWORK DETAILS WHERE DIMENSIONS ARE FROM FACE TO FINISH

2. $\,$ ALL FIRE RATED PARTITIONS MUST EXTEND AND SEAL TO STRUCTURE ABOVE.

SURFACES (GWB. PLASTER, ETC.)



- architectural design group -

3330 Preston Ridge RD. Suite 380

Alphretta, GA 30005

DOUGLAS E SHAW

SEE LEGEND ON EXISTING CONDITIONS PLAN FOR FURTHER DETAILS. **EXISTING** DESCRIPTION <u>PROPOSED</u> DIRECTIONAL ARROWS (FOR INFORMATION ONLY TO INDICATE TRAFFIC FLOW) DIRECTIONAL ARROWS ON PAVEMENT CATCH BASINS DROP INLETS STORM DRAINAGE MANHOLE SANITARY SEWER MANHOLE CLEANOUT ELECTRIC MANHOLE TELEPHONE MANHOLE

NOTE: SOME EXISTING SYMBOLS MAY VARY FROM THAT SHOWN ON THIS LEGEND.

——0000 —— CONTOUR ELEVATION LABEL SPOT ELEVATION LABEL SWALE ARROW — FLOW DIRECTION ~~~ \sim **-**v-->

SWALE ARROW $-\sqrt{-}$ GAS METER GAS VALVE CC \bowtie WATER METER WATER REDUCER WATER VALVE W \bowtie FIRE HYDRANT CURB & GUTTER FENCE LINE ____ X ____ ____ X ____ — G — — G — GAS LINE

GUARDRAIL

IRRIGATION LINE

_____O____

——XX——

—— UE ——

——UT——

-- UTV---

—— W ———

— F —

 \emptyset — \Diamond

 \emptyset

MSL -MEAN SEA LEVEL NTS -NOT TO SCALE NO. -NUMBER

——IRR—— ——IRR—— —— OE —— OVERHEAD ELECTRICAL LINE —— OE —— OVERHEAD TELEPHONE LINE —— O T —— ——OT—— -- OTV--OVERHEAD CABLE TV LINE -- OTV--——SS—— SANITARY SEWER PIPE ——SS—— _____ SILT FENCE STORM DRAINAGE PIPE

TREE LINE TREE PROTECTION FENCE UNDERGROUND ELECTRIC LINE —— UE —— —— UT —— UNDERGROUND TELEPHONE LINE UNDERGROUND CABLE TV LINE -UT \vee ----- W -----WATER LINE — F — FIRE PROTECTION LINE

SIGNIFICANT TREES LIGHT POLE UTILITY POLE UTILITY POLE WITH LIGHT Ø---\$ \longrightarrow UTILITY POLE WITH GUY WIRE NUMBER OF PARKING SPACES IN PARKING BAY STORM SEWER LABEL

> SEE PROFILE SHEET FOR DETAILS SANITARY SEWER LABEL SEE PROFILE SHEET FOR DETAILS

ABBREVIATIONS FT -FOOT/FEET
G -GAS
GM -GAS METER
GV -GAS VALVE
HDPE -HIGH DENSITY
POLYETHYLENE
HGL -HYDRAULIC GRADE LINE
HP -HIGH POINT ABAND - ABANDON APPROX - APPROXIMATE PPROX - APPROXIMA IL
BC - BACK OF CURB
BLDG - BUILDING
BMP - BEST MANAGEMENT PRACTICES
BRG - BEARING
CB - CATCH BASIN
CC - CENTER TO CENTER
C & G - CURB & GUTTER
CO - CLEANOUT
CONC - CONCRETE
CMP - CORRUGATED METAL PIPE IN -INCH ID -INSIDE DIAMETER INV -INVERT JT -JOINT LF -LINEAR FOOT/FEET DI -DROP INLET

'IP -DUCTILE IRON PIPE

'-DIAMETER

-EAST VENT LOD -LIMITS OF DISTURBANCE MH -MANHOLE -EASEMENT ESMT ESMT -LASEMENT

EP -EDGE OF PAVEMENT

ELEV -ELEVATION

ESPC -EROSION, SEDIMENT &

POLLUTION CONTROL

EXIST -EXISTING

FC -FACE OF CURB

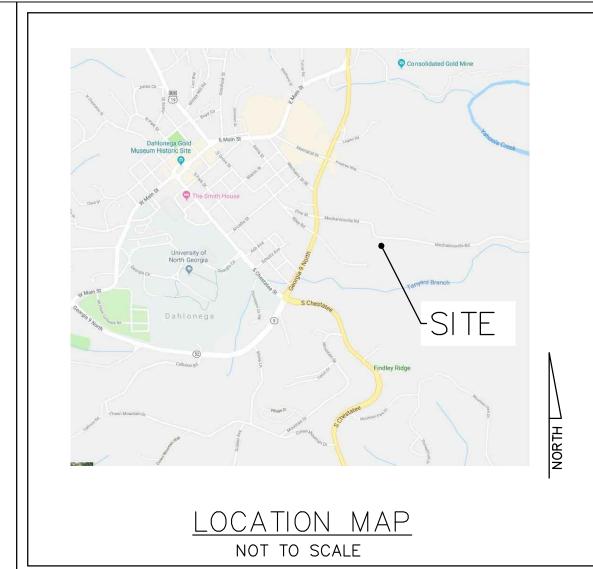
FH -FIRE HYDRANT MAX -MAXIMUM MIN -MINIMUM MISC -MISCELLANEOUS MON -MONUMENT

SITE CLEARING & SITE DEMOLITION NOTES

- . ALL NECESSARY PERMITS FOR CLEARING & DEMOLITION SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR SHALL CLEARLY MARK AND MAINTAIN PROPERTY CORNER MONUMENTATION AND BENCHMARKS AND WILL BE RESPONSIBLE FOR THE COST OF REPLACING THEM IF DISTURBED OR DESTROYED.
- 3. THE CONTRACTOR SHALL HAVE THE LIMITS OF CLEARING AND DEMOLITION AND ALL BUFFERS STAKED WITH FLAGGING STRUNG BETWEEN ANGLE POINTS TO ENSURE THE PROPER LOCATION OF THE TREE SAVE FENCE AND PROPOSED IMPROVEMENTS PRIOR TO CLEARING AND DEMOLITION.
- CONTRACTOR. IF UTILITIES ARE TO REMAIN AND HAVE BEEN LEFT ACTIVE, THE CONTRACTOR SHALL CAREFULLY PROTECT THEM AND IS RESPONSIBLE FOR RESTORING THEM TO THEIR PREVIOUS CONDITION OR BETTER IF DAMAGED AT NO ADDITIONAL COST TO THE OWNER. 5. CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING CLEARING & DEMOLITION WORK. ANY OFF—SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR

-. PRIOR TO CLEARING AND DEMOLITION, THE CONTRACTOR SHALL OBTAIN WRITTEN VERIFCATION FROM ALL UTILITY COMPANIES THAT ALL UTILITIES HAVE BEEN REMOVED. IF UTILITES HAVE NOT BEEN REMOVED BUT HAVE BEEN ABANDONED, THE VERIFICATION LETTER SHALL STATE THAT THEIR FACILITIES LEFT ONSITE HAVE BEEN ISOLATED FROM THEIR SOURCE AND MAY BE REMOVED BY THE

- BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER. 5. NO CLEARING OR DEMOLITION MATERIALS SHALL BE DISPOSED OF ON-SITE ALL DEBRIS SHALL BE HAULED OFF-SITE TO DISPOSAL AREAS APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF
- CLEARING & DEMOLITION MATERIALS. '. ALL VEGETATION (UNLESS OTHERWISE NOTED), ROOT SYSTEMS, TOPSOIL, REFUSE, OTHER DELETERIOUS MATERIAL, EXISTING PAVEMENTS, CURBS, ORGANICS AND UNSUITABLE BEARING SOILS SHALL
- BE STRIPPED FROM THE SURFACE WITHIN THE CONSTRUCTION LIMITS AND DISPOSED OF OFFSITE TO A DISPOSAL AREA APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF CLEARING & DEMOLITION MATERIALS.
- 8. CLEAN TOP SOIL MAY BE STOCKPILED IN AN AREA APPROVED BY THE ARCHITECT AND REUSED LATER IN THE TOP 4" OF LANDSCAPED AREAS ONLY. EXCESS TOPSOIL SHALL BE DISPOSED OF OFFSITE. 9. ALL STRUCTURES NOT IDENTIFIED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION. ANY STRUCTURES THAT ARE TO REMAIN THAT ARE DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 10. CONSTRUCTION ENTRANCE, SILT FENCE AND ANY OTHER REQUIRED EROSION CONTROL DEVICE SHALL BE IN PLACE PRIOR TO CLEARING & DEMOLITION OPERATIONS.
- 11. DISCONNECT AND SEAL OFF ABANDONED UTILITIES AND UTILITIES TO BE REMOVED PRIOR TO START OF DEMOLITION. UTILITIES SHALL BE DISCONNECTED BELOW EXISTING GRADE OR OUTSIDE OF CONTRACT LIMITS BY THE APPLICABLE UTILITY OWNER. ALL COSTS FOR THIS WORK SHALL BE BORNE BY THE CONTRACTOR.
- 12. ALL STRUCTURES TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED ABOVE AND BELOW GRADE. ABANDONED SERVICE LINES TO THE STRUCTURES SHALL ALSO BE REMOVED.
- 13. CONTRACTOR TO PROVIDE ALL NECESSARY BARRICADES. SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL MEASURES AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC THROUGHOUT CLEARING, DEMOLITION AND CONSTRUCTION IN COMPLIANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" CURRENT EDITION, THE GEORGIA D.O.T. SPECIFICATIONS SECTION 150 AND ANY RULES AND REGULATIONS OF THE LOCAL AUTHORITY HAVING JURISDICTION OVER THIS PROJECT.
- 14. THE EXISTING TREES SHOWN ON THESE PLANS MAY ONLY BE THE MINIMAL AMOUNT SURVEYED AS REQUIRED FOR PERMITTING. THE SITE MAY HAVE ADDITIONAL TREES BEYOND THAT WHICH IS SHOWN. THE CONTRACTOR SHALL VISIT THE SITE BEFORE MAKING HIS BID TO INVESTIGATE THE AMOUNT OF EXISTING TREES THAT WILL NEED TO BE REMOVED WITHIN THE LIMITS OF CLEARING.



REFERENCES

BOUNDARY, TOPOGRAPHIC, TREE AND UTILITY SURVEY INFORMATION BASED ON A SURVEY FOR LUMPKIN COUNTY SENIOR CENTER EXPANSION, DATED 09-10-2018 AND PREPARED BY DAVIS ENGINEERING & SURVEYING

2. THE FLOOD INSURANCE RATE MAP INDICATES AS PER OFFICIAL F.I.A. MAPS 13223 C 0137C, DATED SEPTEMBER 29, 2006 THE SITE IS IN OUTSIDE OF THE 100 YEAR FLOOD PLAIN.

ALL CONSTRUCTION TO BE IN CONFORMANCE WITH

APPLICABLE CITY OF DAHLONEGA AND LUMPKIN

COUNTY STANDARDS & SPECIFICATIONS

SEE DETAIL SHEETS FOR CONSTRUCTION DETAILS

EXISTING INFORMATION MAY NOT BE SHOWN ON ALL DRAWINGS IN ORDER TO BETTER ILLUSTRATE THE PROPOSED CONSTRUCTION INFORMATION. PLEASE REFER TO THE EXISTING CONDITIONS PLANS AS NECESSARY WHEN REVIEWING THE DRAWINGS.

www.Georgia811.com

5 BUSINESS DAYS PRIOR TO CONSTRUCTION CONTACT GEORGIA 811 UTILITY PROTECTION CENTER

ALL KNOWN UTILITIES HAVE BEEN SHOWN BASED ON THE BEST INFORMATION AVAILABLE TO THE OWNER. ALL KNOWN UTILITIES HAVE BEEN SHOWN SCHEMATICALLY ON THE PLANS AND MAY NOT BE SHOWN ACCURATELY HORIZONTALLY OR VERTICALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED EITHER VERTICALLY OR HORIZONTALLY WHEN NECESSARY FOR PROPOSED CONSTRUCTION OR ADAPTED FOR PROPOSED CONNECTIONS. CONTRACTOR SHALL CALL THE UTILITIES PROTECTION CENTER (UPC) AT LEAST 72 HOURS (THREE BUSINESS DAYS) PRIOR TO CONSTRUCTION.

SEE SHEET C-000 FOR GENERAL NOTES AND DRAWING LEGEND

CIVIL SHEET INDEX PAGE SHEET NUMBER NUMBER SHEET TITLE

C-000 CIVIL COVER SHEET & GENERAL NOTES C - 001

C-030 SITE DEMOLITION PLAN

C-110 GRADING, DRAINAGE & UTILITY PLAN

C-130 EROSION & SEDIMENT CONTROL PLAN

C-300 STORM SEWER PROFILE

C-510 ESPC DETAILS C-511 ESPC DETAILS

C-520 GA D.O.T. DETAILS

C-521 GA D.O.T. DETAILS



PRINT RECORD

No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 | PERMIT DOCUMENT

Checked By Drawn By Date Job No.

10/29/2018 17001DG

SITE COVER SHEET

Sheet No.

Sheet Title

C-000

RELEASED FOR CONSTRUCTION

FFE -FINISHED FLOOR ELEVATION

SW-SIDEWALK T-TELEPHONE

FENCING

TPF-TREE PROTECTION TC-TOP OF CURB U-UNDERGROUND W-WATERWM-WATER METER

WV-WATER VALVE

OD -OUTSIDE DIAMETER PL -PROPERTY LINE

PVC-POLYVINYL CHROLIDE R-RADIUS

REV-REVISED OR REVISION ROW-RIGHT OF WAY

SS-SANITARY SEWER

SD-STORM DRAIN

RCP-REINFORCED CONCRETE

PROP-PROPOSED PVMT-PAVEMENT

PROJECT DATA OWNER / DEVELOPER:

ARCHITECT:

SITE AREA:

LUMPKIN COUNTY 99 COURTHOUSE HILL, SUITE H

JERICHO DESIGN GROUP

CIVIL SITE ENGINEER:

CORNERSTONE SITE CONSULTANTS, LLC

ANDREW M. HALLORAN, P.E., PH: 770-490-9182

SITE ADDRESS: DAHLONEGA, GA 30533

____ ACRES

DISTURBED SITE AREA: 0.4 ACRES

PROPOSED PROJECT:

SITE ZONING: NONE 4.500 SF INCREASE IMPERVIOUS AREA:

UTILITY DISCLAIMER

C-100 SITE PLAN

C-500 CONSTRUCTION DETAILS

C-512 ESPC DETAILS C-513 ESPC DETAILS

DAHLONEGA, GA 30533

3330 PRESTON RIDGE RD STE. 380 ALPHARETTA, GEORGIA 30005

2985 GORDY PKWY, SUITE 119 MARIETTA, GA 30066

266 MECHANICSVILLE ROAD

LL 997&998, 12TH DISTRICT

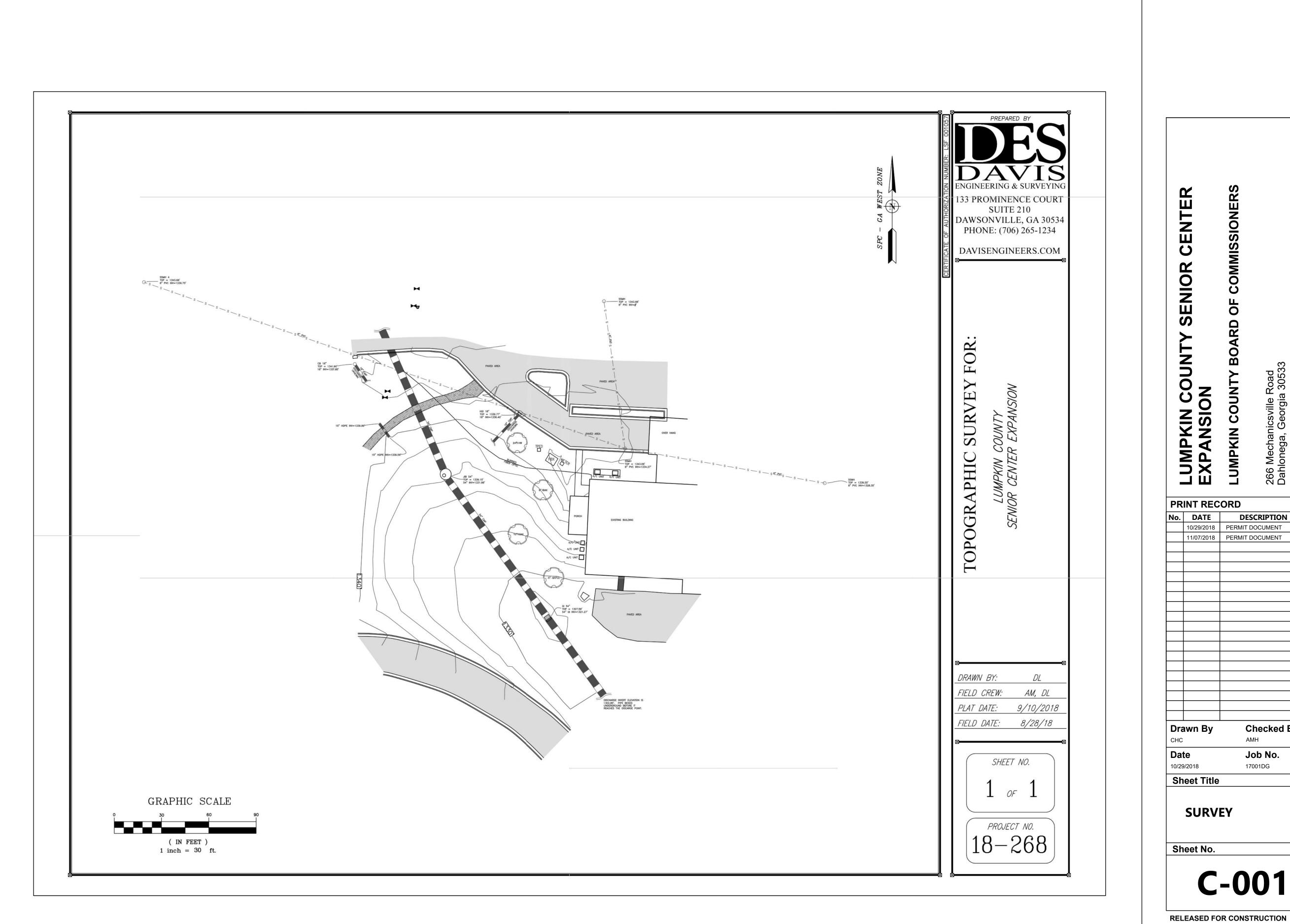
EXISTING SITE USE: LUMPKIN COUNTY SENIOR CENTER

BUILDING ADDITION

(SINCE < 5,000 SF, EXEMPT

FROM STORMWATER MANAGEMENT)

CORNERSTONE SITE CONSULTANTS





CENTER SENIOR LUMPKIN COUNTY & EXPANSION

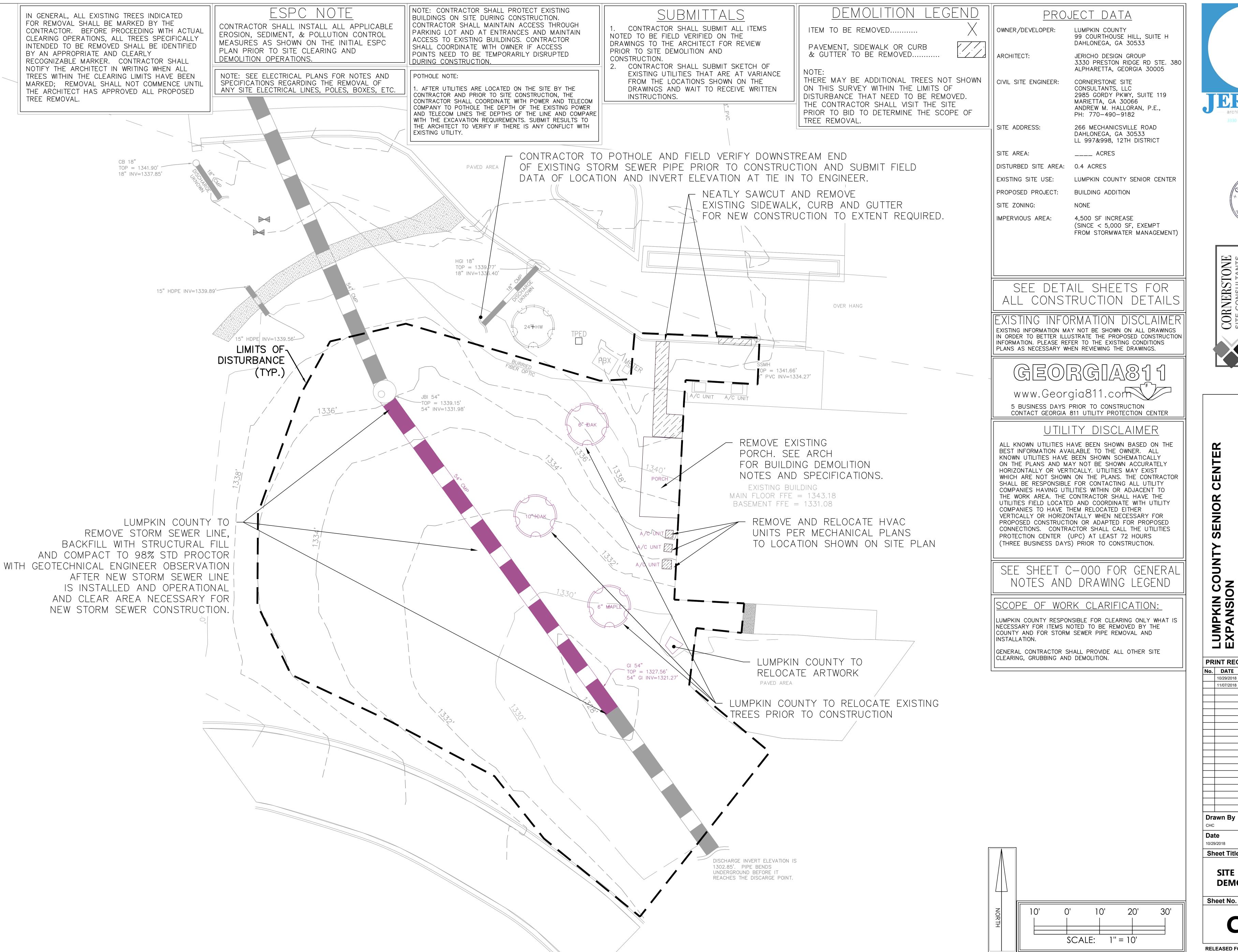
PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By Job No.

Date 10/29/2018 Sheet Title

SURVEY

C-001







CORNERSTONE SITE CONSULTANTS

C SENIOR

PRINT RECORD No. DATE DESCRIPTION Drawn By Checked By Job No.

10/29/2018

Sheet Title

SITE **DEMOLITION PLAN**

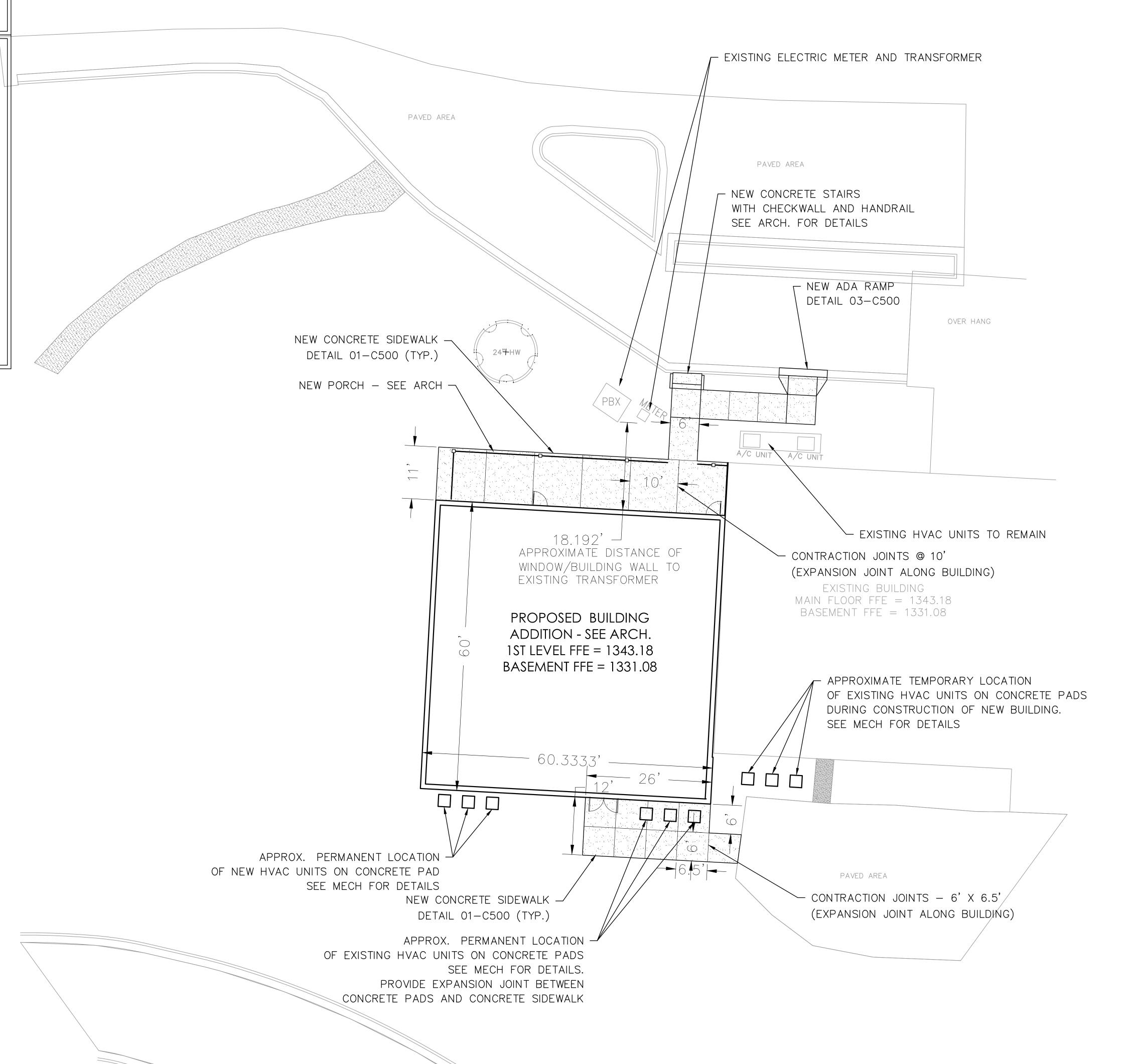
C-030

PAVEMENT LEGEND

CONCRETE SIDEWALK

SITE PLAN GENERAL NOTES

- CONTRACTOR SHALL MATCH ALL NEW PAVEMENT, SIDEWALK, AND/OR CURB & GUTTER WITH EXISTING AT ALL CONNECTION POINTS. PROIVDE SEALANT AT ALL JOINTS BETWEEN EX. AND PROPOSED ASPHALT PAVEMENTS TO PROVIDE A SMOOTH & SEAMLESS TRANSITION.
- 2. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING & COLUMN DIMENSIONS & DETAILS.
- ALL DIMENSIONS ARE TO THE FACE OF CURB, EDGE OF PAVEMENT (IF NO CURB), FACE OF BUILDING, CENTER OF COLUMN, CENTER OF STRUCTURE, CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
- 4. PATCH AND REPAIR ALL EXISTING CONCRETE SIDEWALK, CURB & GUTTER DAMAGED DURING CONSTRUCTION. (TYP.) CONTRACTOR SHOULD DOCUMENT THE EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND SUBMIT DOCUMENTATION TO ARCHITECT



PROJECT DATA

OWNER/DEVELOPER:

LUMPKIN COUNTY 99 COURTHOUSE HILL, SUITE H

DAHLONEGA, GA 30533

ARCHITECT:

JERICHO DESIGN GROUP 3330 PRESTON RIDGE RD STE. 380

ALPHARETTA, GEORGIA 30005

CIVIL SITE ENGINEER:

CORNERSTONE SITE CONSULTANTS, LLC 2985 GORDY PKWY, SUITE 119

MARIETTA, GA 30066 ANDREW M. HALLORAN, P.E., PH: 770-490-9182

SITE ADDRESS: 266 MECHANICSVILLE ROAD

DAHLONEGA, GA 30533 LL 997&998, 12TH DISTRICT

SITE AREA: ____ ACRES

DISTURBED SITE AREA: 0.4 ACRES

EXISTING SITE USE: LUMPKIN COUNTY SENIOR CENTER

PROPOSED PROJECT: BUILDING ADDITION

SITE ZONING: NONE

IMPERVIOUS AREA: 4,500 SF INCREASE

> (SINCE < 5,000 SF, EXEMPT FROM STORMWATER MANAGEMENT)

SEE DETAIL SHEETS FOR ALL CONSTRUCTION DETAILS

EXISTING INFORMATION DISCLAIMER EXISTING INFORMATION MAY NOT BE SHOWN ON ALL DRAWINGS IN ORDER TO BETTER ILLUSTRATE THE PROPOSED CONSTRUCTION INFORMATION. PLEASE REFER TO THE EXISTING CONDITIONS PLANS AS NECESSARY WHEN REVIEWING THE DRAWINGS.

GEORGIA811

www.Georgia811.com

5 BUSINESS DAYS PRIOR TO CONSTRUCTION CONTACT GEORGIA 811 UTILITY PROTECTION CENTER

UTILITY DISCLAIMER

ALL KNOWN UTILITIES HAVE BEEN SHOWN BASED ON THE BEST INFORMATION AVAILABLE TO THE OWNER. ALL KNOWN UTILITIES HAVE BEEN SHOWN SCHEMATICALLY ON THE PLANS AND MAY NOT BE SHOWN ACCURATELY HORIZONTALLY OR VERTICALLY. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED EITHER VERTICALLY OR HORIZONTALLY WHEN NECESSARY FOR PROPOSED CONSTRUCTION OR ADAPTED FOR PROPOSED CONNECTIONS. CONTRACTOR SHALL CALL THE UTILITIES PROTECTION CENTER (UPC) AT LEAST 72 HOURS (THREE BUSINESS DAYS) PRIOR TO CONSTRUCTION.

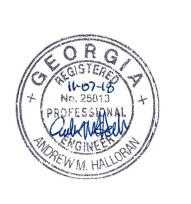
SEE SHEET C-000 FOR GENERAL NOTES AND DRAWING LEGEND

SCOPE OF WORK CLARIFICATION:

GENERAL CONTRACTOR SHALL PROVIDE IMPROVEMENTS SHOWN

SCALE: 1" = 10'







CENTER SENIOR LUMPKIN COUNTY EXPANSION

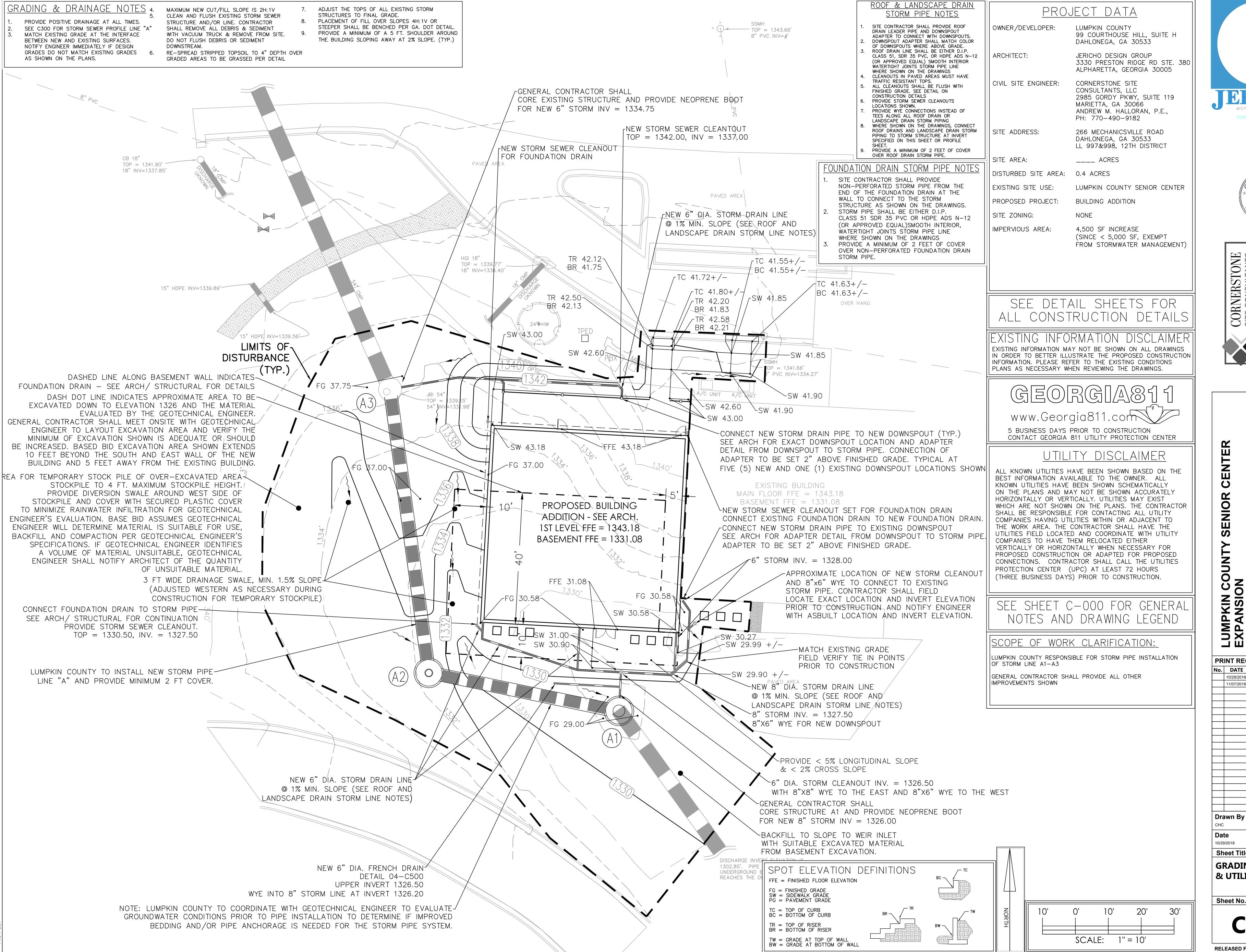
PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 PERMIT DOCUMENT **Checked By** Drawn By

Job No.

Sheet Title **SITE PLAN**

Sheet No.

C-100









C

PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT Drawn By Checked By

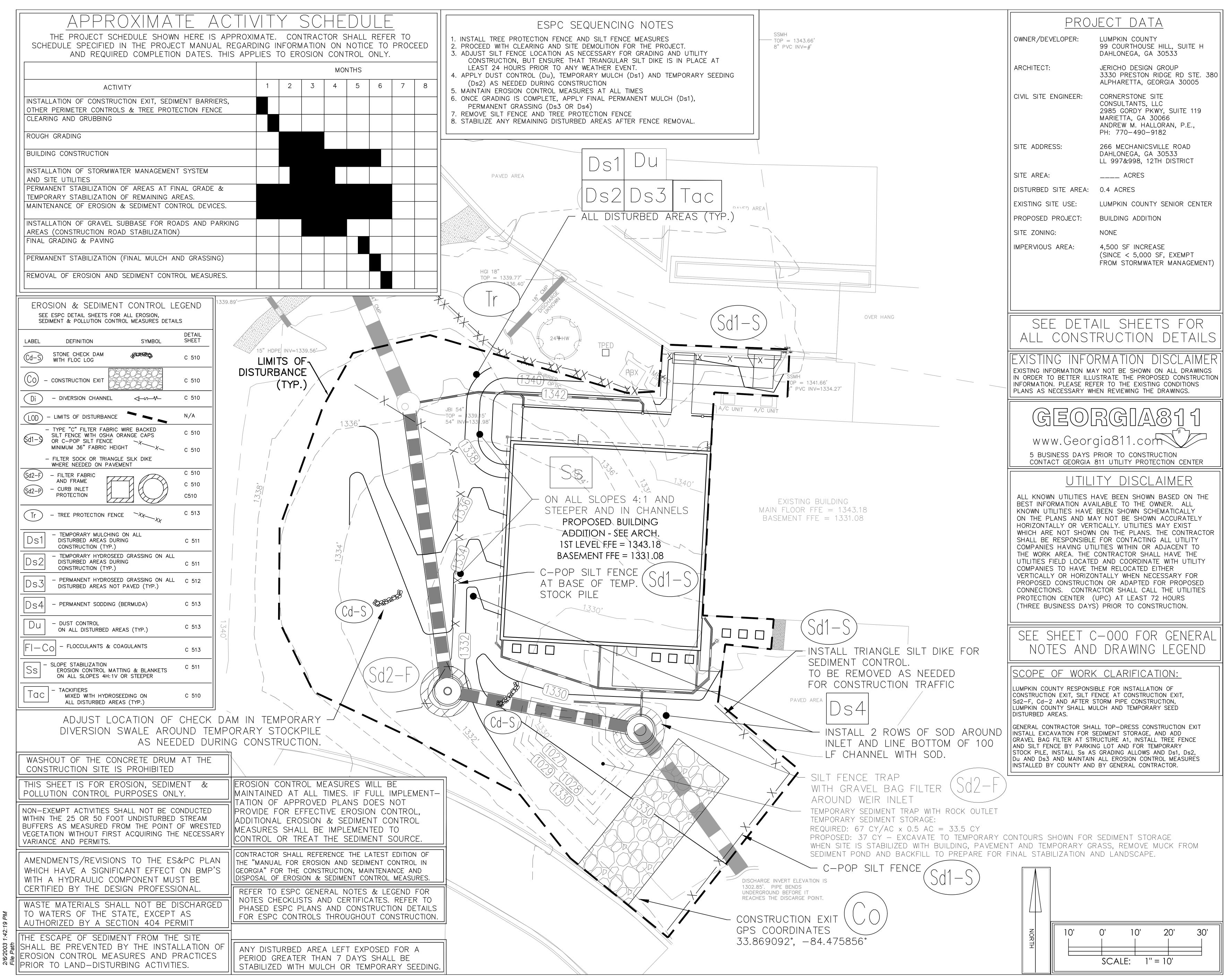
Job No. 10/29/2018

Sheet Title

GRADING, DRAINAGE & UTILITY PLAN

Sheet No.

C-110





CORNERSTONE SITE CONSULTANTS

C 00 LUMPKIN EXPANSIC

PRINT RECORD DESCRIPTION

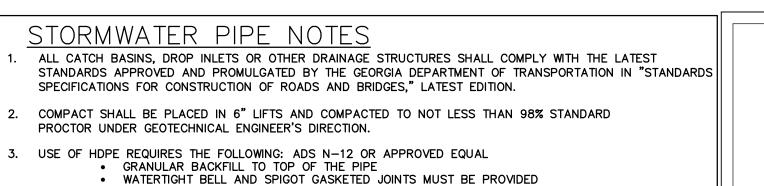
Checked By Drawn By Date

Job No.

Sheet Title **EROSION AND**

SEDIMENT CONTROL PLAN Sheet No.

C-130



36-INCH DIAMETER OR GREATER MUST BE INSPECTED AND CERTIFIED BY A GEOTECHNICAL

ENGINEER OR A MANUFACTURERS REPRESENTATIVE DUAL WALL SMOOTHBORE PIPE ONLY. PIPE LENGTHS ARE SCALED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. CONTRACTOR SHALL VERIFY PIPE LENGTH PRIOR TO ORDER PIPE AND PRIOR TO CONSTRUCTION.

WITH THE PROPOSED DESIGN.

. SEE BEDDING DETAILS ON THIS SHEET B. PLUG ALL PICK HOLES IN PRECAST STRUCTURES WITH NON-SHRINK GROUT

MORTAR INVERTS IN BASE OF STRUCTURES.

FIELD VERIFICATION REQUIRED WHERE PROPOSED STORM AND SANITARY SEWERS EITHER CONNECT TO OR CROSS EXISTING UTILITIES, THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION SIZE AND INVERT ELEVATIONS OF ALL EXISTING STORM SEWER, SANITARY SEWER

AND OTHER EXISTING UTILITIES PRIOR TO ORDERING PIPE AND

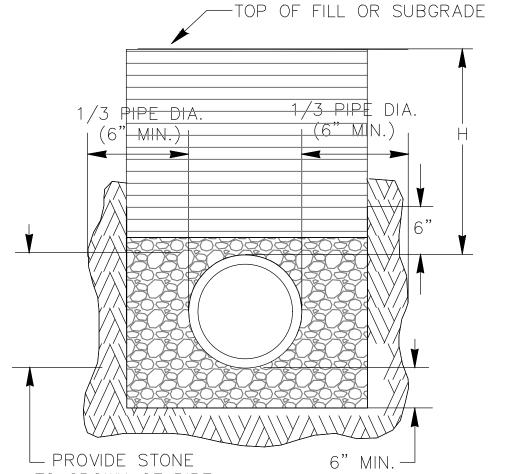
PRIOR TO CONSTRUCTION AND SHALL SUBMIT TO THE CIVIL

ENGINEER FOR REVIEW TO ENSURE THERE ARE NO CONFLICTS

1/3 PIPE DIA. (6" MN.) - PROVIDE STONE 6" MIN. ─ TO CROWN OF PIPE #57 BEDDING STONE

FILL MATERIAL MEETING PROJECT PROJECT SPECIFICATIONS. ETC. COMPACTED AT TO PROJECT

MINIMUM COVER SHALL BE 12" FROM TOP OF PIPE TO BOTTOM OF PAVEMENT BASE AT ITS CLOSEST POINT.



SPECIFICATIONS AND COMPACTED TO SELECT BACKFILL FREE OF CLUMPS, ROCK, SPECIFICATIONS IN MAXIMUM 6" LAYERS.

FINE GRANULAR MATERIAL UNIFORMLY COMPACTED TO PROJECT SPECIFICATIONS.

HDPE STORM PIPE BEDDING DETAIL NOT TO SCALE

PROJECT DATA

OWNER/DEVELOPER: LUMPKIN COUNTY 99 COURTHOUSE HILL, SUITE H

DAHLONEGA, GA 30533

ARCHITECT: JERICHO DESIGN GROUP 3330 PRESTON RIDGE RD STE. 380 ALPHARETTA, GEORGIA 30005

CIVIL SITE ENGINEER: CORNERSTONE SITE CONSULTANTS, LLC 2985 GORDY PKWY, SUITE 119

MARIETTA, GA 30066 ANDREW M. HALLORAN, P.E., PH: 770-490-9182

SITE ADDRESS: 266 MECHANICSVILLE ROAD DAHLONEGA, GA 30533

LL 997&998, 12TH DISTRICT ____ ACRES

DISTURBED SITE AREA: 0.4 ACRES

SITE AREA:

EXISTING SITE USE: LUMPKIN COUNTY SENIOR CENTER

PROPOSED PROJECT: BUILDING ADDITION

SITE ZONING: NONE IMPERVIOUS AREA: 4,500 SF INCREASE

> (SINCE < 5,000 SF, EXEMPT FROM STORMWATER MANAGEMENT)

SEE DETAIL SHEETS FOR ALL CONSTRUCTION DETAILS

XISTING INFORMATION DISCLAIMER EXISTING INFORMATION MAY NOT BE SHOWN ON ALL DRAWINGS IN ORDER TO BETTER ILLUSTRATE THE PROPOSED CONSTRUCTION INFORMATION. PLEASE REFER TO THE EXISTING CONDITIONS PLANS AS NECESSARY WHEN REVIEWING THE DRAWINGS.

GEORGIA811

www.Georgia811.com 5 BUSINESS DAYS PRIOR TO CONSTRUCTION

CONTACT GEORGIA 811 UTILITY PROTECTION CENTER

UTILITY DISCLAIMER

ALL KNOWN UTILITIES HAVE BEEN SHOWN BASED ON THE BEST INFORMATION AVAILABLE TO THE OWNER. ALL KNOWN UTILITIES HAVE BEEN SHOWN SCHEMATICALLY ON THE PLANS AND MAY NOT BE SHOWN ACCURATELY HORIZONTALLY OR VERTICALLY. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED EITHER VERTICALLY OR HORIZONTALLY WHEN NECESSARY FOR PROPOSED CONSTRUCTION OR ADAPTED FOR PROPOSED CONNECTIONS. CONTRACTOR SHALL CALL THE UTILITIES PROTECTION CENTER (UPC) AT LEAST 72 HOURS (THREE BUSINESS DAYS) PRIOR TO CONSTRUCTION.

SEE SHEET C-000 FOR GENERAL NOTES AND DRAWING LEGEND





ENTER C SENIOR LUMPKIN COUNTY EXPANSION

PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 PERMIT DOCUMENT Drawn By Checked By

Job No. 10/29/2018

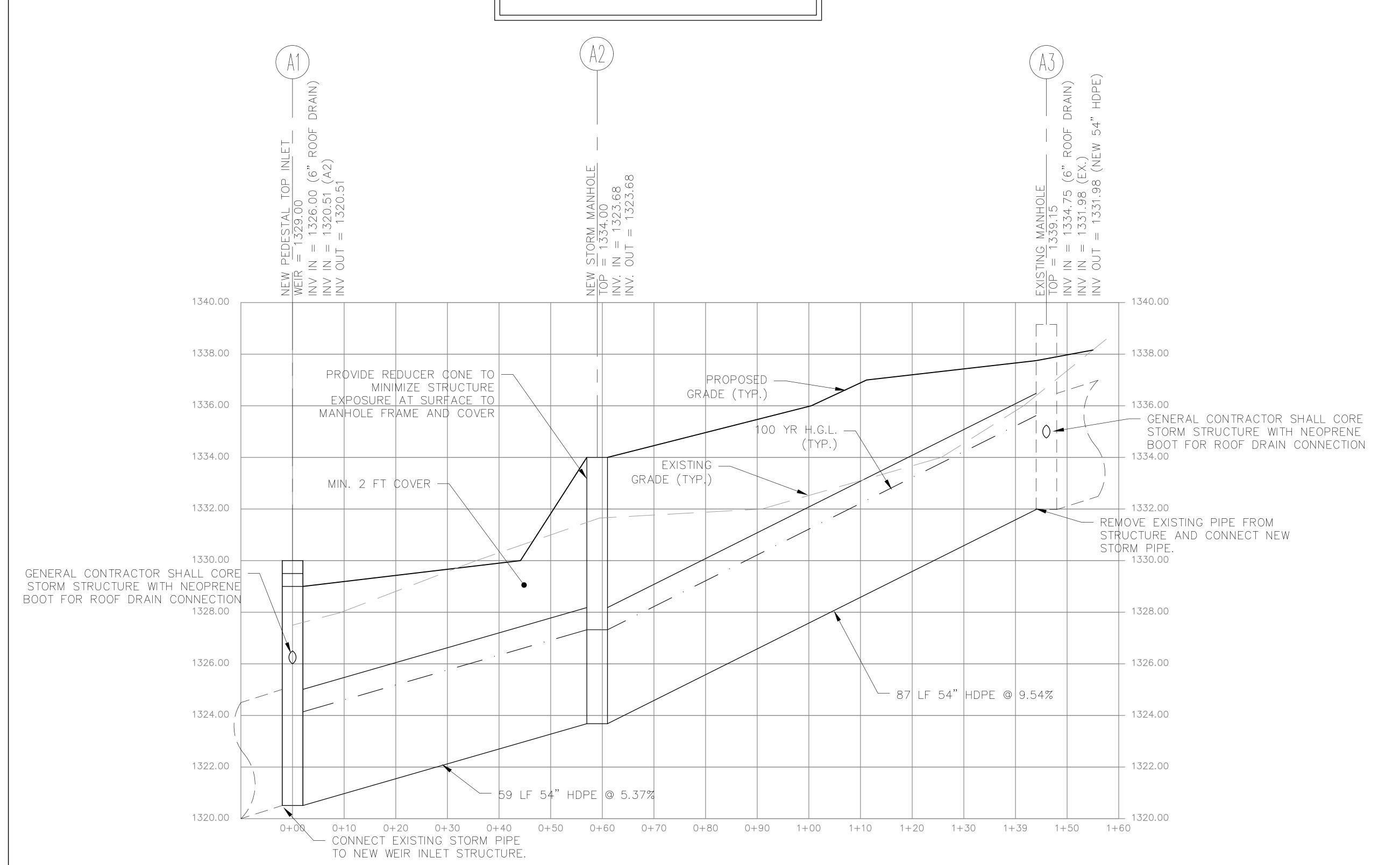
Sheet Title **STORM PROFILES**

Sheet No.

C-300

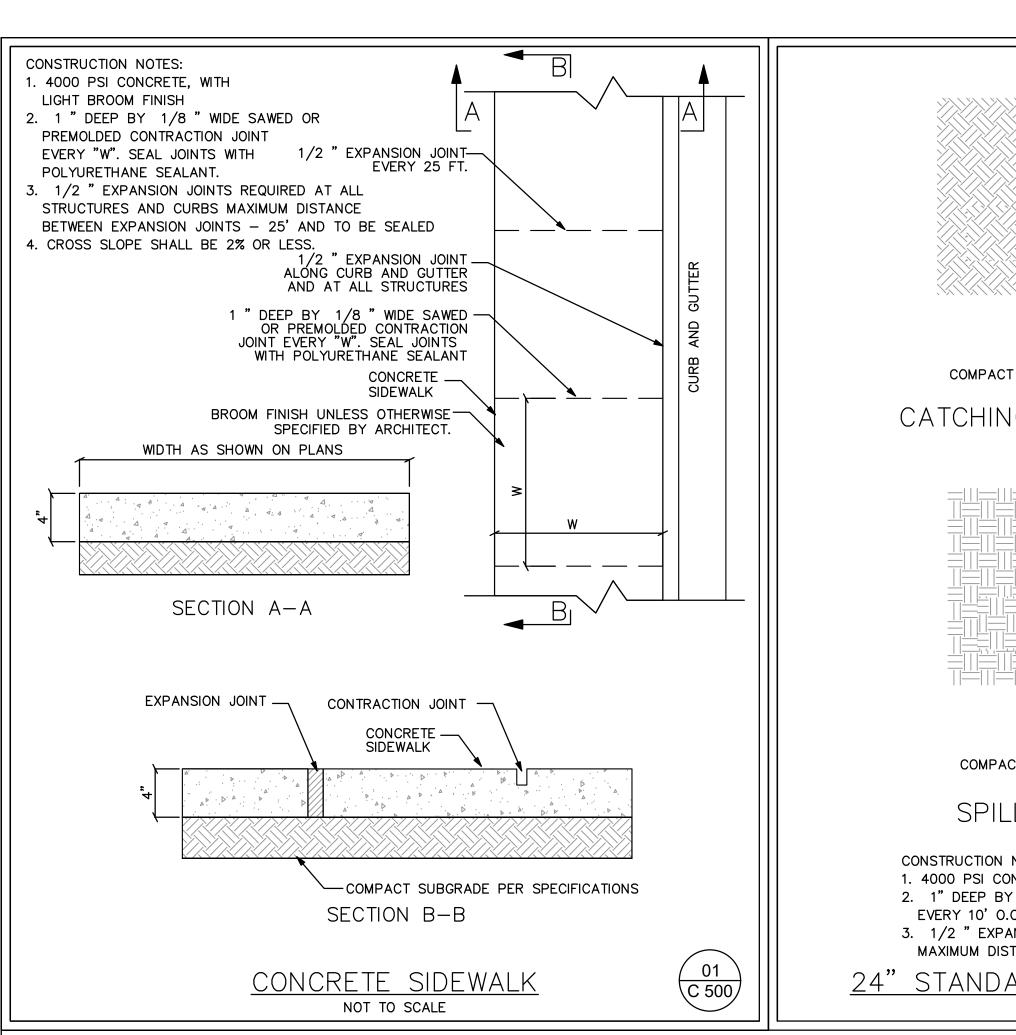
RELEASED FOR CONSTRUCTION

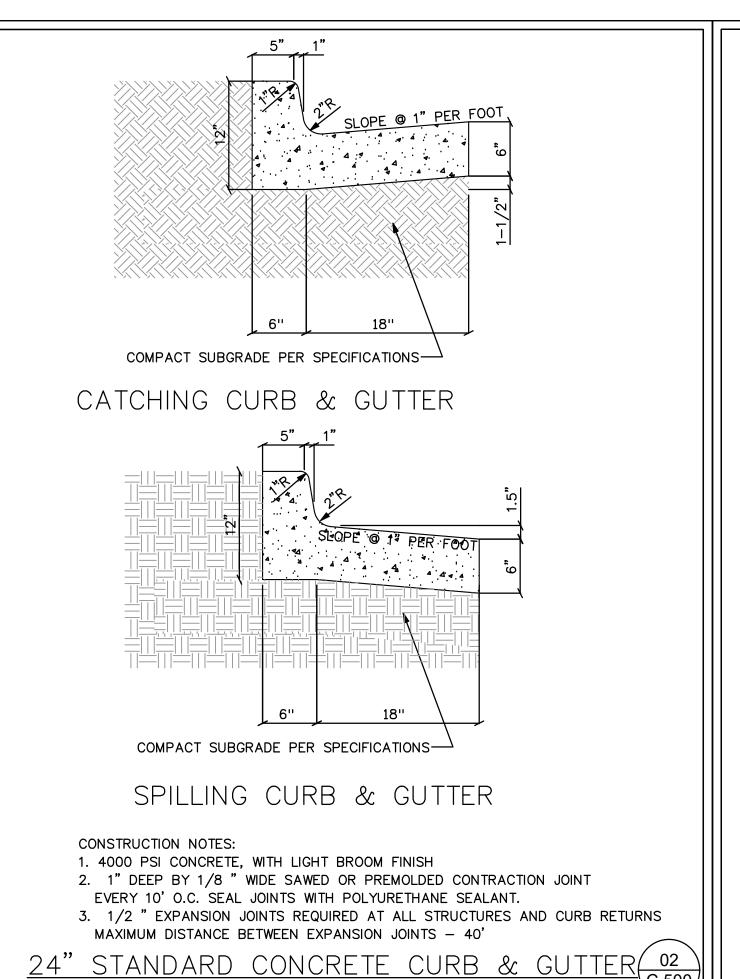
SCOPE OF WORK CLARIFICATION: LUMPKIN COUNTY SHALL INSTALL STORM SEWER LINE A1-A3



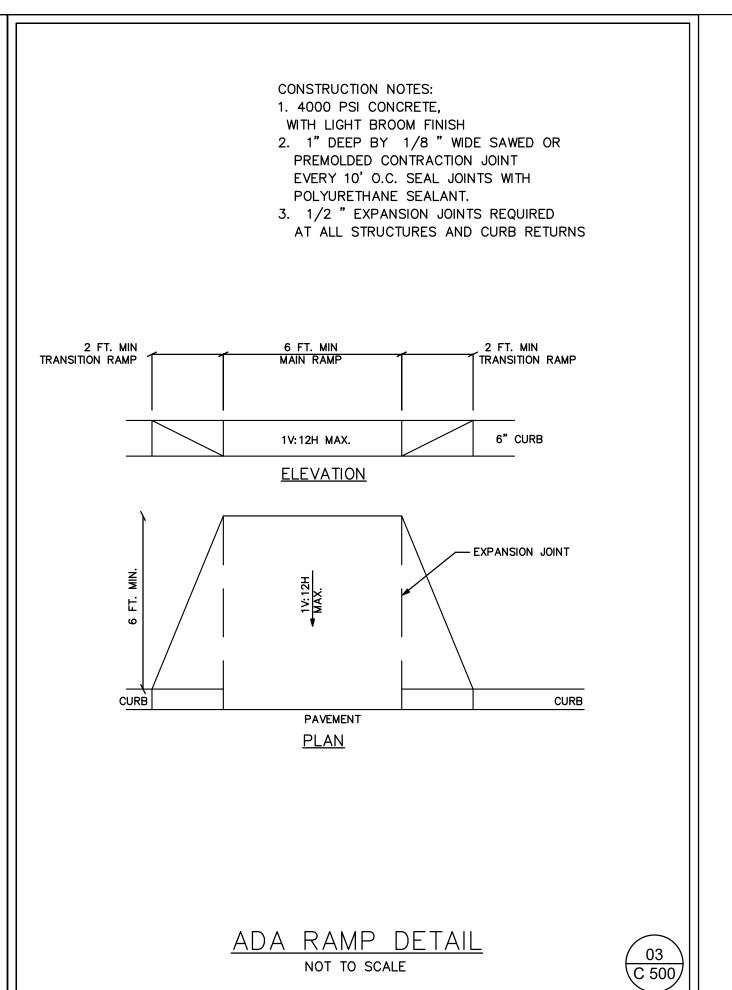
STORM SEWER PROFILE LINE A

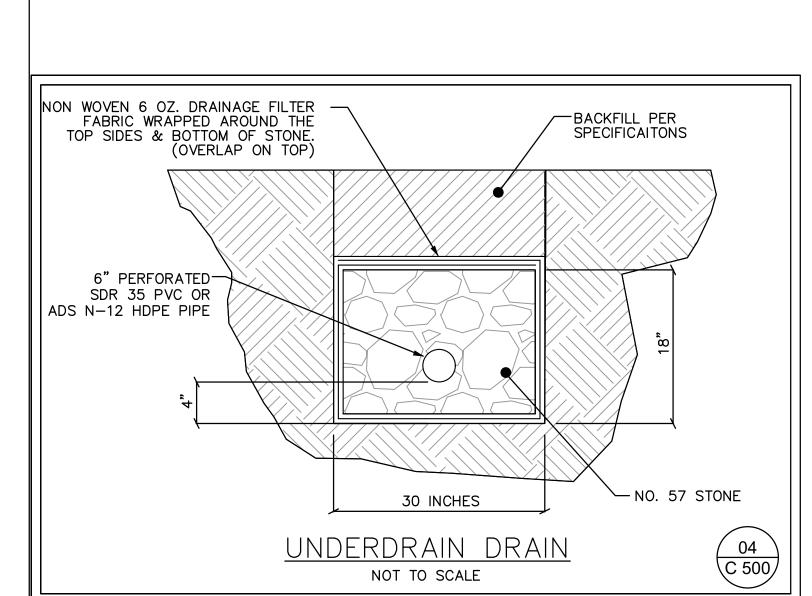
PROFILE SCALE: 1" = 10' H, 1" = 2' V

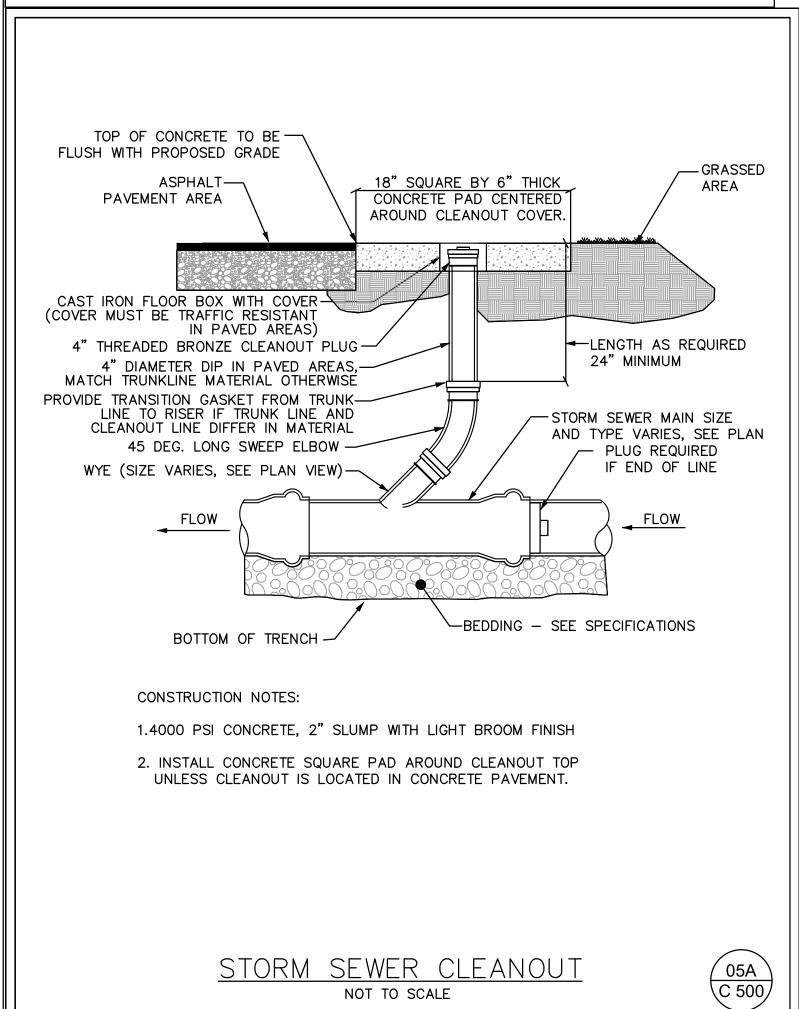




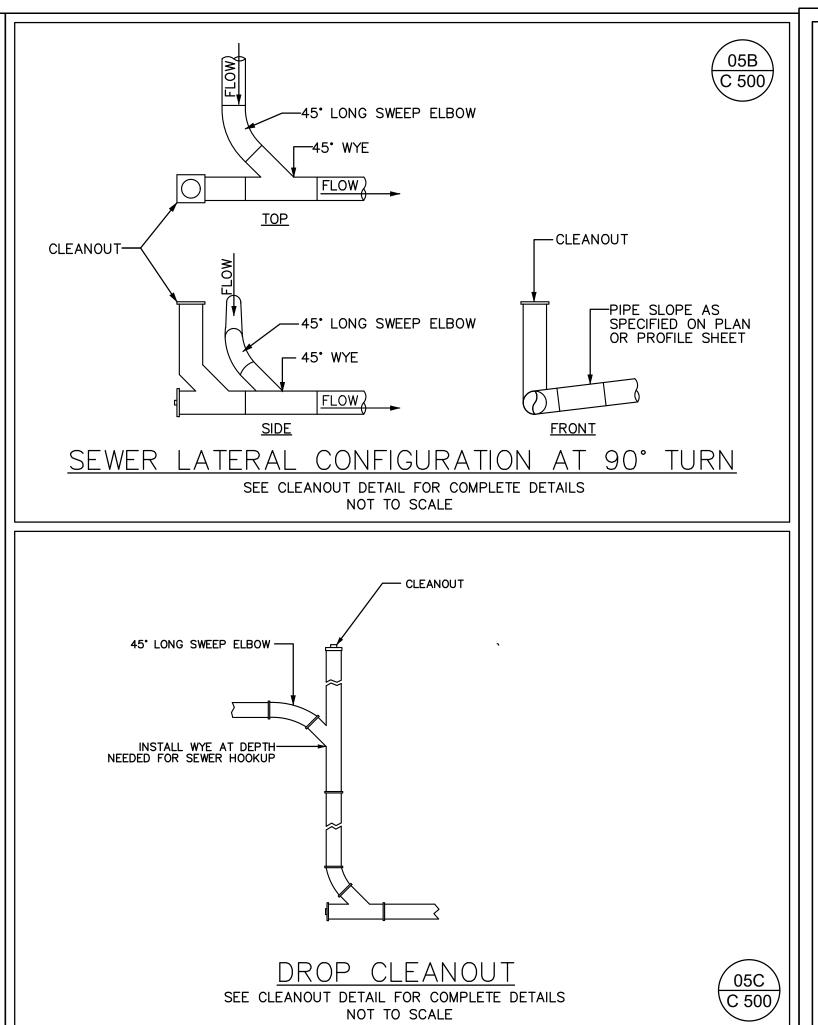
NOT TO SCALE

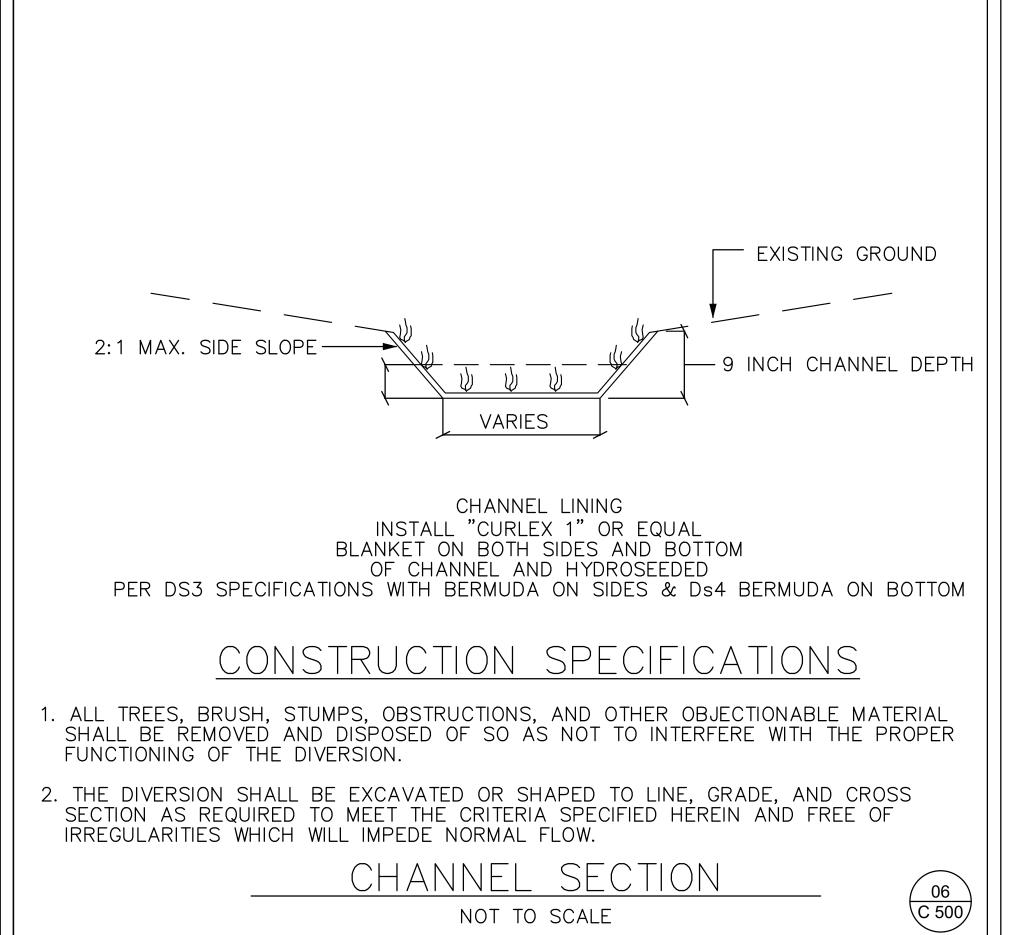




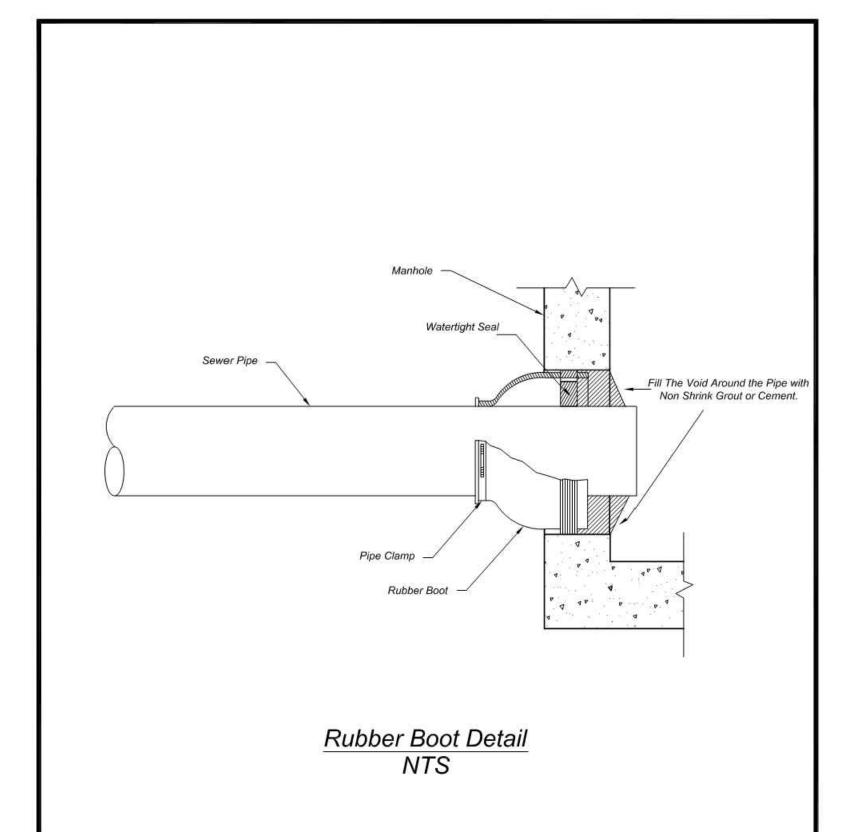


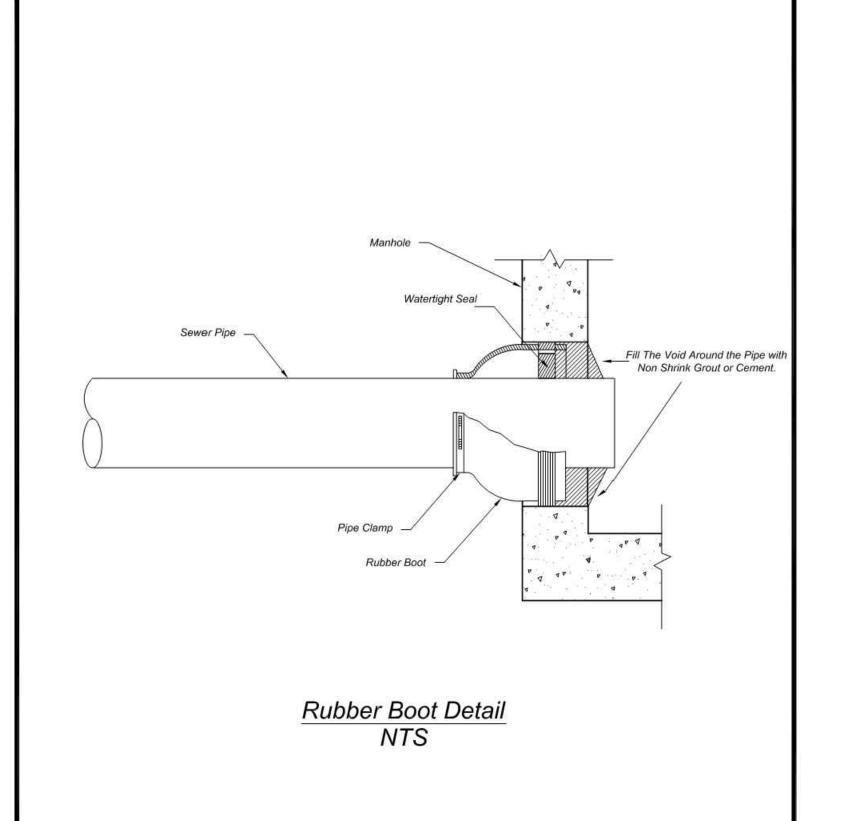
NOT TO SCALE





NOT TO SCALE









CORNERSTONE SITE CONSULTANTS

0

PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 PERMIT DOCUMENT Drawn By Checked By Date Job No.

10/29/2018 Sheet Title

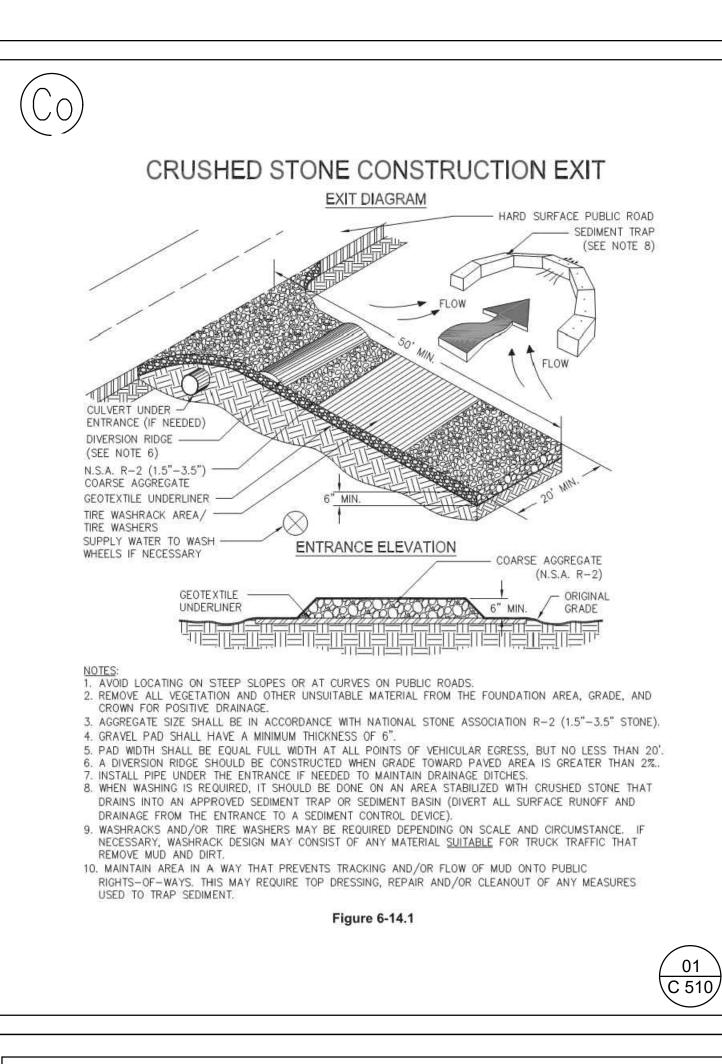
> CONSTRUCTION **DETAILS**

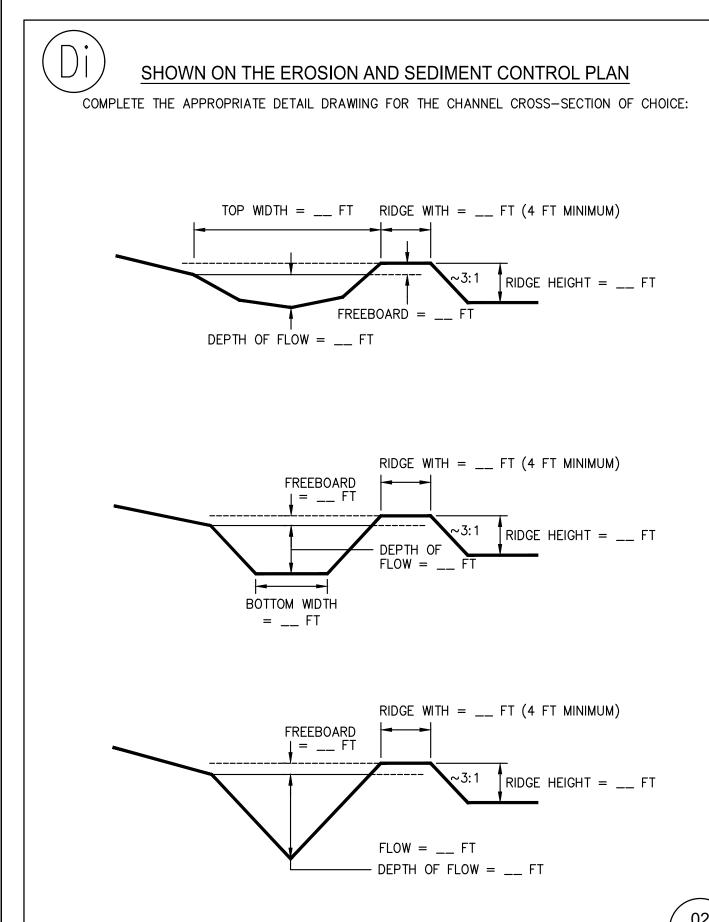
C-500

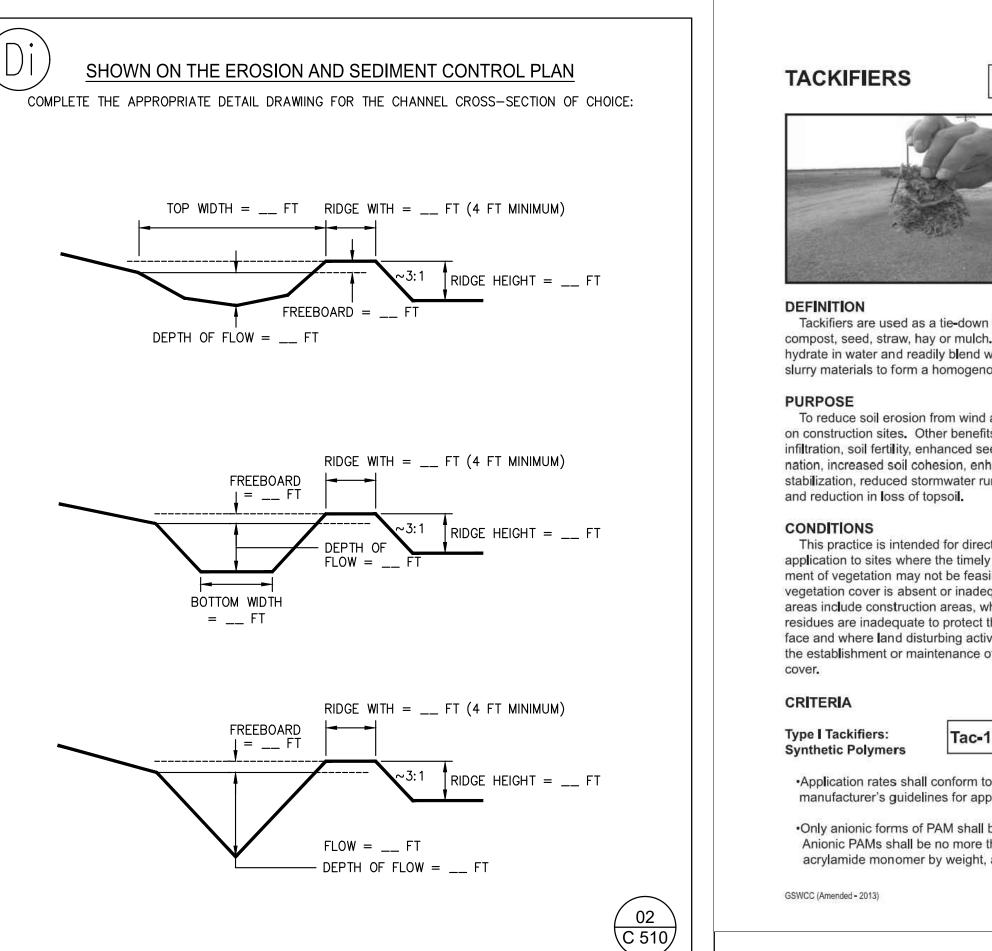
RELEASED FOR CONSTRUCTION

Sheet No.

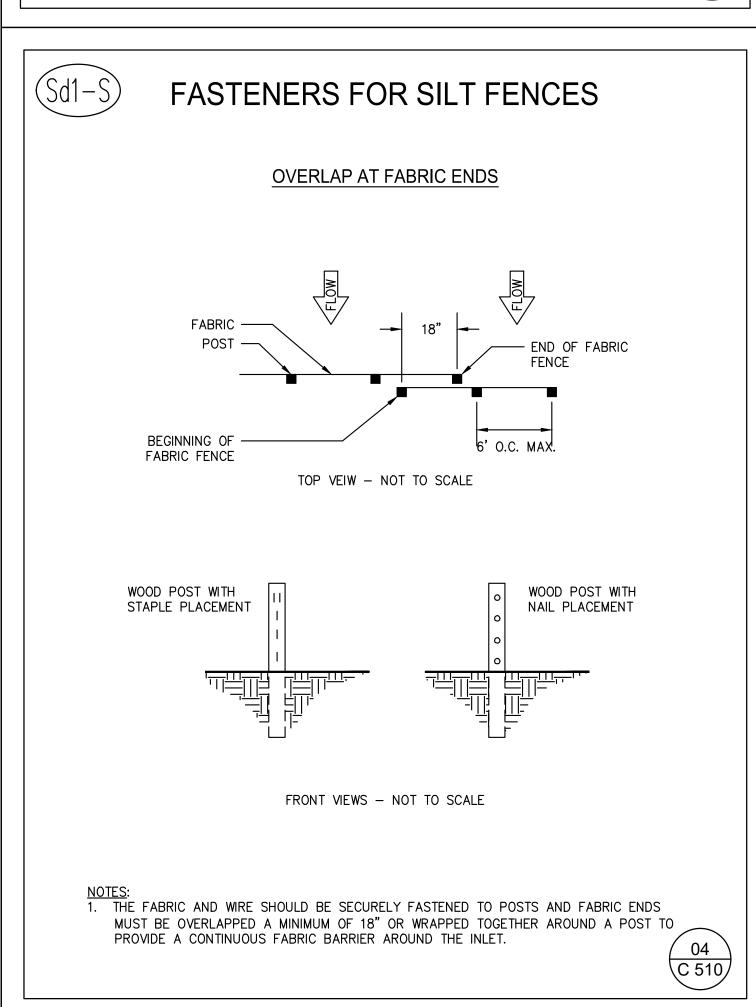
07 C 500

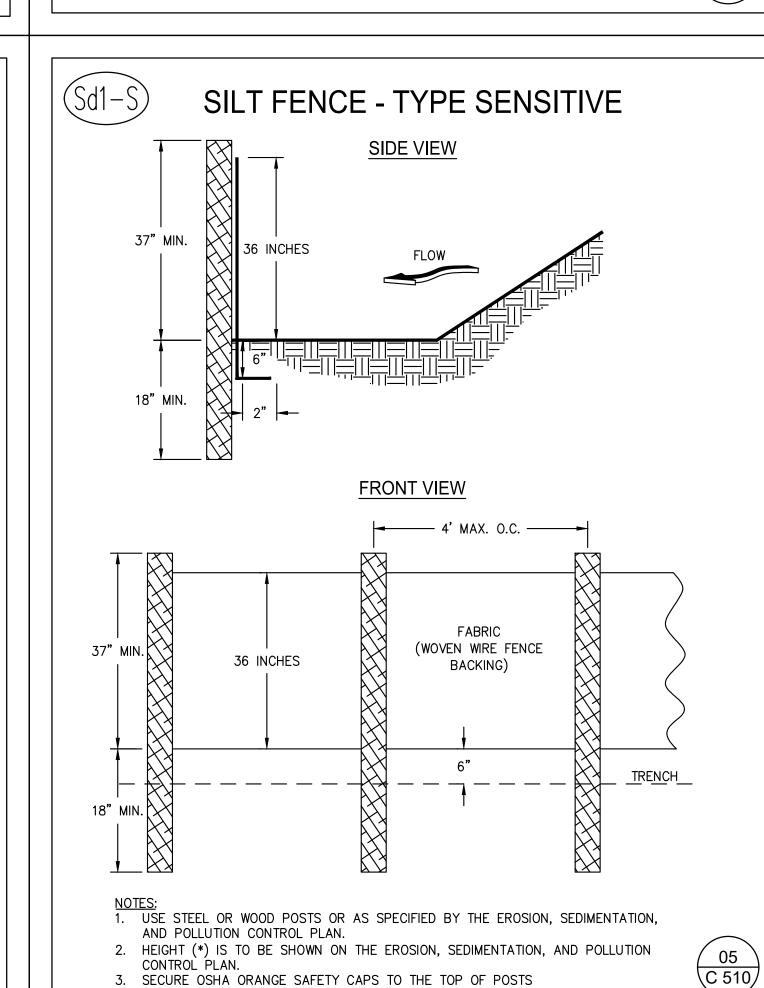


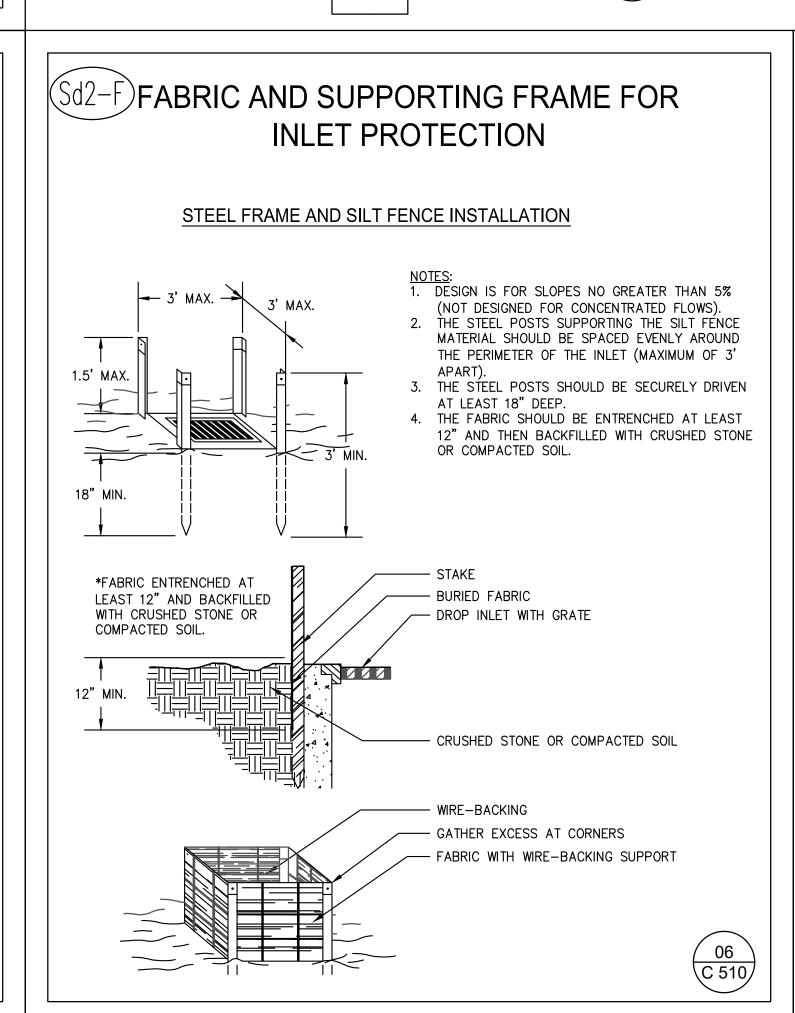


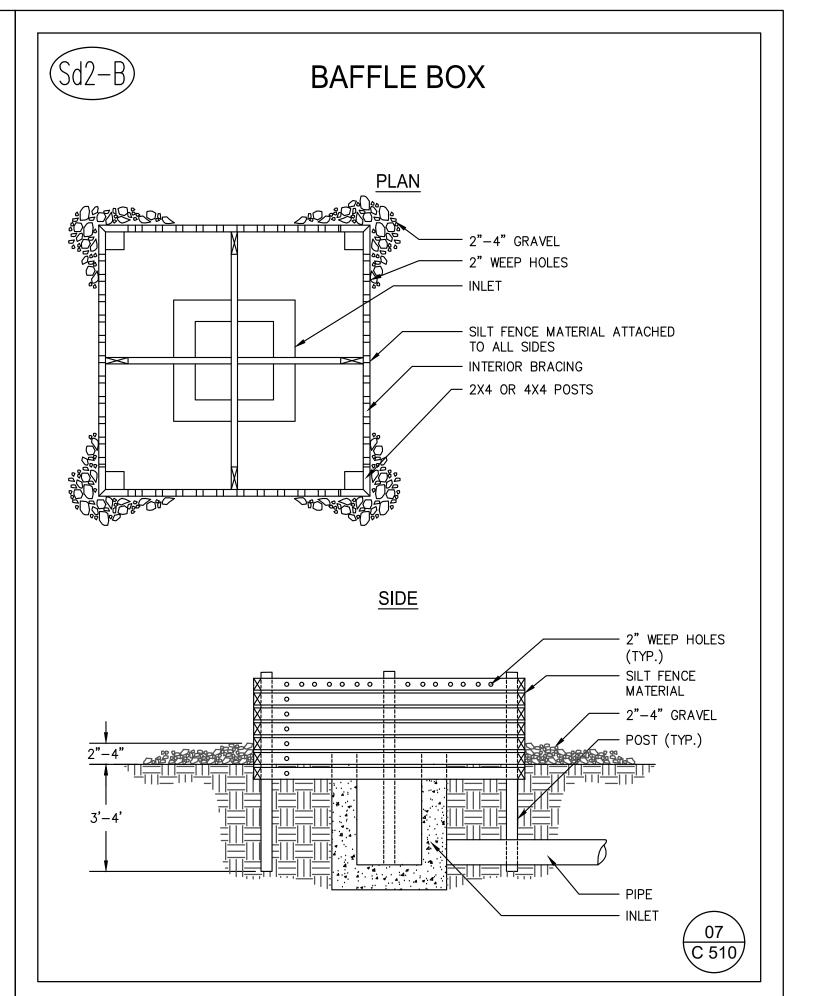


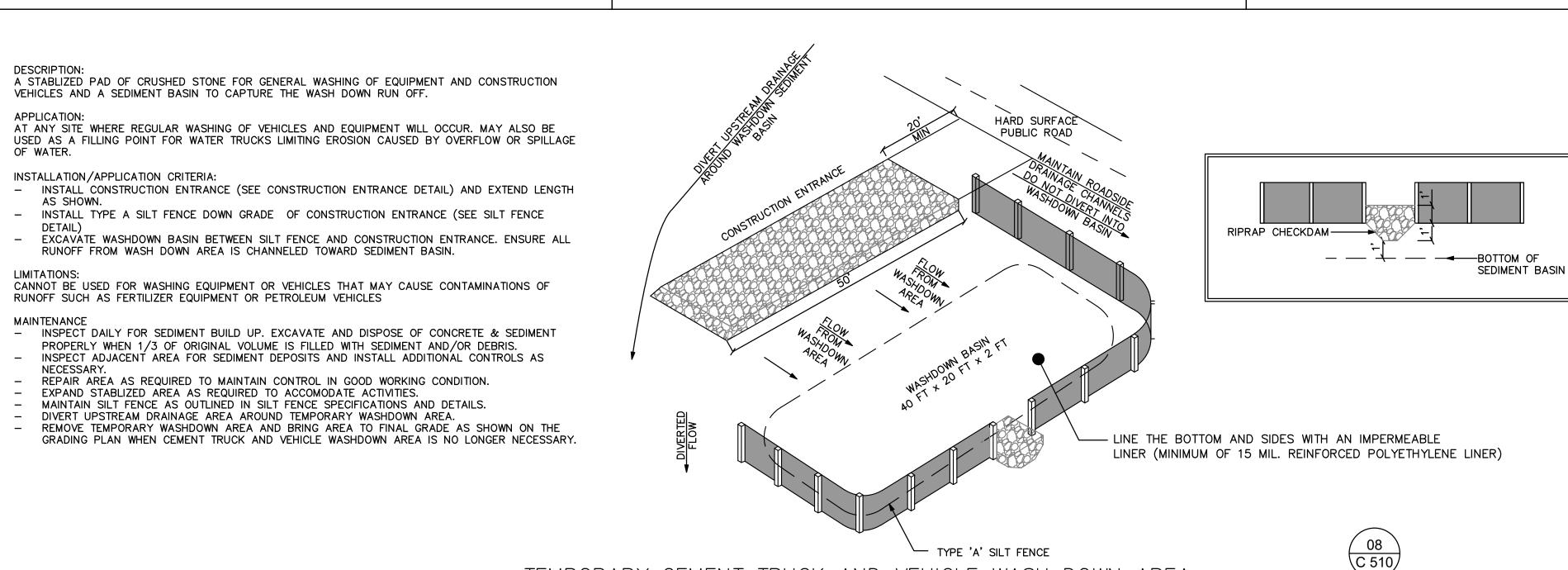












TEMPORARY CEMENT TRUCK AND VEHICLE WASH DOWN AREA NOT TO SCALE

TYPE 'A' SILT FENCE



CORNERSTONE SITE CONSULTANTS

C

PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 PERMIT DOCUMENT

Drawn By Checked By

Date Job No. 10/29/2018 17001DG

ESPC DETAILS

RELEASED FOR CONSTRUCTION

Sheet Title

Sheet No.



CORNERSTONE

NTE C S 0

MP PA

PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By

Date Job No. 10/29/2018 17001DG

Sheet Title

ESPC DETAILS

Sheet No. C-511

turbed Area Stabilization (With Temporary Disturbed Area Stabilization Seeding), Ds3 - Disturbed Area Stabilization (With Mulching Only) Ds1 (With Permanent Seeding), and Ds4 - Disturbed Area Stabilization (With Sodding).

> SPECIFICATIONS Mulching Without Seeding

This standard applies to graded or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Grade to permit the use of equipment for

Site Preparation

- applying and anchoring mulch. Install needed erosion control measures as required such as dikes, diversions, berms,
- Loosen compact soil to a minimum depth of 3 inches.

terraces and sediment barriers.

Mulching Materials Select one of the following materials and

- apply at the depth indicated: Dry straw or hay shall be applied at a depth of To control undesirable vegetation 2 to 4 inches providing complete soil cover
 - application. 2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and

age. One advantage of this material is easy

applied as mulch. This method of mulching

can greatly reduce erosion control costs.

3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Applying Mulch When mulch is used without seeding, mulch shall be applied to provide full coverage of the

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.

2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.

Apply polyethylene film on exposed areas.

Anchoring Mulch 1. Straw or hay mulch can be pressed into

the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

> Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifers, binders and hydraulic mulch with tackifier specifically desgined for tacking straw can be substituted for emulsified asphalt. Please refer to specification Tac-Tackifers. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's speci-

2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.

3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

photodegradable or biodegradable nets. Slope Stabilization

A protective covering used to prevent erosion

and establish temporary or permanent vegetation

To provide a cover layer that stabilizes the soil

Slope stabilization can be applied to flat areas

or slopes where the erosion hazard is high and

slope protection is needed during the establish-

For a product or practice to be approved

as slope stabilization, that product or practice

must have a documented C- factor of 0.080, as

specified by GSWCC. For complete test proce-

dures and approved products list please visit

Care must be taken to choose the type of

propriate for the specific needs of a project. Two

general types of slope stabilization products are

slope stabilization product which is most ap-

Rolled Erosion Control Products (RECP)

A natural fiber blanket with single or double

ment of vegetation.

PERFORMANCE EVALUATION

www.gaswcc.georgia.gov.

PLANNING CONSIDERATIONS

discussed within this specification.

and acts as a rain drop impact dissipater while

providing a microclimate which protects young

vegetation and promotes its establishment. If

using slope stabilization to reinforce channels,

please refer to specification, Ch- Channel

on steep slopes, shore lines, or channels.

Hydraulic Erosion Control Products (HECP) HECP shall utilize straw, cotton, wood or other natural based fibers held together by a soil binding agent which works to stabilize soil particles. Paper mulch should not be used for erosion

Rolled Erosion Control Products (RECPs) and Hydraulic Erosion Control Products (HECPs):

Installation and stapling of RECPs and

application rates for the HECPs shall

conform to manufacturer's guidelines for application •Products shall have a maximum C-factor

(ASTM D6459) for the following slope grade: C-Factor (max.) Slope (H:V) 3:1 or greater

Materials - HECP Hydraulic erosion control products shall be prepackaged from the manufacturer. Field mixing of performance enhancing additives will not be allowed. Fiberous components should be all natural or biodegradable.

Products shall be determined to be non-toxic in accordance with EPA-821-R-02-012.

Materials - RECP Blankets shall be nontoxic to vegetation, seed, or wildlife. Products shall be determined to be non-toxic in accordance with EPA-821-R-02-012. At minimum, the plastic or biodegradable netting shall be stitched to the fibrous matrix to maximize strength and provide for ease

RECPs are categorized as follows:

of handling.

a. Short-Term (functional longevity 12 mo.)

4 lbs 2 lbs

i. Photodegradable Straw blankets with a top and bottom side photo degradable net. The maximum size of the mesh shall be openings of $\frac{1}{2}$ " X $\frac{1}{2}$ ". The blanket

net should have ultraviolet additives to delay

should be sewn together on 1.5" centers with

square yard.

ii. Biodegradable

b. Extended-Term

i.Photodegradable

0.6 lbs per square yard.

ii.Biodegradable

c. Long-Term

i. Photodegradable

(functional longevity 36 mo.)

(functional longevity 24 mo.)

degradable thread. Minimum thickness should be

Straw blanket with a top and bottom side bio-

degradable jute net. The top side net shall con-

sist of machine direction strands that are twisted

together and then interwoven with cross direction

The approximate size of the mesh shall be open-

strands (leno weave). The bottom net may be

leno weave or otherwise to meet requirements.

ings of 0.5" X 1.0". The blanket should be sewn

together on 1.5" centers with degradable thread.

Minimum thickness should be 0.25" and mini-

mum density should be 0.5 lbs per square yard.

coconut with a top and bottom side photodegrad-

able net. The top net should have ultraviolet ad-

the mesh shall be openings of 0.65" X 0.65". The

blanket should be sewn together on 1.5" cen-

ters with degradable thread. Minimum thickness

should be 0.35" and minimum density should be

Blankets that consist of 70% straw and 30%

coconut with a top and bottom side biodegrad-

gether and then interwoven with cross direction

strands (leno weave). The bottom net may be

leno weave or otherwise to meet requirements.

ings of 0.5" X 1.0". The blanket should be sewn

together on 1.5" centers with degradable thread.

mum density should be 0.65 lbs per square yard.

Blankets that consist of 100% coconut with a

top and bottom side photodegradable net. Each

Minimum thickness should be 0.25" and mini-

The approximate size of the mesh shall be open-

able jute net. The top side net shall consist of

machine direction strands that are twisted to-

0.35" and minimum density should be 0.5 lbs per

breakdown. The maximum size of the mesh shall be openings of 0.65" X 0.65". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.3" and minimum density should be 0.5 lbs per square yard.

iii. Biodegradable Blankets that consist of 100% coconut with a top and bottom side biodegradable jute net. The top side net shall consist of machine direction strands that are twisted together and then interwoven with cross direction strands (leno weave). The bottom net may be leno weave or otherwise to meet requirements. The approximate size of the mesh shall be openings of 0.5" X 1.0". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be

0.5 lbs per square yard. Blankets that consist of 70% straw and 30%

It is the intention of this section to allow interchangeable use of RECPs and HECPs for erosion protection on slopes. The project engineer ditives to delay breakdown. The maximum size of should select the type of erosion control product that best fits the need of the particular site. Site Preparation

After the site has been shaped and graded to the approved design, prepare a friable seedbed relatively free from clods and rocks more than one inch in diameter, and any foreign material that will prevent contact of the soil stabilization mat with the soil surface. Surface must be smooth to ensure proper contact of blankets or matting to the soil surface. If necessary, redirect any runoff from the ditch or slope during installa-

MAINTENANCE All erosion control blankets and matting should be inspected periodically following instal-

lation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until they become permanently stabilized.

EROSION CONTROL PRODUCTS (RECP) BLANKET AND MATTING CROSS-SECTIONS UPSTREAM TERMINAL TRANSVERSE CHECK SLOT DOWNSTREAM TERMINAL STEP 1: CUT TERMINAL SLOT. STEP 2: WORK UPSTREAM ACROSS STEP 2: SNUG MAT INTO SLOT. CHECK SLOT AND LAP BACK 15". A. STAKE MAT INTO SLOT. STEP 3: TUCK MAT LAP INTO SLOT B. USE 1" X 3" PRESSURE TREATED BOARD TO SPACE MAT AGAINST . BACKFILL AND COMPACT. A. BACKFILL AND PROGRESS UPSTREAM
B. PULL OUT TEMPORARY STAKES WHEN A. REVERSE MAT ROLL DIRECTION TO STREAM OVER REFILLED TERMINAL.
STAKE MAT DOWN TO ANCHOR OVERLAY CHECK LOT.
B. STAKE MAT TO ANCHOR TERMINAL. NO LONGER NEEDED FOR TENSIONING. B. TERMINAL. C. PROGRESS UPSTREAM WITH ROLL. PICTORAL VIEW OF TRANSVERSE SLOT SEQUENTIAL ROLL RUN OUT IN START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL A PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT. HE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THI WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE

TYPICAL INSTALLATION GUIDELINES FOR ROLLED

6-79

(1B) (C 511)

GSWCC (Amended - 2013)

Ss

(2C) (C 514)

GSWCC (Amended - 2013)

GSWCC (Amended - 2013)

(2B) (C 514)

Ss

LINING AT THE ROLL ENDS.

Disturbed Area Stabilization (With Temporary Seeding)



DEFINITION

DEFINITION

soil surface.

COMPLIANCE

GSWCC (Amended - 2013)

Applying plant residues or other suitable

To reduce runoff and erosion

To modify soil temperature

To increase biological activity in the soil

to all exposed areas within 14 days of distur-

bance. Mulch can be used as a singular erosion

applied at the appropriate depth, depending on

the material used, anchored and have a continu-

Maintenance shall be required to maintain

vegetation may be employed instead of mulch if

the area will remain undisturbed for less than six

If any area will remain undisturbed for greater

than six months, permanent vegetative tech-

niques shall be employed. Refer to Ds2 -Dis-

appropriate depth and 90% cover. Temporary

ous 90% cover or greater of the soil surface.

control device for up to six months, but it shall be

Mulch or temporary grassing shall be applied

REQUIREMENT FOR REGULATORY

To conserve moisture

materials, produced on the site if possible, to the

The establishment of temporary vegetative cover with fast growing seedings for seasonal protection on disturbed or denuded areas.

To reduce runoff and sediment damage of down stream resources

 To protect the soil surface from erosion To improve wildlife habitat

 To improve aesthetics To improve tilth, infiltration and aeration as well as organic matter for permanent

plantings REQUIREMENT FOR REGULATORY COMPLIANCE

(With Temporary Seeding).

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification Ds1-Disturbed Area Stabilization

Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established. Note: Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass). Contact NRCS or the local SWCD for more information.

SPECIFICATIONS

Grading and Shaping Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

> No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used. Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amounts of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, ripper, or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed

and some hydraulic mulch, then topped with the

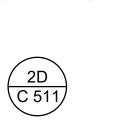
Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, culti-packer-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand. See Table 6-4.1

Temporary vegetation can, in most cases, be established without the use of mulch, provided there is little to no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment. Mulch without seeding should be considered for short term protection. Refer to Ds1 - Disturbed Area Stabilization (With Mulching Only).

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when

GSWCC (Amended - 2013)











Ds2



2C C 511

Ds2

(2B) (C 511)

(2E) (C 511)

GSWCC (Amended - 2013)

remaining required application rate.

₹ a o

₹ 4 0

CORNERSTONE

MP

Date 10/29/2018 17001DG

Sheet Title ESPC DETAILS

Sheet No.

Disturbed Area Stabilization (With Permanent Vegetation)



DEFINITION The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization.

Permanent perennial vegetation shall be used to

PURPOSE

To improve aesthetics

achieve final stabilization.

 To protect the soil surface from erosion To reduce damage from sediment and

 To improve wildlife habitat and visual resources

REQUIREMENT FOR REGULATORY

runoff to down-stream areas

COMPLIANCE This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. Final Stabilization means that all soil disturbing activities at the site have been completed, and that for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by the GA EPD for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas),

or equivalent permanent stabilization measures.

tion establishment enhancement, and erosion

rial from the following and apply as indicated:

control effectiveness. Select the mulching mate-

Dry straw or dry hay of good quality and free

2. Wood cellulose mulch or wood pulp fiber

of weed seeds can be used. Dry straw shall

be applied at the rate of 2 tons per acre. Dry

hay shall be applied at a rate of 2 1/2 tons

shall be used with hydraulic seeding. It shall

be applied at the rate of 500 pounds per acre.

Dry straw or dry hay shall be applied (at the

rate indicated above) after hydraulic seeding.

wood pulp fiber, which includes a tackifier,

shall be used with hydraulic seeding on slopes

seed shall be applied at a rate of three tons

One thousand pounds of wood cellulose or

4. Sericea Lespedeza hay containing mature

5. Pine straw or pine bark shall be applied at a

thickness of 3 inches for bedding purposes.

Other suitable materials in sufficient quantity

may be used where ornamentals or other

ground covers are planted. This is not ap-

6. When using temporary erosion control blan-

kets or block sod, mulch is not required.

7. Bituminous treated roving may be applied on

planted areas, slopes, in ditches or dry water-

ways to prevent erosion. Bituminous treated

roving shall be applied within 24 hours after

an area has been planted. Application rates

and materials must meet Georgia Depart-

ment of Transportation specifications.

Wood cellulose and wood pulp fibers shall not

contain germination or growth inhibiting factors.

They shall be evenly dispersed when agitated in

water. The fibers shall contain a dye to allow visual

metering and aid in uniform application during

Straw or hay mulch will be spread uniformly

propriate for seeded areas.

GSWCC (Amended - 2013)

per acre.

3/4:1 or steeper.

per acre.

Permanent vegetation shall consist of, planted trees, shrubs, perennial vines; or a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For linear construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

CONDITIONS Permanent perennial vegetation is used to provide a protective cover for exposed areas

possible.

including cuts, fills, dams, and other denuded PLANNING CONSIDERATIONS

 Use conventional planting methods where When mixed plantings are done during mar-

6-87

(1D) (C 512)

ginal planting periods, companion crops shall No-till planting is effective when planting is

done following a summer or winter annual cover crop. Sericea lespedeza planted no-till into stands of rye is an excellent procedure. 4. Block sod provides immediate cover. It is especially effective in controlling erosion adjacent to concrete flumes and other structures. Refer to Specification Ds4-Disturbed

Irrigation should be used when the soil is dry or when summer plantings are done.

Area Stabilization (With Sodding).

Low maintenance plants, as well as natives, should be used to ensure long-lasting ero-Mowing should not be performed during the

quail nesting season (May to September). 8. Wildlife plantings should be included in

critical area plantings.

ing. The mulch may be spread by blower-type

of the soil surface.

Anchoring Mulch

spreading equipment, other spreading equipment

or by hand. Mulch shall be applied to cover 75%

plied uniformly with hydraulic seeding equipment.

Wood cellulose or wood fiber mulch shall be ap-

Anchor straw or hay mulch immediately after

Hay and straw mulch shall be pressed

into the soil immediately after the mulch is

spread. A special "packer disk" or disk har-

row with the disks set straight may be used.

The disks may be smooth or serrated and

should be 20 inches or more in diameter and

8 to 12 inches apart. The edges of the disks

shall be dull enough to press the mulch into the ground without cutting it, leaving much

of it in an erect position. Mulch shall not be

2. Synthetic tackifiers, binders or hydraulic

mulch specifically designed to tack straw,

shall be applied in conjunction with or im-

mediately after the mulch is spread. Syn-

thetic tackifiers shall be mixed and applied

according to manufacturer's specifications.

All tackifiers, binders or hydraulic mulch

specifically designed to tack straw should be

Winter plantings to stabilize the mulch. They

4. Plastic mesh or netting with mesh no larger

than one inch by one inch may be needed

to anchor straw or hay mulch on unstable

soils and concentrated flow areas. These

materials shall be installed and anchored

according to manufacturer's specifications.

Mulch is used as a bedding material to con-

serve moisture and control weeds in nurseries.

ornamental beds, around shrubs, and on bare

shall be applied at a rate of one-quarter to

3. Rye or wheat can be included with Fall and

verified nontoxic through EPA 2021.0 testing.

plowed into the soil.

Refer to Tackifiers-Tac

one-half bushel per acre.

Bedding Material

areas on lawns.

application by one of the following methods:

Wildlife Plantings Commercially available plants beneficial to wildlife species include the following:

Mast Bearing Trees Beech, Black Cherry, Blackgum, Chestnut, Chinkapin, Hackberry, Hickory, Honey Locust,

Native Oak, Persimmon, Sawtooth Oak and Sweetgum. All trees that produce nuts or fruits are favored

by many game species. Hickory provides nuts used mainly by squirrels and bear.

Shrubs and Small Trees

Bayberry, Bicolor Lespedeza, Crabapple, Dogwood, Huckleberry or Native Blueberry, Mountain Laurel, Native Holly, Red Cedar, Red Mulberry, Sumac, Wax Myrtle, Wild Plum and Blackberry.

Plant in patches without tall trees to develop stable shrub communities. All produce fruits used by many kinds of wildlife, except for lespedeza which produces seeds used by quail and songbirds.

Grasses, Legumes, Vines and Temporary Cover Bahiagrass, Bermudagrass, Grass-Legume mixtures, Partridge Pea, Annual Lespedeza, Orchardgrass (for mountains), Browntop Millet (for

temporary cover), and Native grapes. Provides herbaceous cover in clearings for a game bird brood-rearing habitat. Appropriate legumes such as vetches, clovers, and lespedezas may be mixed with grass, but they may die out

after a few years. CONSTRUCTION SPECIFICATIONS Grading and Shaping

ment is to be used. Vertical banks shall be sloped to enable plant establishment. When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so that equipment can be used safely

Grading and shaping may not be required

where hydraulic seeding and fertilizing equip-

Concentrations of water that will cause excessive

Grain straw

Grass Hay

Pine needles

Wood waste

cause runoff..

4" to 6"

4" to 6"

3" to 5"

4" to 6"

Irrigation will be applied at a rate that will not

Topdressing will be applied on all temporary

and permanent (perennial) species planted alone

or in mixtures with other species. Recommended

rates of application are listed in Table 6-5.1.

fertilizer rates are listed in Table 6-5.1.

Lime Maintenance Application

requirements. if desired.

Use and Management

November and March.

Second Year and Maintenance Fertilization

Second year fertilizer rates and maintenance

Apply one ton of agricultural lime every 4 to

6 years or as indicated by soil tests. Soil tests

can be conducted to determine more accurate

Mow Sericea Lespedeza only after frost to

ensure that the seeds are mature. Mow between

Bermudagrass, Bahiagrass and Tall Fescue may

be mowed as desired. Maintain at least 6 inches

of top growth under any use and management.

Moderate use of top growth is beneficial after es-

Exclude traffic until the plants are well estab-

lished. Because of the quail nesting season,

mowing should not take place between May and

and efficiently during seedbed preparation, seed-

ing, mulching and maintenance of the vegetation.

soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.

Lime and Fertilizer Rates and Analysis Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate

otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.

Lime spread by conventional equipment shall be 'ground limestone." Ground limestone is calcitic or dolomitic limestone ground so that 90 percent of the material will pass through a 10-mesh sieve, not less than 50 percent will pass through a 50-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.

Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" spanning from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.

It is desirable to use dolomitic limestone in the Sand Hills, Southern Coastal Plain and Atlantic Coast Flatwoods MLRAs. (See Figure 6-4.1)

Agricultural lime is generally not required where only trees are planted. Initial fertilization, nitrogen, topdressing, and maintenance fertilizer requirements for each spe-

application to keep the ingredients thoroughly

mixed. The mixture will be spread uniformly over

the area within one hour after being placed in the

cies or combination of species are listed in Table

Lime and Fertilizer Application When hydraulic seeding equipment is used, the initial fertilizer shall be mixed with seed, innoculant (if needed), and wood cellulose or wood pulp fiber mulch and applied in a slurry. The innoculant, if needed, shall be mixed with the seed prior to being placed into the hydraulic seeder. The slurry mixture will be agitated during

GSWCC (Amended - 2013)

(1C) (C 512)

hydroseeder.

the following ways:

seedling.

Finely ground limestone can be applied in the mulch slurry or in combination with the top dressing. When conventional planting is to be done, lime and fertilizer shall be applied uniformly in one of

1. Apply before land preparation so that it will be mixed with the soil during seedbed prepara-

2. Mix with the soil used to fill the holes, distribute in furrows.

Broadcast after steep surfaces are scarified, pitted or trenched. 4. A fertilizer pellet shall be placed at root depth

in the closing hole beside each pine tree

Plant Selection Refer to Tables 6-4.1, 6-5.2, 6-5.3 and 6-5.4 for approved species. Species not listed shall be approved by the State Resource Conservationist

of the Natural Resources Conservation Service before they are used. Plants shall be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting, method of planting; and the needs and

desires of the land user. Some perennial species are easily established and can be planted alone. Examples of these are Common Bermuda, Tall Fescue, and Weeping Lovegrass.

Other perennials, such as Bahia Grass and Sericea Lespedeza, are slow to become established and should be planted with another perennial species. The additional species will provide quick cover and ample soil protection until the target perennial species become established. For example, Common seeding combinations are 1) Weeping Lovegrass with Sericea Lespedeza (scarified) and 2) Tall Fescue with Sericea Lespedeza (unscarified).

Plant selection may also include annual compan-

ion crops. Annual companion crops should be used Broadcast plantings only when the perennial species are not planted during their optimum planting period. A common 1. Tillage, at a minimum, shall adequately GSWCC (Amended - 2013)

mixture is Brown Top Millet with Common Bermuda loosen the soil to a depth of 4 to 6 inches; in mid-summer. Care should be taken in selectalleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for ing companion crop species and seeding rates because annual crops will compete with perennial the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw species for water, nutrients, and growing space.

equipment.

be used.

Individual Plants

Ryegrass shall not be used in any seeding mixtures containing perennial species due to its ability to out-compete desired species chosen for permanent perennial cover.

A high seeding rate of the companion crop may

prevent the establishment of perennial species.

Seed Quality The term "pure live seed" is used to express the quality of seed and is not shown on the label. Pure live seed, PLS, is expressed as a percentage of the seeds that are pure and will germinate. Information on percent germination and purity can be found on seed tags. PLS is determined by multiplying the percent of pure seed with the percent of germination; i.e.,

(PLS = % germination x % purity)

Common Bermuda seed 70% germination, 80% purity

The percent of PLS helps you determine the

amount of seed you need. If the seeding rate is 10

pounds PLS and the bulk seed is 56 % PLS, the

You would need to plant 17.9 lbs/acre to provide

Seedbed preparation may not be required

ment is to be used (but is strongly recommended

for any seeding process, when possible). When

conventional seeding is to be used, seedbed

preparation will be done as follows:

where hydraulic seeding and fertilizing equip-

10 lbs. PLS/acre = 17.9 lbs/acre

10 lbs/acre of pure live seed.

Seedbed Preparation

large enough to accommodate roots without PLS = 70% germination x 80% purity

Where pine seedlings are to be planted. subsoil under the row 36 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

nnoculants All legume seed shall be inoculated with appropriate nitrogen-fixing bacteria. The innoculant shall be a pure culture prepared specifically for the seed species and used within the dates on

or hay mulch if a disk is to be used.

2. Tillage may be done with any suitable

Tillage should be done on the contour where

4. On slopes too steep for the safe operation

of tillage equipment, the soil surface shall

be pitted or trenched across the slope with

appropriate hand tools to provide two places

6 to 8 inches apart in which seed may lodge

and germinate. Hydraulic seeding may also

Where individual plants are to be set, the

2. For nursery stock plants, holes shall be

opening furrows, or dibble planting.

soil shall be prepared by excavating holes,

the container. A mixing medium recommended by the manufacturer shall be used to bond the innoculant to the seed. For conventional seeding, use twice the amount of innoculant recommended by the manufacturer. For hydraulic seeding, four times the amount of innoculant recommended by the manufacturer shall be used.

All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. No inoculated seed shall remain in the hydroseeder longer than one hour.

Hydraulic Seeding Mix the seed (innoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the

area to be treated. Apply within one hour after the mixture is made. Conventional Seeding

Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a culti-packer-seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equip-

No-Till Seeding No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots.

Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.

Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

Mulch is required for all permanent vegetation applications. Mulch applied to seeded areas shall achieve 75% to 100% soil cover. When selecting a mulch, design professionals should consider the mulch's functional longevity, vegeta-

GSWCC (Amended - 2013)

C 512





1B C 512



bulk seeding rate is:













		_	
Table 6	6-5.1. Fertilizer Requ	irements	in
AR	EQUIVALENT N-P-K	RATE	то

1/ Apply in spring following seeding.

4/ Apply when plants are pruned. 5/ Apply to grass species only. 6/ Apply when plants grow to a height of 2 to 4 inches.

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2/
Cool season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ —
3. Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac.	=
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	-
5. Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac. 4/	_
Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/6/ 50-100 lbs./ac. 2/ 30 lbs./ac.
Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac./6/

2/ Apply in split applications when high rates are used. 3/ Apply in 3 split applications.

(1G) (C 512)



GSWCC (Amended - 2013)

C 512

6-42

- HYDROSEEDED GRASS TO PROVIDE 90% DENSITY RESPREAD EXISTING TOPSOIL TO A MIN. 2 INCHES UP TO 4 INCHES IF AVAILABLE. - SUBGRADE PREPARE SOIL FOR HYDROSEEDING

GSWCC (Amended - 2013)

within 24 hours after seeding and/or plant-

C 512

6-91

GSWCC 2016 Edition

GSWCC (Amended - 2013)

P 0

1F C 512

RELEASED FOR CONSTRUCTION

seeding.

Applying Mulch

6-92

6-93



CORNERSTONE

C S

PRINT RECORD No. DATE DESCRIPTION

MP

1E C 513

10/29/2018 PERMIT DOCUMENT 11/07/2018 | PERMIT DOCUMENT

Drawn By Checked By

Job No.

Date 10/29/2018 17001DG Sheet Title

ESPC DETAILS

Sheet No.

RELEASED FOR CONSTRUCTION

DISTURBED AREA STABILIZATION



DEFINITION A permanent vegetative cover using sods on highly erodible or critically eroded lands.

Establish immediate ground cover.

 Reduce runoff and erosion. Improve aesthetics and land value.

 Reduce dust and sediments. Stabilize waterways, critical areas.

· Filter sediments, nutrients and bugs.

 Reduce downstream complaints. •Reduce likelihood of legal action.

 Reduce likelihood of work stoppage due to legal action.

· Increase "good neighbor" benefits.

This application is appropriate for areas which

require immediate vegetative covers, drop inlets, grass swales, and waterways with intermittent PLANNING CONSIDERATIONS

Sodding can initially be more costly than

seeding, but the advantages justify the increased

GSWCC (Amended - 2013)

initial costs:

CONDITIONS

 Immediate erosion control, green surface, and quick use.

3. Can be established nearly year-round.

as the lack of weeds.

Reduced failure as compared to seed as well

Sodding is preferable to seed in waterways and swales because of the immediate protection of the channel after application. Sodding must be staked in concentrated flow areas (See Figure 6-6.1).

Consider using sod framed around drop inlets to reduce sediments and maintaining the grade.

CONSTRUCTION SPECIFICATIONS Soil Preparation Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger

frozen surfaces, or gravel type soils. Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with her-

bicides or soil sterilants. Mix fertilizer into soil surface. Fertilize based

than 1". Apply sod to soil surfaces only and not

		er Requirer Application	
Fertilizer Type	Fertilizer Rate (Ibs/acre)	Fertilizer Rate (lbs/sq ft)	Season
10-10-10	1000	.025	Fall

Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod (See Figure 6-6.2)

On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil.

6-103

1A

C 513

Irrigate sod and soil to a depth of 4" immediately after installation.

> Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

MATERIALS Sod selected should be certified. Sod grown

in the general area of the project is desirable. Sod should be machine cut and contain 3/4" (+ or -1/4") of soil, not including shoots or

2. Sod should be cut to the desired size within + or -5%. Torn or uneven pads should be

Sod should be cut and installed within 36 hours of digging.

Avoid planting when subject to frost heave or hot weather, if irrigation is not available. 5. The sod type should be shown on the plans

or installed according to Table 6-6.2. See

Figure 6-4.1 for your Resource Area.

MAINTENANCE Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified (See Figure 6-6.2). Apply one ton of agricultural lime as indicated

by soil test or every 4-6 years. Fertilize grasses in

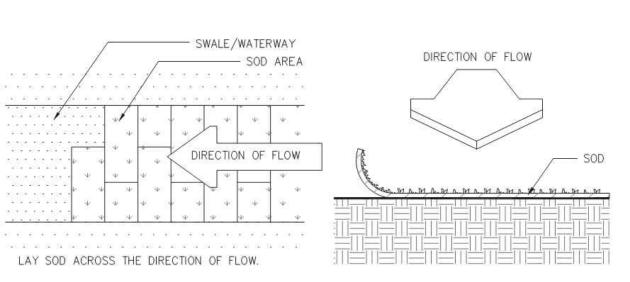
accordance with soil tests or Table 6-6.3.

Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	M-L,P,C P,C P,C P,C	warm weather
Bahiagrass	Pensacola	P,C	warm weather
Centipede	_	P,C	warm weather
St. Augustine	Common Bitterblue Raleigh	С	warm weather
Zoysia	Emerald Myer	P,C	warm weather
Tall Fescue	Kentucky	M-L,P	cool weather

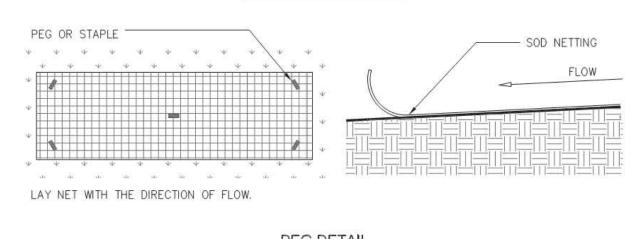
Table 6-6.3 Fertilizer Requirements for Sod				
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
cool	first	6-12-12	1500	50-100
season	second	6-12-12	1000	-
grasses	maintenance	10-10-10	400	30
warm	first	6-12-12	1500	50-100
season	second	6-12-12	800	50-100
grasses	maintenance	10-10-10	400	30

SOD DIRECTIONS

SODDED WATERWAYS



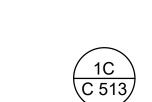
NETTING DIRECTIONS



PEG DETAIL 6"-10" Source: Va. DSWC

IN CRITICAL AREAS, SECURE SOD WITH NETTING USING STAPLES. USE PEGS OR STAPLES TO FASTEN SOD FIRMLY -- AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3-4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.

Figure 6-6.1



Source: Va, DSWC

(1D) (C 513)

RESPREAD EXISTING TOPSOIL TO A MIN. 2 INCHES UP TO 4 INCHES IF AVAILABLE. PREPARE SOIL FOR HYDROSEEDING

GSWCC (Amended - 2013)

Dust Control on

DEFINITION Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE from exposed soil surfaces.

 To reduce the presence of airborne substances which may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

surface and air movement of dust where on and

METHOD AND MATERIALS

used according to manufacturer's recommenda-

Vegetative Cover. See specification Ds2 -

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification Tac - Tackifiers.

Tillage. This practice is designed to roughen

and bring clods to the surface. It is an emergency measure which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed. Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and

soil blowing. Barriers placed at right angles to

prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion. Calcium Chloride. Apply at rate that will keep

surface moist. May need retreatment. B. Permanent Methods

Permanent Vegetation. See specification Ds3 -Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See specification Tp - Topsoiling.

Stone. Cover surface with crushed stone or coarse gravel. See specification Cr-Construction Road Stabilization.

> sive order. Firstly the forces stabilizing suspended particles are neutralized allowing particles to meet (coagulate) and secondly, to form larger, heavier flocs (flocculants).

forming a sludge.

Flocculants

FI-Co CONDITIONS

DEFINITION Flocculants and Coagulants (Fl-Co) are formulated to assist in the solids/liquid separation of suspended particles in solution. Such particles are characteristically very small and the suspended stability of such particles (colloidal complex) is due to both their small size and to the electrical charge between particles. Conditioning a solution to promote the removal of suspended particles requires chemical coagulation and/or flocculation.

Coagulants

A coagulant is required to help give body to the water. Coagulants neutralize the repulsive electrical charges (typically negative) surrounding particles allowing them to "stick together" creating clumps or flocs that form a small to mid-size particles (sometimes called a pin-floc). Once the pin-floc has formed, a second chemical called a flocculent is required to make even larger particles. Flocculants facilitate the agglomeration or aggregation of the coagulated particles to form larger floccules and acts as a net where it gathers up the smaller coagulated particles making a larger particle. This larger particle will slowly drop to the bottom of the container (vessel),

Coagulation and Flocculation occur in succes-

PURPOSE To settle suspended sediment, heavy metals and hydrocarbons (TSS) in runoff water from GSWCC (Amended - 2013)

construction sites for water clarification.

GSWCC (Amended - 2013)

C 513

Water clarification and the removal of turbidity will usually require the addition of flocculants, polymers, polyacrylamides (PAM), chitosan and other chemicals that cause soil particles to bind together, become heavy and settle to the bottom of a sediment trap, sediment basin or become entrapped in other BMPs. This practice is not intended for application to surface waters of the state. It is intended for application within construction storm water ditches and storm drainages which feed into pre-constructed ponds or basins or other BMPs.

Federal and Local Laws FI-Co applications shall comply with all federal, local laws, rules or regulations governing FI-Co. The operator is responsible for securing applicable required permits, if needed. This standard does not contain the text of the federal or local laws governing Flocculants/Coagulants.

Planning Considerations

Since settling of flocculated soil particles requires very slow moving (still) water, chemical additives should never be introduced into an outfall BMP where water leaves the property or enters state waters. In all cases where chemical additives are used to reduce turbidity, it is es-

sential to include a sediment basin or sediment

trap unless using a "pump and treat" treatment

Application rates shall conform to manufacturer's guidelines for application. Only anionic forms of FI-Co shall be used. Following are examples of FI-Co applications within construction storm water ditches or drain-

•FI-Co Bags or Socs that are installed directly in a ditch, pipe or culvert.

ageways which feed into sediment basins or

·FI-Co treated ditch checks (i.e. fiber rolls,

in conjunction with FI-Co).

wattles, or compost logs inoculated or used

·Granulated FI-Co treated rock ditch checks.

Ditch checks with attached FI-Co Bags or

GSWCC (Amended - 2013)

•Addition of granular FI-Co directly into a

·Erosion control blankets and turf reinforce-

ment mats that have been inoculated with a

"Pump and Treat" systems that use mechanical mixing with a chemical treatment of a

Operation and Maintenance Application rates shall conform to manufacturer's guidelines for application. Maintenance shall consist of reapplying FI-Co via one of means above when turbidity levels are no longer met or the FI-Co is used up. Bricks, blocks, socks,logs and bags shall be maintained when sediment sediment accumulates on the products.

TREE PROTECTION

SOD MAINTENANCE AND INSTALLATION

SOD LAYOUT AND PREPARATION

DIRECTIONS FOR INITIAL MAINTENANCE

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD

Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD

Figure 6-6.2

Ds4

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS

TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES

AND DO NOT OVERLAP. A SHARPENED MASON'S
TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE

BUTTING: ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

AT A 2"-3" CUTTING HEIGHT.

- LEAVES (UP TO 1/2" THICK).

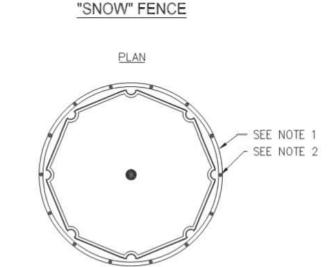
ROOT ZONE: SOIL AND ROOTS.

- SHOULD BE 1/2"-3/4" THICK WITH

DENSE ROOT MAT FOR STRENGTH.

THATCH: GRASS CLIPPINGS AND DEAD

ENDS AND TRIMMING PIECES.



CROSS-SECTION _____ 2" X 2" X 8' STAKE

MIN. 4'

INSTALL TREE PROTECTION FENCE PRIOR TO CONSTRUCTION. 2. SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER-REBAR IS NOT TO BE USED FOR STAKES).

3. MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT

REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS. 4. DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED 5. FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

Figure 6-38.1

(LIMIT OF CLEARING)

C 513



GSWCC (Amended - 2013)





GSWCC (Amended - 2013)

6-110

 $\frac{2}{C 513}$



To prevent surface and air movement of dust

This practice is applicable to areas subject to off-site damage may occur without treatment.

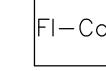
A. Temporary Methods Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins such as Curasol or Terratack should be

Disturbed Area Stabilization (With Temporary

C 513

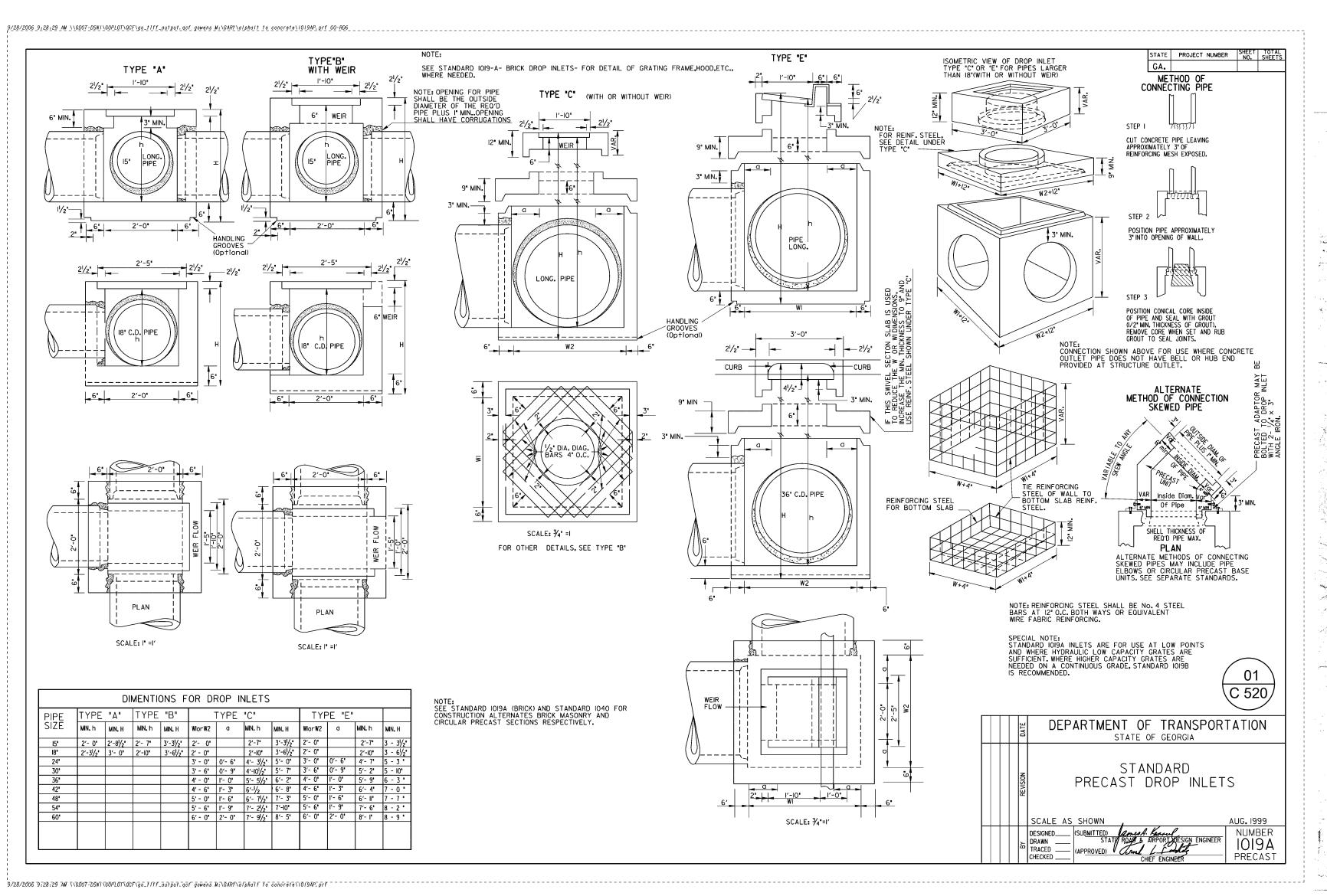
6-107

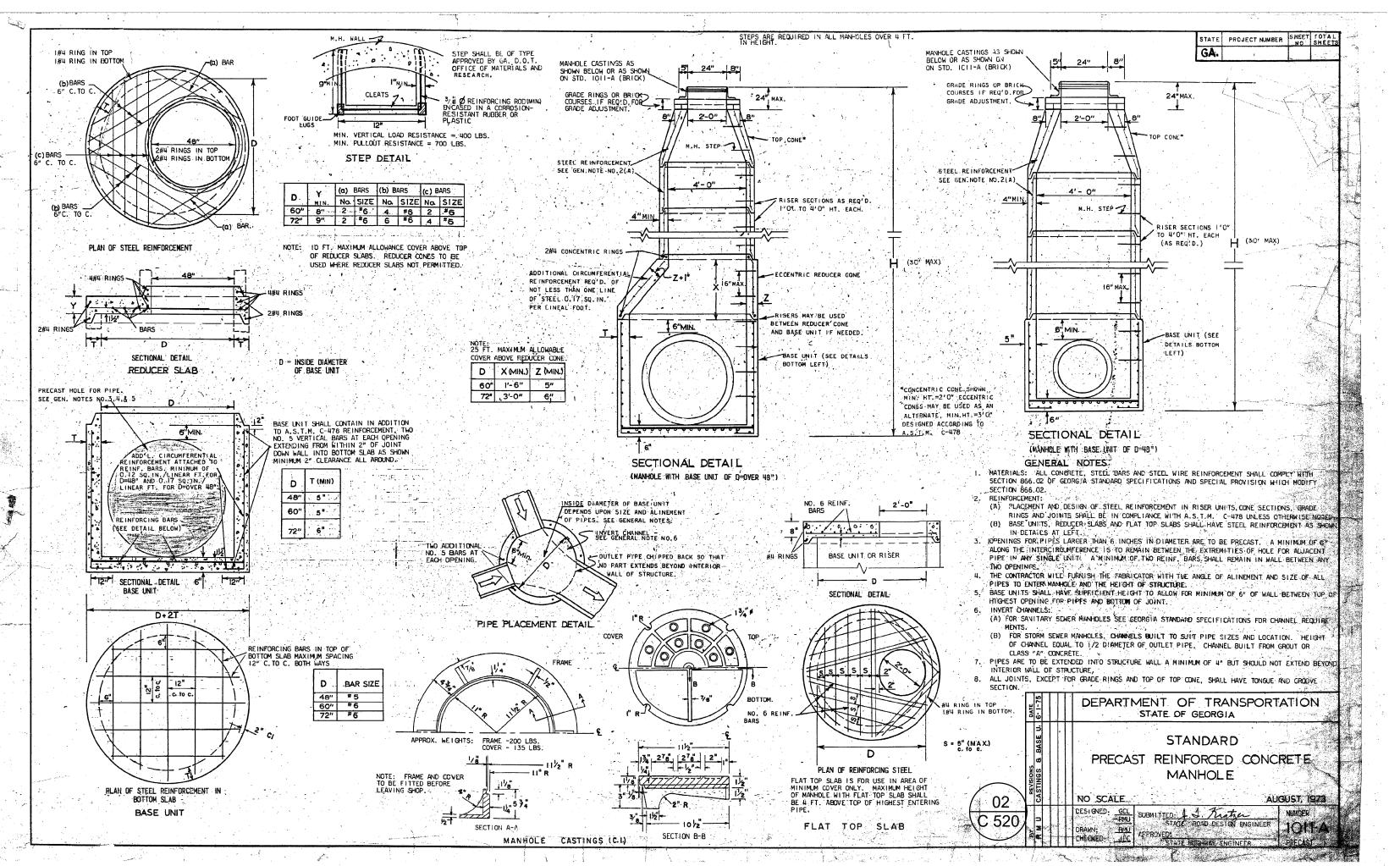


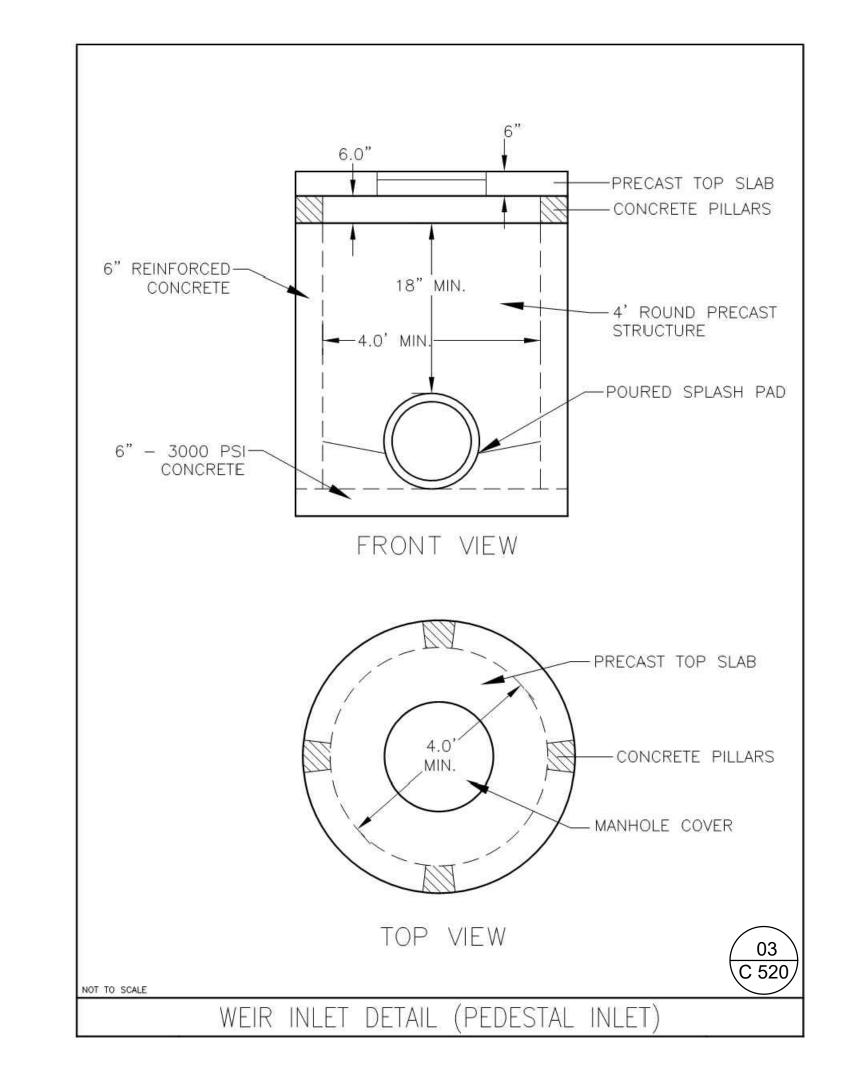


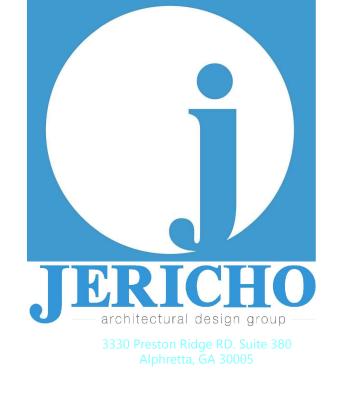
6-279

GSWCC (Amended - 2013)













LUMPKIN COUNTY SENIOR CENTER EXPANSION LUMPKIN COUNTY BOARD OF COMMISSIONERS

PRINT RECORD				
No.	DATE	DESCRIPTION		
	10/29/2018	PERMIT DOCUMENT		
	11/07/2018	PERMIT DOCUMENT		

Drawn By
CHC
AMH

Date
Job No.
10/29/2018
17001DG

Sheet Title

GA D.O.T. DETAILS

Sheet No.

C-520



CORNERSTONE SITE CONSULTANTS

C 0 S 00 MP PA

PRINT RECORD No. DATE DESCRIPTION 10/29/2018 PERMIT DOCUMENT 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By

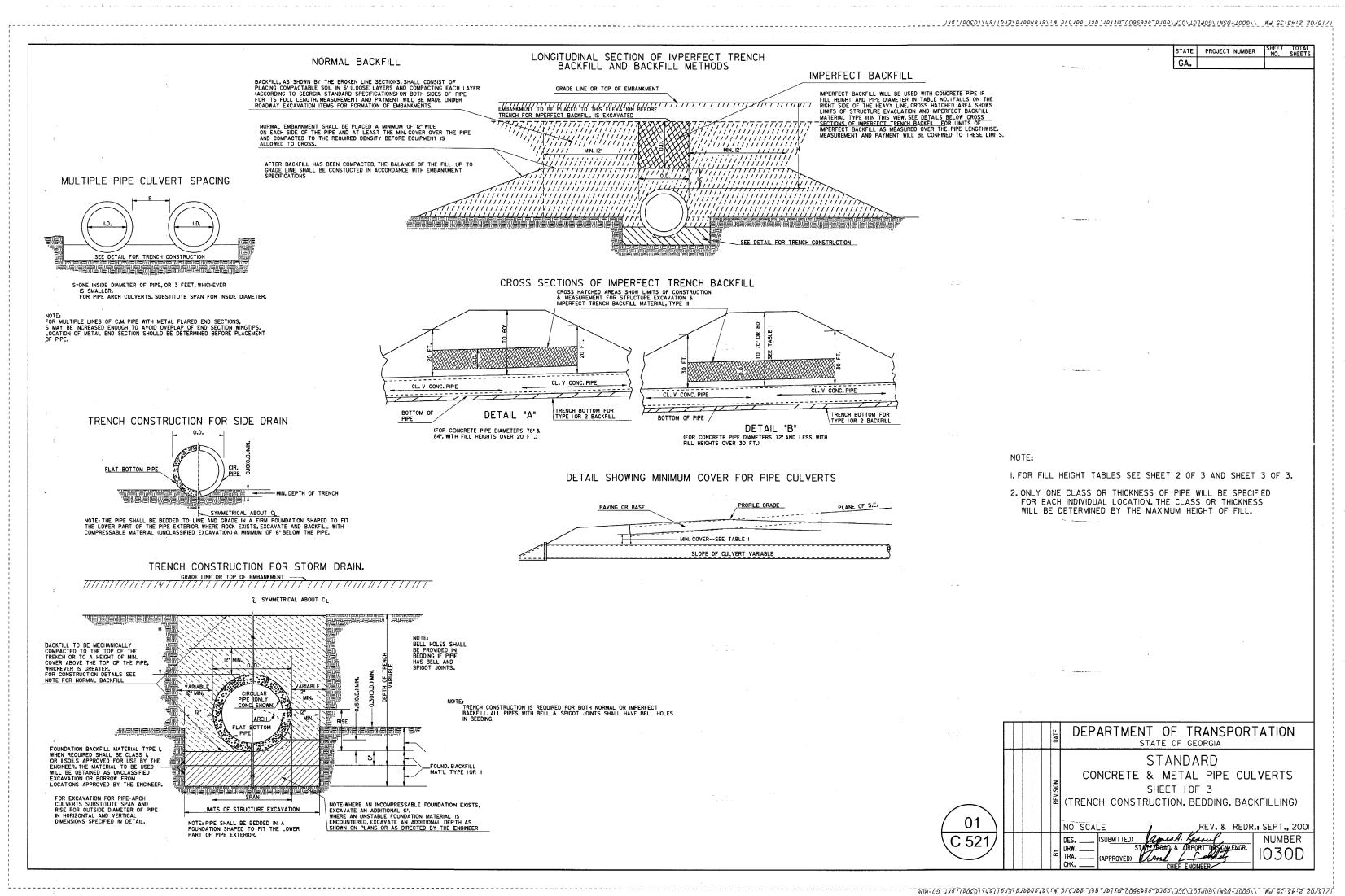
Date Job No. 10/29/2018 17001DG Sheet Title

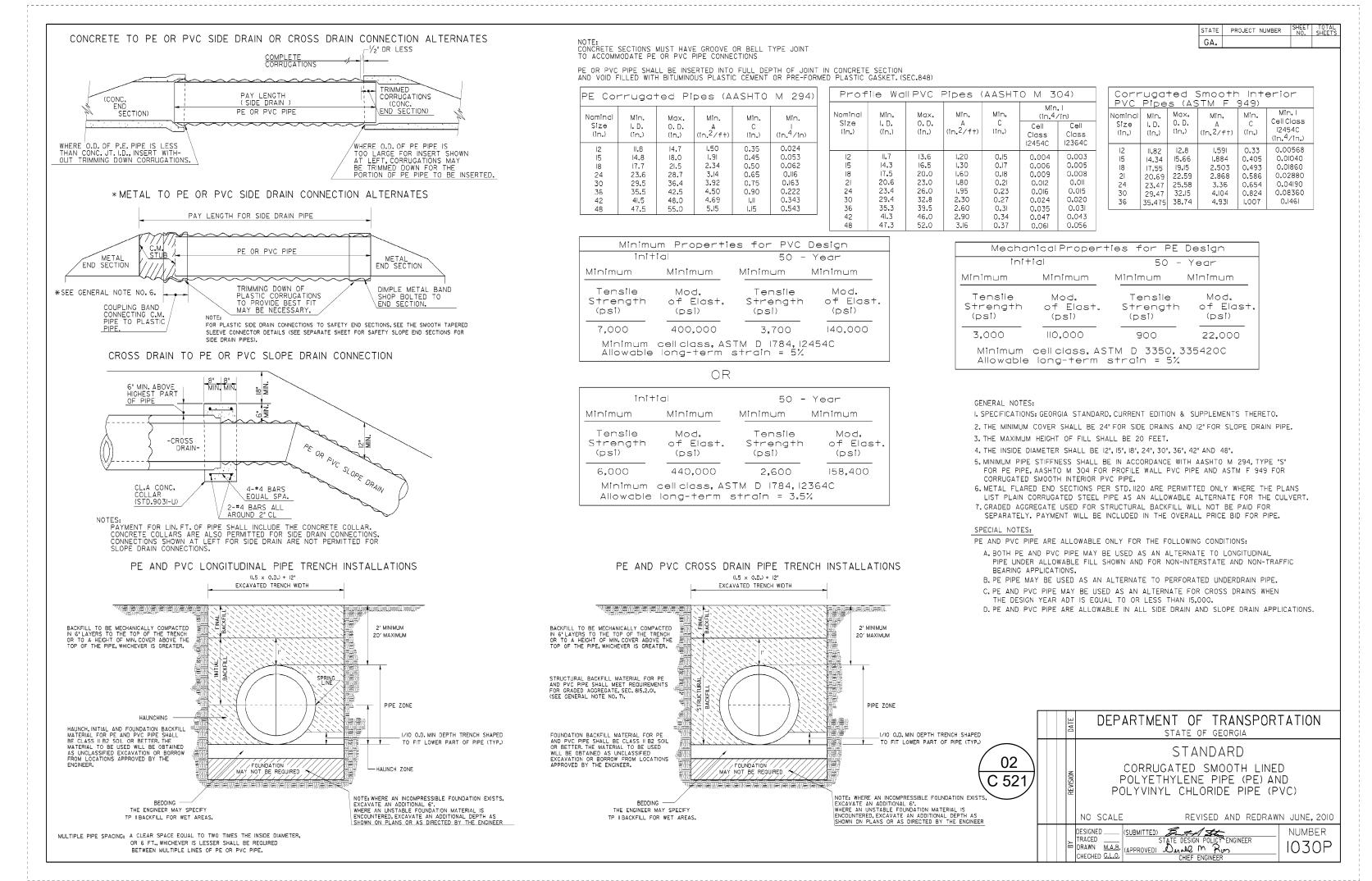
GA D.O.T. DETAILS

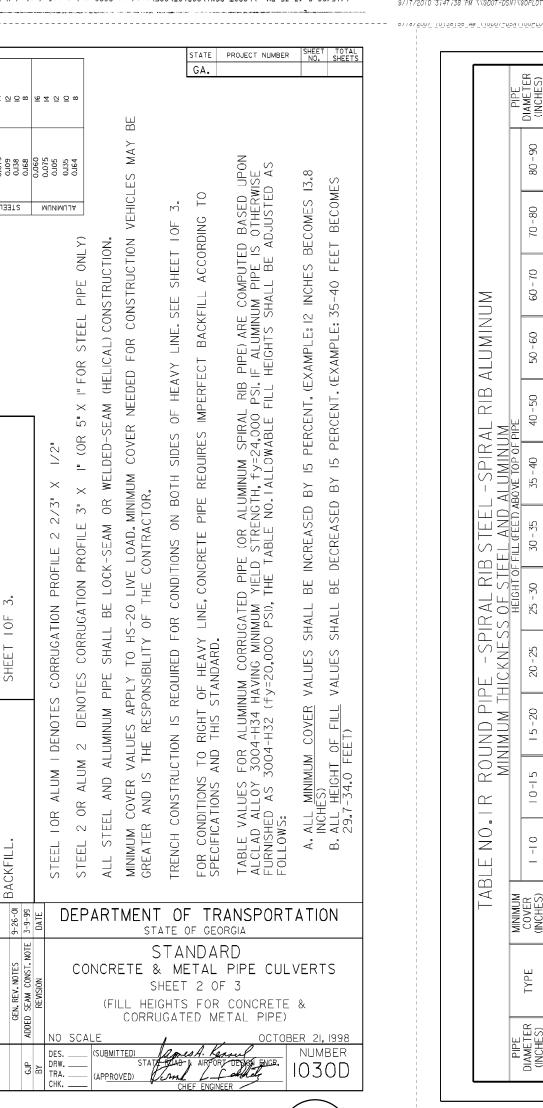
Sheet No.

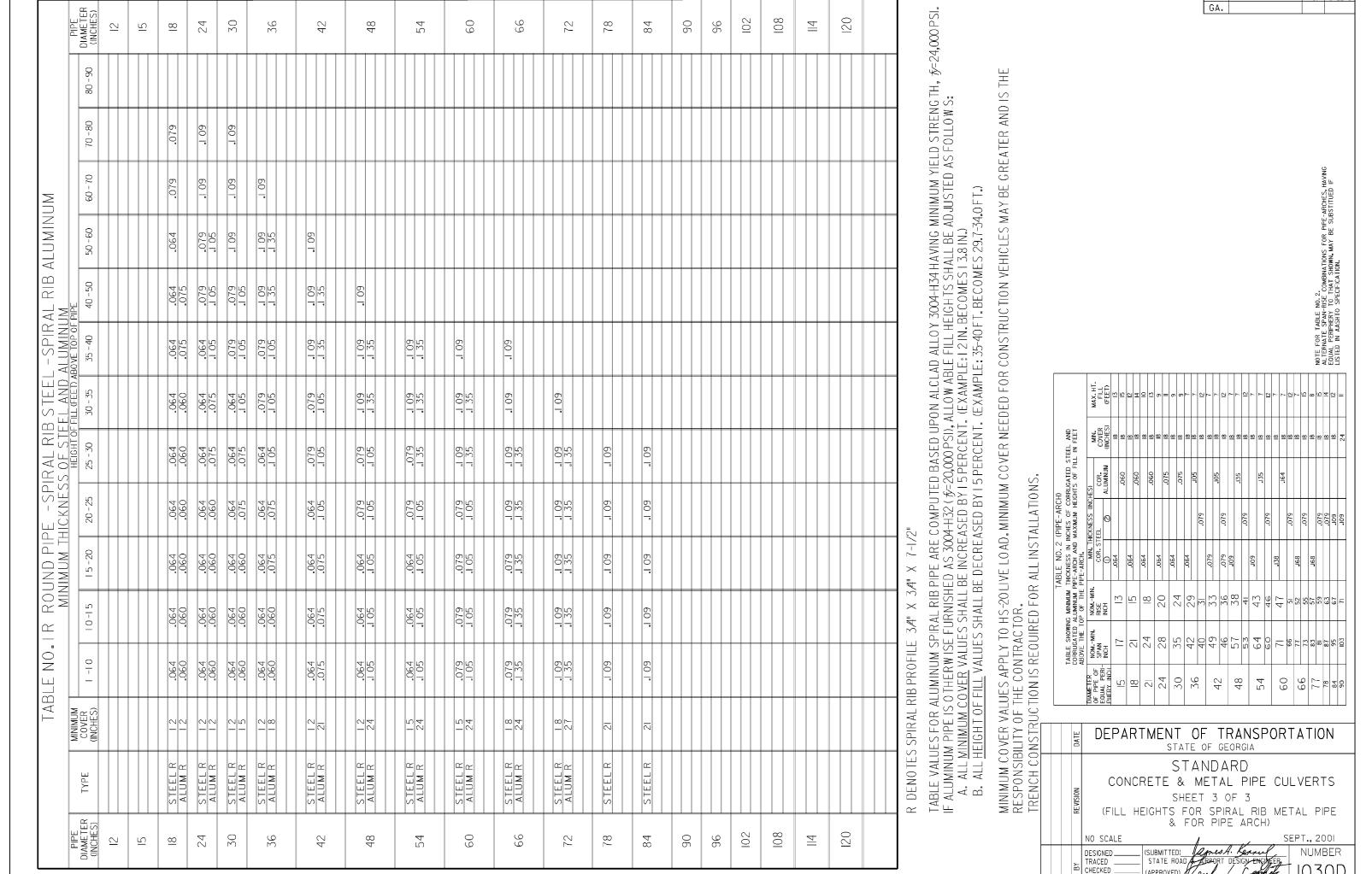
C-521

RELEASED FOR CONSTRUCTION









C 521

6718/2007 70:39:20 AM \\GDOT-DSN1\GOPEOT\DCF\go_f1Ff_outpuf.qof-gowens M:\GARY\1030d\page 2.prf 7

STEEL STEEL

9/17/2010 3:47:38 PM \\GDOT-DSN1\GOPLOT\QCF\GO_K1p8000.qcf gowens V:\GARY\Revised 1030P\1030P.prf GO-EST

04 C 521

<u>GENERAL</u>

- NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
- REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
- CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
- 5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
- 6. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
- CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- . CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.
- 10. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- 11. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
- 12. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
- 13. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
- 14. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.
- 16. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF CURTAIN WALL/WINDOW WALL SYSTEMS. COLD-FORMED METAL FRAMING. OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS 6 REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.

17. SUBMITTALS

- 17.1 SUBMITTALS BY THE CONTRACTOR ARE NOT A PART OF THE CONTRACT DOCUMENTS. PRIOR TO THE INITIAL SUBMITTAL, CONTRACTOR SHALL SUBMIT TO THE DESIGN PROFESSIONAL A SCHEDULE OF SUBMITTED INFORMATION.
- 17.2 SUBMITTALS SHALL BE ACCOMPANIED BY A TRANSMITTAL LETTER WITH THE FOLLOWING
- PROJECT NAME CONTRACTOR'S NAME

FOR REVIEW AND RESUBMITTAL

- DATE SUBMITTED DESCRIPTION OF ITEMS SUBMITTED. IDENTIFY WORK AND PRODUCT BY SPECIFICATION NUMBER OF DRAWINGS AND OTHER PERTINENT DATA.
- 17.3 CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION ON THE SUBMITTAL TO ANY DEVIATION FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL STAMP AND SIGN EACH SHEET OF SHOP DRAWINGS AND PRODUCT DATA, AND SIGN OR INITIAL EACH SAMPLE TO CERTIFY COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS. SUBMITTALS RECEIVED WITHOUT THE CONTRACTOR'S STAMP OF REVIEW WILL BE RETURNED TO THE CONTRACTOR
- 17.4 WORK REQUIRING SHOP DRAWINGS. WHETHER CALLED FOR BY THE CONTRACT DOCUMENTS OR REQUESTED BY THE CONTRACTOR. SHALL NOT COMMENCE UNTIL THE SUBMISSION HAS BEEN REVIEWED BY THE DESIGN PROFESSIONAL. WORK MAY COMMENCE IF THE CONTRACTOR VERIFIES THE ACCURACY OF THE DESIGN PROFESSIONAL'S CORRECTIONS AND NOTATIONS AND COMPLIES WITH THEM WITHOUT EXCEPTION AND WITHOUT REQUESTING CHANGE IN CONTRACT SUM OR CONTRACT TIME AT COPY OF THE MARKED STRUCTURAL SHOP DRAWINGS WITH THE DESIGN ROFESSIONAL'S REVIEW STAMP IS TO BE MAINTAINED AT THE JOB SITE.

CODE/DESIGN CRITERIA

- 1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
- INTERNATIONAL BUILDING CODE, 2012 EDITION WITH GEORGIA AMENDMENTS. 2. GRAVITY LOADS
- 2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
- STORAGE 125 PSF 2.2 UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
- - GROUND SNOW LOAD, Pg 10 PSF
- PONDING AND DRIFT EFFECTS HAVE BEEN INCLUDED IN THE DESIGN 2.3 DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT)

MISCELLANEOUS CEILING/MEP

MISCELLANEOUS

RISK CATEGORY: II

- 10 PSF ROOFING INSULATION 5 PSF
- CEILING/MEP WIND LOADS:
 - ULTIMATE DESIGN WIND SPEED, V_{ULT} = 115 MPH NOMINAL DESIGN WIND SPEED, V_{ASD} = 90 MPH
 - EXPOSURE C INTERNAL PRESSURE COEFFICIENT = -/+0.18

SEE COMPONENT AND CLADDING DESIGN WIND PRESSURE DIAGRAM ON S-0.02 4. EARTHQUAKE LOADS:

- SEISMIC IMPORTANCE FACTOR: I = 1.0 SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_S = 0.251 1 SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S1 = 0.102
- SITE CLASS D SHORT PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, SDs = 0.268 1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, SD1 = 0.163

5 PSF

- SEISMIC DESIGN CATEGORY: C BASIC SEISMIC-FORCE RESISTING SYSTEM: ORDINARY REINFORCED CONCRETE AND
- MASONRY SHEAR WALLS AND LIGHT-FRAMED WOOD SHEAR WALLS DESIGN BASE SHEAR: 51 KIPS SEISMIC RESPONSE COEFFICIENT, Cs = 0.134
- RESPONSE MODIFICATION FACTOR, R = 2 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:

ROOF MEMBERS: FLOOR MEMBERS: L/360

EAD LOAD <u>LIVE LOAD</u> DEAD + LIVE LOAD L/360

- WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFECTION WILL BE THE SUM OF THE DEFLECTIONS OF THE SUPPORTED ELEMENTS IN A BAY.
- THE CALCULATED DEFLECTION FOR INDIVIDUAL MEMBERS SUPPORTING MASONRY DO NOT. EXCEED L/600 FOR DESIGN LOADS APPLIED AFTER THE INSTALLATION OF THE MASONRY.

6. SPECIAL INSPECTIONS

- 6.1 THE STRUCTURAL TESTING/INSPECTION AGENCY, SEE SPECIFICATION SECTION 014525, WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE. MATERIALS AND WORK TO BE INSPECTED INCLUDE STEEL, CONCRETE, AND MASONRY CONSTRUCTION. SEE SPECIFICATION SECTION 014525 FOR A COMPLETE LIST OF WORK REQUIRING SPECIAL INSPECTIONS.
- 6.2 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE ARE REQUIRED FOR STRUCTURAL COMPONENTS AND ASSEMBLIES WHICH ARE NOT FABRICATED AT THE CONSTRUCTION JOB SITE INCLUDING BUT NOT LIMITED TO STEEL FLOOR JOISTS, WOOD ROOF TRUSSES, STRUCTURAL STEEL FRAMING, AND MASONRY.
- 6.3 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND BY PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH STATES THAT THE FABRICATION

WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

- 6.4 THE PROJECT OWNER WILL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE DURING CONSTRUCTION OF THE PROJECT. DOCUMENTATION THAT SUMMARIZES THE QUALIFICATION AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE FOR REVIEW AND APPROVAL
- 6.5 APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE AND TO THE DESIGN PROFESSIONAL WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PERFORMED INCLUDING CORRECTION OF ANY DISCREPANCIES IDENTIFIED DURING INSPECTION SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY CHIEF COMMERCIAL BUILDING INSPECTOR PRIOR TO CONSTRUCTION.
- 7. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

FOUNDATION

- FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY NOVA, REPORT NUMBER 002-20186185, DATED AUGUST 7, 2018. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
- ALL FOUNDATIONS SHALL BE INSTALLED UNDER THE GUIDANCE OF A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER IN THE PROJECT STATE. THE GEOTECHNICAL ENGINEER SHALL GIVE CONSIDERATION TO THE TYPE OF BUILDING AND FOUNDATION LOADS INVOLVED AS WELL AS THE REQUIREMENTS OF THESE DOCUMENTS. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
- 3. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 2000 PSF.
- 4.1 NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.
- 15. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING 5. FOUNDATION WALLS ARE DESIGNED FOR LATERAL PRESSURES DUE TO THE FOLLOWING EQUIVALENT
 - WALLS SUPPORTED AT TOP (AT-REST CONDITION):
 - WALLS FREE TO DISPLACE AT TOP (ACTIVE CONDITION): 40 PCF
 - BACKFILL PLACED AGAINST EXTERIOR OR RETAINING WALLS SHALL NOT EXCEED 120 PCF WEIGHT PROOF ROLL BUILDING AREAS WITH TWO COMPLETE COVERAGES OF A LOADED DUMP-TRUCK OR SCRAPER. REPLACE SOFT AREAS WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.
 - UNDERCUT APPROXIMATELY TWO-THIRDS OF THE BUILDING AREA BY 5 FEET, INCLUDING AN AREA EXTENDING 10 FEET OUTSIDE THE BUILDING FOOTPRINT. AND REPLACE WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS. AREA OF EXCAVATION SHOULD BE FIVE FEET FROM THE EXISTING BUILDING TO PROTECT FROM UNDERMINING OR DISTURBING THE EXISTING
 - 9. STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 10'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. THE TOP 12" SUB-BASE UNDER SLABS ON GRADE SHALL BE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL BACKFILL, COMPACTION AND PROOF ROLLING OPERATIONS SHALL BE OBSERVED BY AN INDEPENDENT TESTING LABORATORY. STRUCTURAL FILL SOIL DENSITY
 - 10. SLABS-ON-GRADE SHALL BE PLACED ON A 6" GRANULAR BASE, COMPACTED TO 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698, AND COVERED WITH A 10 MIL CONTINUOUSLY SEALED VAPOR BARRIER. THE BASE FOR SLABS-ON-GRADE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO EACH PLACEMENT OF CONCRETE.
 - 11. BACKFILL SHALL NOT BE PLACED AGAINST EXTERIOR OR RETAINING WALLS UNTIL THE WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND THEIR LATERAL SUPPORT ELEMENTS ARE INSTALLED. PROVIDE ADEQUATE DRAINAGE AT BASEMENT AND RETAINING WALLS (SEE ARCHITECTURAL).
 - 12. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE
 - 13. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 24" BELOW

FINISHED GRADE.

DETAILS IS NOT ACCEPTABLE.

- 1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- 3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND
- 4. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
- . PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
- 6. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

6.1 CONCRETE REINFORCEMENT COVER

- EXPOSED TO EARTH OR WEATHER: 3" CLEAR UNFORMED CAST AGAINST EARTH 2" CLEAR 1-1/2" CLEAR
- FORMED #6 AND LARGER FORMED #5 AND SMALLER
- NOT EXPOSED TO EARTH OR WEATHER: WALLS
- SLABS 3/4" CLEAR
- 6.2 MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF THE WALL UNLESS NOTED

7. REINFORCING STEEL DESIGNATED CONTINUOUS SHALL BE LAPPED AS FOLLOWS:

- CONCRETE REINFORCEMENT: CLASS B TENSION LAP • MASONRY REINFORCEMENT: 48 BAR DIAMETERS
- 8. ADHESIVE FOR REINFORCING DOWELS IN EXISTING CONCRETE SHALL CONFORM TO ASTM C881-02. TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTEED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. REINFORCING INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED
- 9. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.
- 10. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS.

CAST-IN-PLACE CONCRETE

- 1. CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.
- 2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH: 2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:
 - FOOTINGS 3000 PSI SLABS ON COMPOSITE DECK 3500 PSI SLABS-ON-GRADE 4000 PSI FOUNDATION WALLS
- 3. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS INCLUDING CROSSING UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS. ALL PIPES AND DUCTS SHALL BE PLACED IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE IN THE STRUCTURAL DOCUMENTS, SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC.

. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS

- REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL. NO
- HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL

4500 PSI

CONCRETE MASONRY

- 1. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE F'M = 1500 PSI.
- 2. MORTAR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND SHALL BE OF THE FOLLOWING TYPE:
- TYPE M WALLS BELOW GRADE
- TYPE M OR S BEARING WALLS CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2500 PSI COARSE GROUT AS SHOWN IN THE 8. STRUCTURAL DOCUMENTS. GROUT FOR REINFORCED AND NONREINFORCED MASONRY SHALL
- CONFORM TO ASTM C476. ITEMS WHICH ARE PRODUCED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED 4. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRES AT 16" C/C VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS,
 - INTERSECTIONS, ETC. PROVIDE CONTROL JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE
 - DESIGN PROFESSIONAL AT A MAXIMUM SPACING OF 3 TIMES THE WALL HEIGHT OR 40'-0", WHICHEVER
 - 6. PROVIDE DOVETAIL ANCHORS AT 16" C/C, UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES.
 - 7. SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY CONSTRUCTION. 8. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5@32" C/C, UNLESS NOTED OTHERWISE.
 - 9. SUBMIT SHOP DRAWINGS FOR MASONRY REINFORCEMENT IN ACCORDANCE WITH SPECIFICATION SECTION 032000.

- 1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE C. STRUCTURAL CHANNELS, MISCELLANEOUS PLATES AND CONNECTION MATERIAL SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.

2. BOLTS AND ANCHORS:

- 2.1 BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE) WITH MINIMUM 3/4" DIAMETER A325 BOLTS. SUBMIT PROPOSED BOLT TIGHTENING PROCEDURE FOR REVIEW.
- 2.2 ANCHOR BOLTS SHALL BE HEADED BOLTS CONFORMING TO ASTM F1554 AND SHALL BE HEADED RODS OR THREADED RODS WITH HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, GRADE A36, UNLESS NOTED OTHERWISE.
- 2.3 EXPANSION ANCHORS SHALL HAVE BEEN EVALUATED BY THE ICC EVALUATION SERVICES, INC (ICC-ES) WITH A PUBLISHED EVALUATION REPORT. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 193 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. ALL ANCHORS SHALL BE APPROVED FOR RESISTING WIND AND SEISMIC LOADS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
- 2.4 ADHESIVE ANCHORS SHALL CONSIST OF AN ALL-THREAD STEEL ANCHOR WITH ADHESIVE CONFORMING TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTEED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. ANCHORS INSTALLED IN CONCRÉTE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL FLEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION VALUES SHOWN ON THE STRUCTURAL DRAWINGS. FOR STEEL MEMBERS WHOSE REACTIONS ARE NOT SHOWN, THE DESIGN REACTION SHALL BE OBTAINED FROM THE TABLES ENTITLED "MAXIMUM TOTAL UNIFORM LOAD" IN PART 3 OF THE AISC "MANUAL OF STEEL CONSTRUCTION". FOURTEENTH (14^{TH}) EDITION. THE DESIGN REACTION IS EQUAL TO HALF THE TABULATED VALUE FOR NONCOMPOSITE BEAMS AND EQUAL TO THE TABULATED VALUE FOR COMPOSITE BEAMS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL. DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR. THIS DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. SHOP DRAWINGS AND CALCULATIONS FOR SUCH CONNECTIONS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. FOR CONNECTION DETAILS DEPICTING ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT COMPLETE DETAILS, THE CONNECTION DESIGN ENGINEER SHALL FOLLOW THAT ARRANGEMENT CONCEPT IN THE DESIGN. SINGLE ANGLE CONNECTIONS ARE NOT ACCEPTABLE
- 5. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR

8. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED

- 2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 AND HAVE MINIMUM SIDE AND END LAPS OF 8". 1. STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE DESIGNED, FABRICATED, AND ERECTED
 - ACCORDING TO THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI). 2. BRIDGING SHALL BE DESIGNED TO FULLY BRACE TOP CHORD OF JOISTS UNDER SERVICE LOADS FOR
 - ROOF JOISTS NOT BRACED BY STEEL ROOF DECK. 3. DESIGN OF STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALI NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE STEEL JOISTS, BRIDGING AND THEIR CONNECTIONS.
 - 4. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION AND ERECTION OF WALLS, BEAM FRAMING. METAL DECKING, ETC. TO ENSURE COMPATIBILITY OF ROOF AND WALL SYSTEMS CONSIDERING PITCH

AND CAMBER OF STEEL JOISTS.

1. DECK DESIGN IS BASED ON THE STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS,

- FORM DECKS AND ROOF DECKS.
- 2. PROVIDE FORM DECK WITH THE FOLLOWING MINIMUM PROPERTIES: 9/16 INCH 24 GAGE THICKNESS
- 0.057 IN3/FT SECTION MODULUS 0.019 IN4/FT MOMENT OF INERTIA 60,000 PSI YIELD STRESS
- 3. DECK IS SPECIFIED BASED ON A THREE SPAN CONDITION. FURNISH HEAVIER GAGE DECK IF REQUIRED FOR ONE OR TWO SPAN CONDITIONS.

4. FASTEN FLOOR DECK TO RESIST A DIAPHRAGM SHEAR FORCE OF 400 POUNDS PER LINEAR FOOT

- WOOD FRAMING SHALL BE SOUTHERN PINE, NO. 2 K.D. (15% MAX. MOISTURE CONTENT) OR
- EQUIVALENT. MINIMUM ALLOWABLE BENDING STRESS SHALL BE PER 2012 NDS. 2. PARALLAM PARALLEL STRAND LUMBER (PSL) SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 2,900 PSI AND A MODULUS OF ELASTICITY OF 2,000,000 PSI.
- 3. WOOD TRUSSES SHALL BE CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS AS GIVEN IN THE
- CONTRACT DOCUMENTS. 4. DESIGN OF WOOD TRUSSES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, AND SUPPORT REACTIONS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO TRUSS CONFIGURATION, AND THE CONTRACTOR'S INTERPRETATION OF DESIGN LOADS AND DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN OF THE TRUSSES OR TRUSS CONNECTIONS NOT SPECIFICALLY
- DETAILED IN THE CONTRACT DOCUMENTS. 4.1 ALL HARDWARE REQUIRED FOR CONNECTIONS BETWEEN PRE-ENGINEERED TRUSSES SHALL BE DESIGNED BY AND SPECIFIED BY THE TRUSS DESIGN ENGINEER.
- 4.2 ALL PRE-ENGINEERED METAL PLATE CONNECTED WOOD TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TRUSS PLATE INSTITUTE'S "HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HIB-91" AND "BUILDING COMPONENT SAFETY INFORMATION
- PROJECT DESIGN PROFESSIONAL OF RECORD. 4.4 TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION AND THE DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES PUBLISHED BY THE TRUSS JOIST INSTITUTE, LATEST EDITION FOR THE FOLLOWING LOADS, CONNECTIONS BETWEEN TRUSSES SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS

ENGINEER. TRUSSES SHALL HAVE A MINIMUM NOMINAL BEARING LENGTH OF 4 INCHES (3 1/2" ACTUAL) CONCENTRATED MECHANICAL/ELECTRICAL LOADS: SEE PLANS BOTTOM CHORD OF

4.3 ALL PRE-ENGINEERED TRUSS SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING THE

TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THEY HAVE BEEN REVIEWED BY THE

4.5 TRUSS LOADING (IN ADDITION TO SELF WEIGHT). SEE TRUSS DIAGRAMS FOR ADDITIONAL INFORMATION.

TOP CHORD: BOTTOM CHORD: 10 PSF

BOOKLET, BCSA 1-03" AND RELATED SHEETS.

TRUSSED SHALL BE A MINIMUM OF 2"x6" NOMINAL LUMBER.

- 5. ERECTION AND TEMPORARY BRACING OF PREFABRICATED WOOD TRUSSES SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE TRUSS MANUFACTURER AND THE TRUSS
- CONNECTIONS FOR STRUCTURAL TIMBER SHALL BE GALVANIZED STRONG-TIE CONNECTORS BY THE SIMPSON COMPANY OR APPROVED EQUAL.
- 7. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-
- TREATED SOUTHERN PINE. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD. PROVIDE DOUBLE TOP PLATE LAPPED AT CORNERS AND AT SPLICES (4' SPLICE). SUPPORT ENDS OF

PLATE INSTITUTE'S "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS".

- LAPS DIRECTLY OVER A VERTICAL LOAD BEARING STUD. 9. ROOF AND WALL SHEATHING SHALL BE PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION (APA). THE MINIMUM THICKNESSES WHICH FOLLOW SHALL BE
- INCREASED AS REQUIRED TO SATISFY ARCHITECTURAL REQUIREMENTS. 9.1 PLYWOOD DIAPHRAGMS SHALL BE EITHER STRUCTURAL I OR II SOUTHERN PINE PLYWOOD WITH THICKNESS AS NOTED IN THE STRUCTURAL DOCUMENTS. PLYWOOD SHALL CONFORM TO THE
- 9.2 ROOF SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE 1, 48"x96", 3/4" 32/16 PLYWOOD. SHEATHING SHALL BE TONGUE AND GROOVE OR BE INSTALLED WITH PANEL CLIPS IN ACCORDANCE WITH APA RECOMMENDATIONS. WHERE ALLOWABLE SPANS ARE EXCEEDED AT ROOF SLOPE TRANSITIONS, PROVIDE SPECIALLY DESIGNED SUPPLEMENTAL MEMBERS AS REQUIRED. SHEATHING SHALL BE INSTALLED WITH THE LONG EDGE ACROSS A MINIMUM OF THREE SUPPORTING MEMBERS. SUPPORT AND STAGGER EDGES OF SHEATHING PARALLEL TO SUPPORTING MEMBER. PROVIDE CONTINUOUS BLOCKING AT PERIMETER OF EACH DIAPHRAGM PLANE (INCLUDING ROOF SLOPE TRANSITIONS) AND AROUND OPENINGS. FASTEN SHEATHING WITH 8d NAILS AT 6" OC AT SUPPORTED EDGES UNO AND AT 12" OC AT INTERMEDIATE SUPPORTS. AN 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS. PROTECT EDGES AGAINST EXPOSURE TO WEATHER OR USE EXTERIOR GRADE SHEATHING. COVER SHEATHING AS SOON AS POSSIBLE WITH ROOFING FELT OR SHINGLE UNDERLAYMENT FOR PROTECTION AGAINST EXCESSIVE MOISTURE PRIOR TO ROOFING INSTALLATION.
- 9.3 WALL SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE 1, 48"x96", 5/8" 32/16 PLYWOOD SHEATHING WITH CONTINUOUSLY SUPPORTED EDGES. AN 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS. PROVIDE ONE LAYER ON ONE SIDE OF WALL UNLESS INDICATED ON PLAN TO PROVIDE ONE LAYER ON EACH SIDE OF WALL.
- 9.4 FASTEN SHEATHING WITH 8d NAILS @ 6" OC AT PANEL EDGES AND @ 12" OC AT INTERMEDIATE SUPPORTS. SEE SCHEDULE FOR SHEAR WALL SHEATHING FASTENERS.

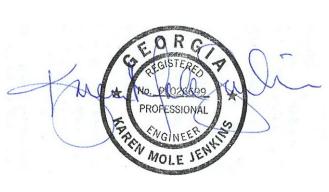
BUILDING CODE, 2012 EDITION, UNLESS OTHERWISE SPECIFIED IN THE CONSTRUCTION DOCUMENTS.

10. FASTENING SCHEDULE SHALL BE IN ACCORDANCE WITH TABLE 2304.9.1 IN THE INTERNATIONAL

11. PROVIDE WOOD BLOCKING AT 4'-0" O.C. AT WALL STUDS.

REQUIREMENTS OF THE BUILDING CODE.





Alphretta, GA 30005

PRINT RECORD DESCRIPTION No. DATE 11/07/2018 PERMIT DOCUMENT

Drawn By

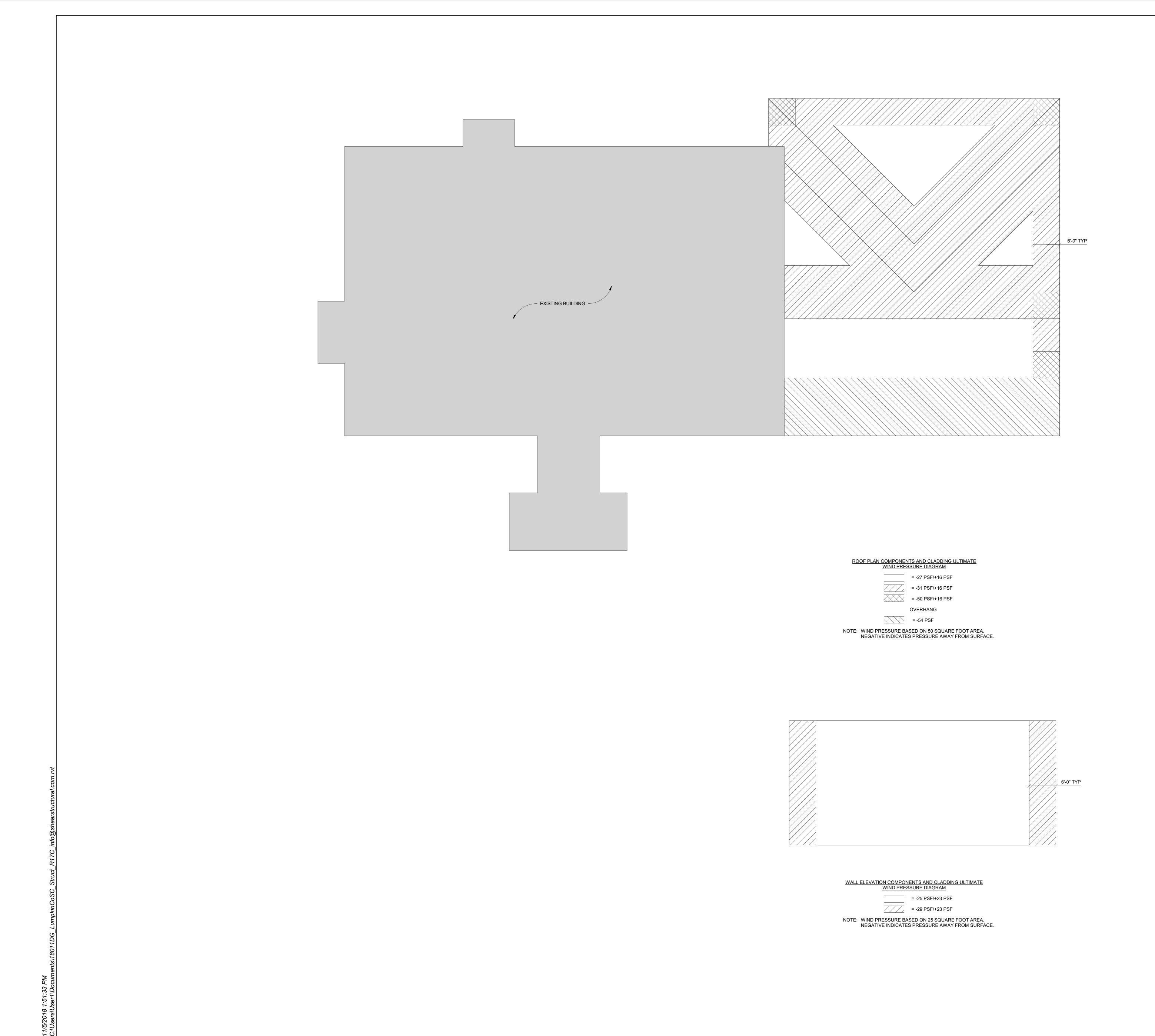
Sheet Title

Job No. 18011DG

Checked By

GENERAL NOTES

Sheet No.







SHEAR

Y SENIOR CENTER

EXPANSION
266 MECHANICSVILLE

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

Drawn By
BCR

Checked By
KMJ

Date
Job No.
11/07/2018

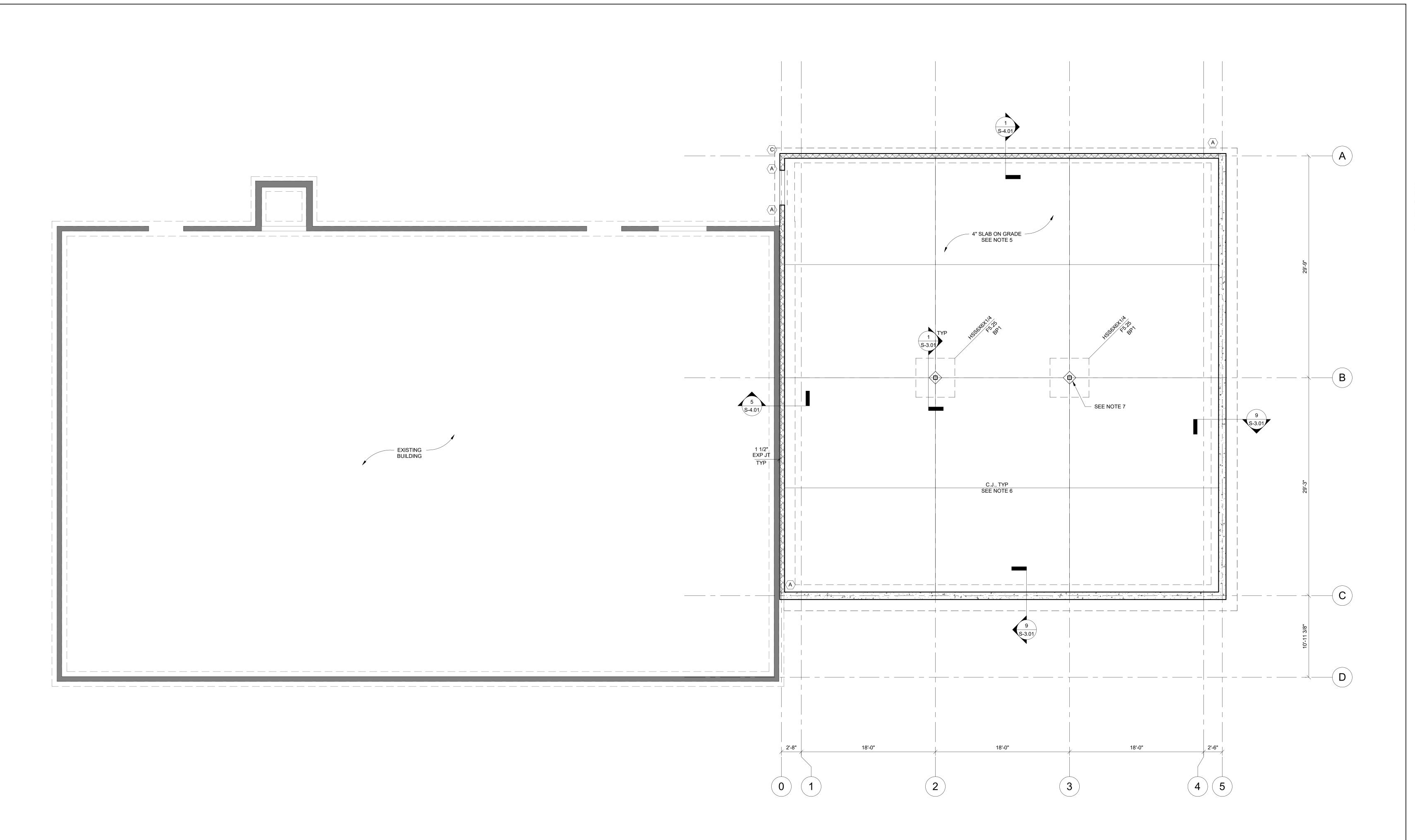
18011DG

Sheet Title

COMPONENTS & CLADDING

Sheet No.

S-0.02



NOTES:

1. SEE S-0.01 FOR STRUCTURAL GENERAL NOTES.

2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.

3. FX INDICATES COLUMN FOOTING. SEE 6/S-3.01. T/FTG = -13'-4" UNO.

4. BPx INDICATES COLUMN BASE PLATE. SEE 1/S-5.01. 5. PROVIDE 4" SLAB ON GRADE REINFORCED WITH WWF 6x6 W2.1xW2.1 ON VAPOR BARRIER AND 6" GRANULAR BASE. T/SLAB = -12'-0" UNO.
6. C.J. INDICATES SLAB CONTROL JOINT. SEE 4/S-3.01 AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
7. PROVIDE ISOLATION JOINTS AT STEEL COLUMNS, SEE 12/S-3.01.

8. PROVIDE REINFORCEMENT AT RE-ENTRANT CORNERS, SEE 8/S-3.01.
9. INDICATES 8" LOAD BEARING CMU WALL REINFORCED W/ #5@32" O.C. SEE DETAILS 4, 7, & 11/S-4.01.
10. INDICATES ADDITIONAL CMU WALL REINFORCEMENT. SEE 3/S-4.01.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES. SEE 17/S-3.01.

3330 Preston Ridge RD. Suite 380 Alphretta, GA 30005



PRINT RECORD No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

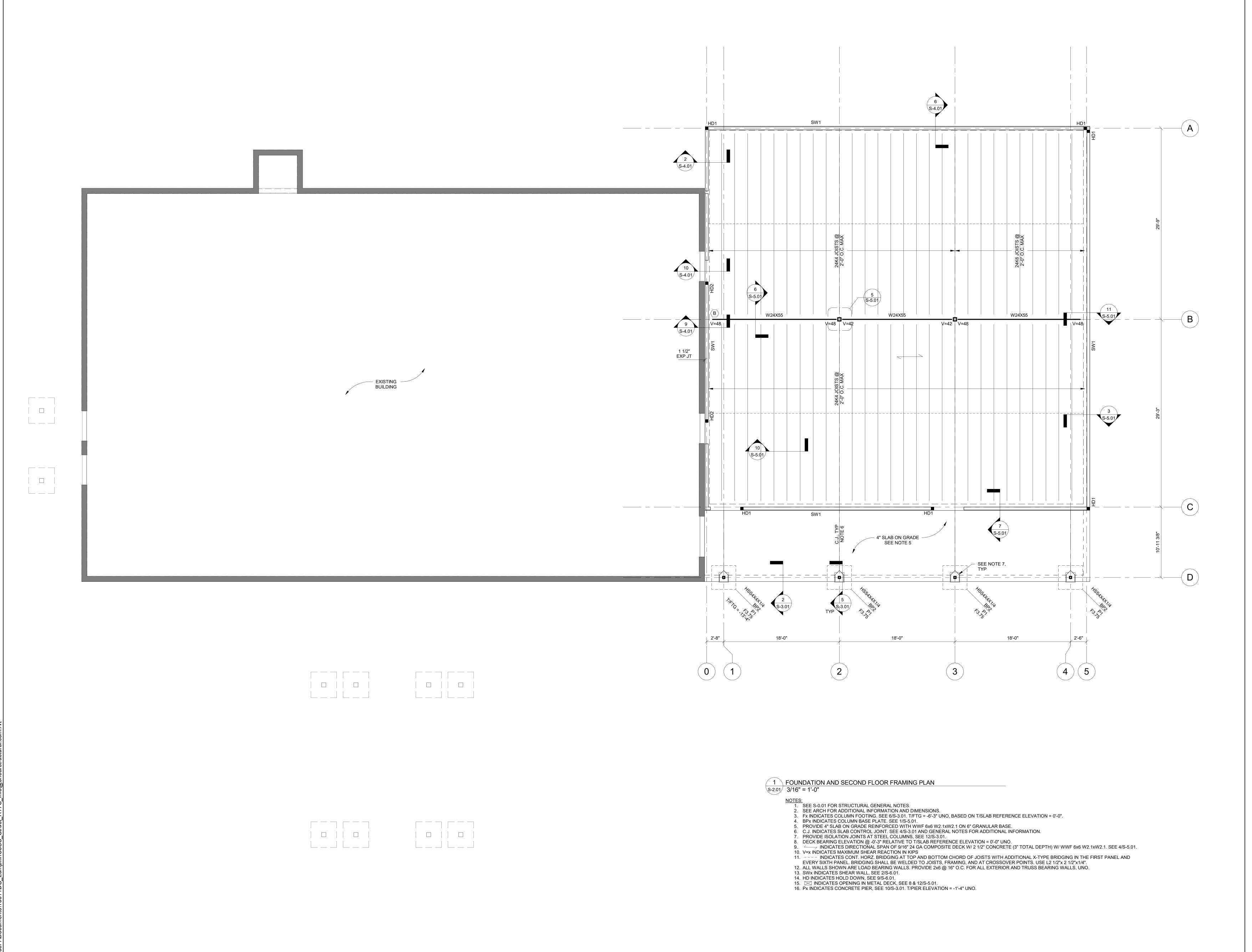
Drawn By Checked By Job No. 11/07/2018 18011DG

Sheet Title

FOUNDATION PLAN

Sheet No.

S-1.01







PRINT RECORD

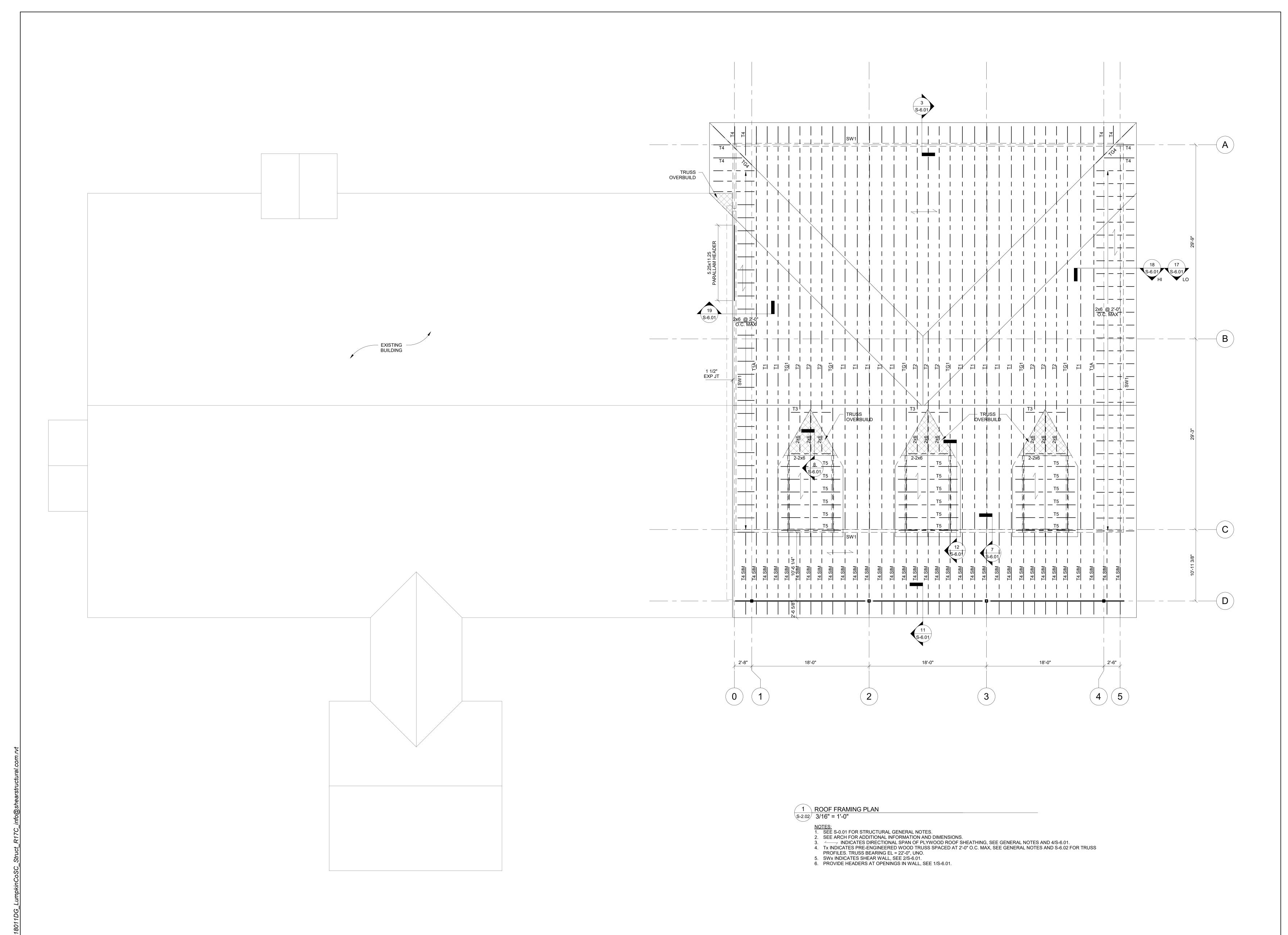
No. DATE DESCRIPTION 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By Job No.

11/07/2018 18011DG Sheet Title

FOUNDATION AND SECOND FLOOR FRAMING PLAN

Sheet No.







SHEAR

R CENTER

ANSION AECHANICSVILLE RD. ONEGA, GA 30533

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

Drawn By
BCR

Checked By
KMJ

Date
Job No.
11/07/2018

18011DG

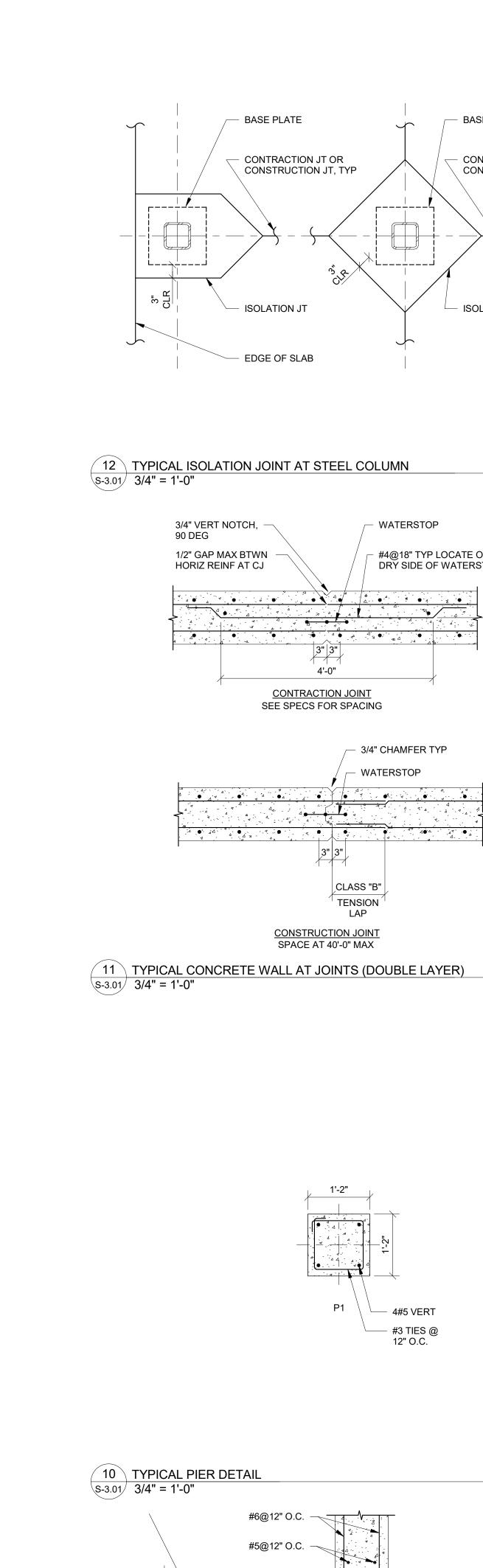
11/07/2018

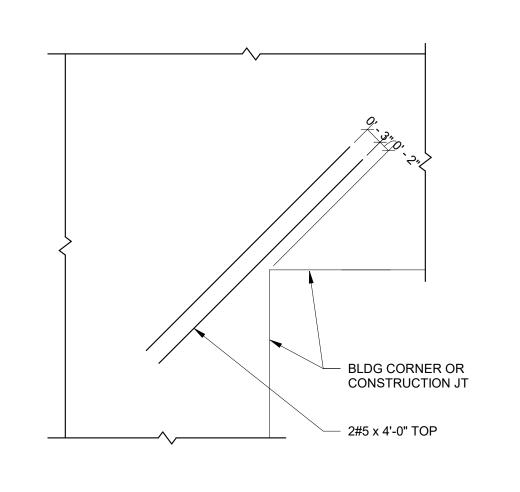
Sheet Title

ROOF FRAMING PLAN

Sheet No.

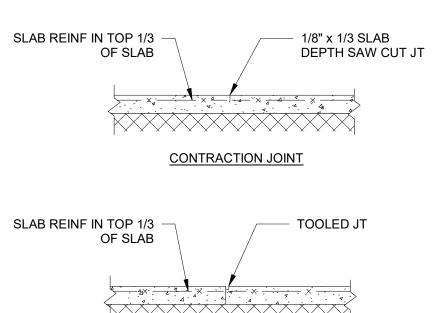
S-2.02

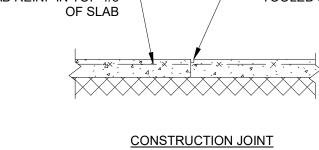




8 TYPICAL REINFORCEMENT AT SLAB RE-ENTRANT CORNER

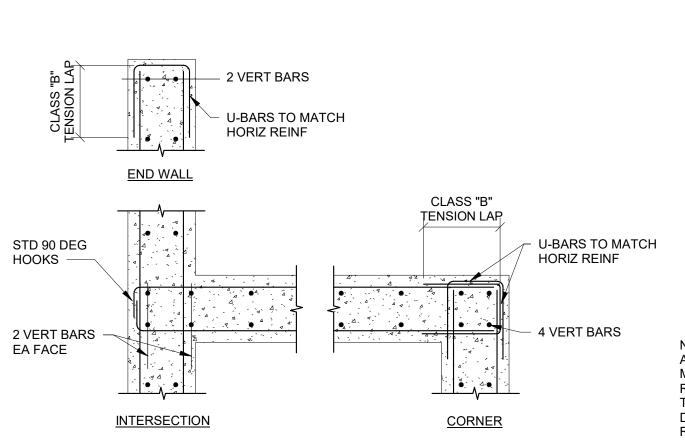
s-3.01 3/4" = 1'-0"

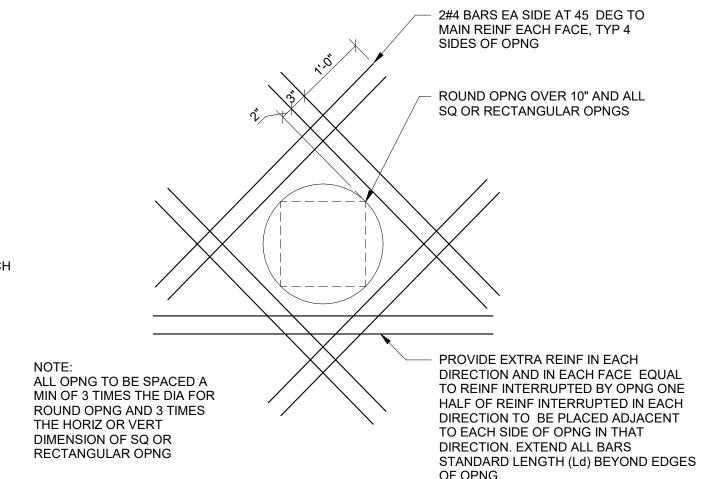




NOTE: SAW CUT OR DISCONTINUE REINF AT CONTRACTION JT.

4 TYPICAL GRADE SUPPORTED SLAB AT JOINTS s-3.01 3/4" = 1'-0"



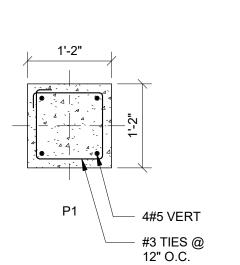


TYPICAL REINFORCING AT CONCRETE WALL AT INTERSECTIONS

(DOUBLE LAYER)

S-3.01 3/4" = 1'-0"

3 TYPICAL CONCRETE WALL AT OPENING (AREA <= 8 SF) S-3.01 3/4" = 1'-0"



- BASE PLATE

- ISOLATION JT

WATERSTOP

3/4" CHAMFER TYP

WATERSTOP

TENSION LAP

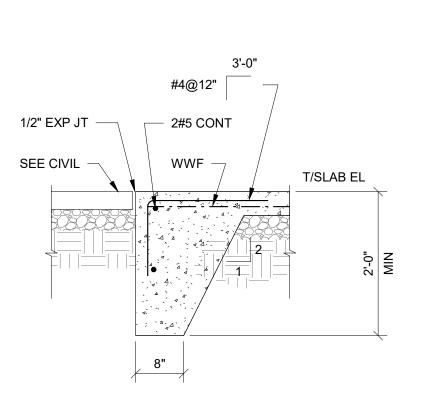
4'-0"

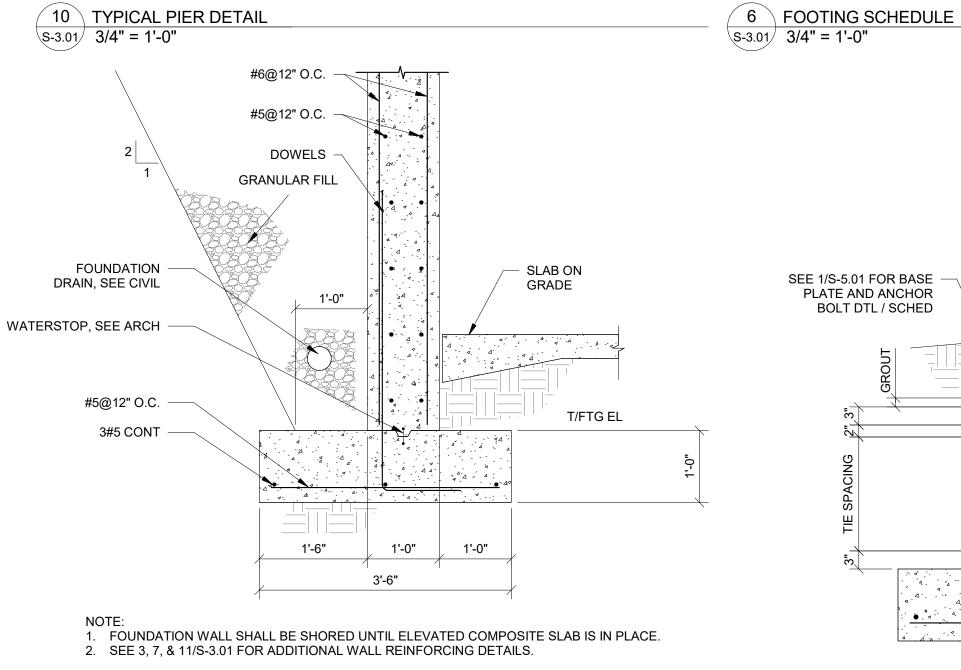
#4@18" TYP LOCATE ON DRY SIDE OF WATERSTOP

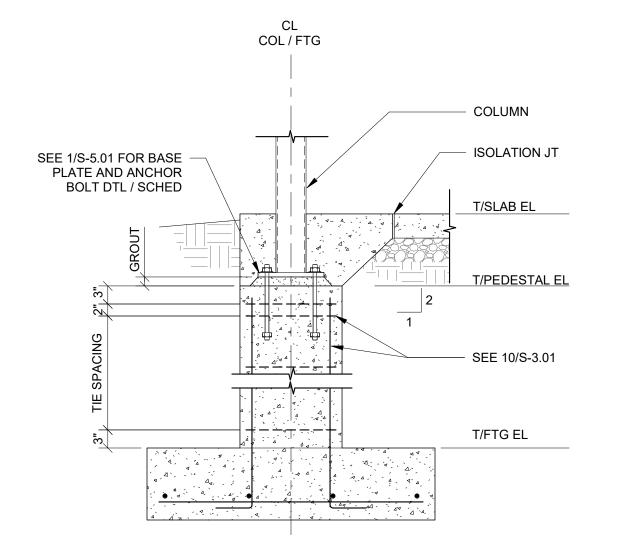
- CONTRACTION JT OR

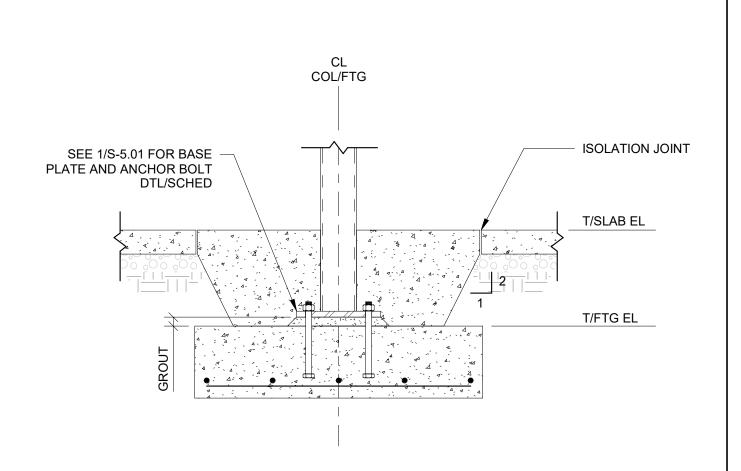
CONSTRUCTION JT, TYP

FOOTING SCHEDULE					
IARK	SIZE (WxLxT)	REINF	REMARKS		
3.75	3'-9"x3'-9"x12"	4#5 EW	TOP & BOTTOM		
5.25	5'-3"x5'-3"x16"	6#5 EW	воттом		









1 TYPICAL INTERIOR STEEL COLUMN FOOTING S-3.01 3/4" = 1'-0"

2 TYPICAL TURNDOWN SLAB AT DOOR 3/4" = 1'-0"

3330 Preston Ridge RD. Suite 380 Alphretta, GA 30005

PRINT RECORD No. DATE DESCRIPTION 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By Job No. 18011DG 11/07/2018 **Sheet Title**

FOUNDATION DETAILS

Sheet No.

S-3.01

RELEASED FOR CONSTRUCTION

17 TYPICAL THICKENED FOOTING AT UNDERGROUND PIPING S-3.01 3/4" = 1'-0"

2' - 0"

2' - 0"

CL OF PIPE

1' - 6"

1' - 6"

2' - 8"

PIPE NEAR TOP OF FOOTING

PIPE AT BOTTOM OF FOOTING

PIPE UNDER FOOTING

VERIFY PIPE PENETRATION LOCATIONS W/ PLUMBING CONTRACTOR

1' - 6"

1' - 6"

- ADDL REINF TO MATCH |

FTG REINF

- ADDL REINF TO MATCH

FTG REINF

- FTG REINF

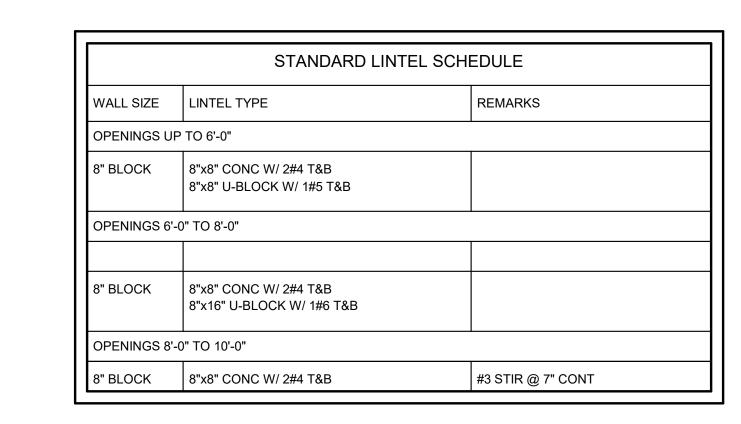
2' - 0"

FTG REINF

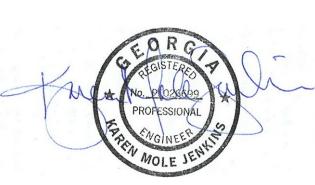
2' - 0"

9 TYPICAL FOUNDATION WALL WITH ELEVATED SLAB s-3.01 3/4" = 1'-0"

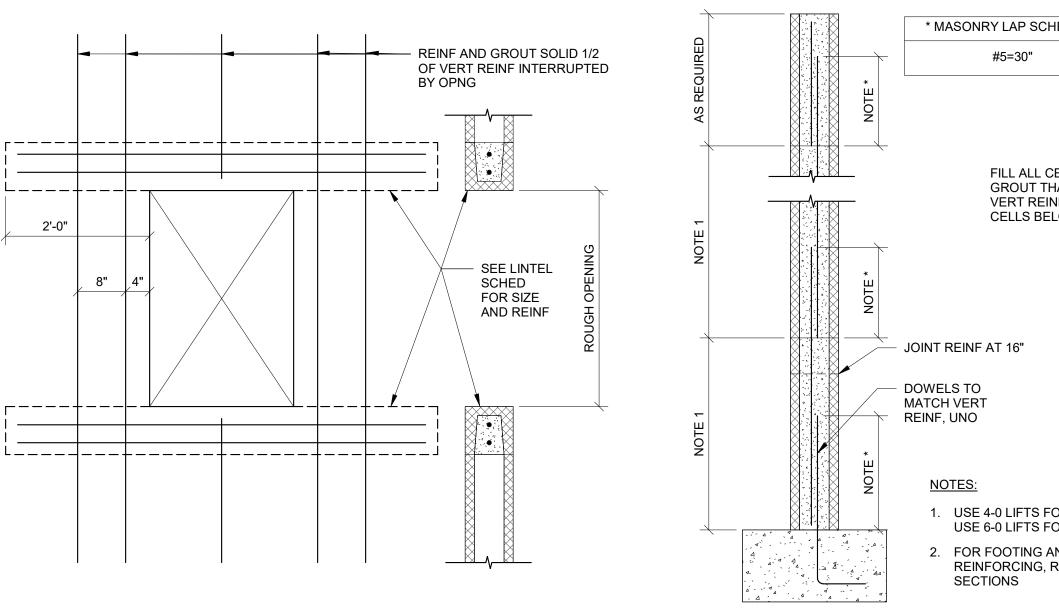
5 TYPICAL EXTERIOR STEEL COLUMN FOOTING WITH PIER 3/4" = 1'-0"

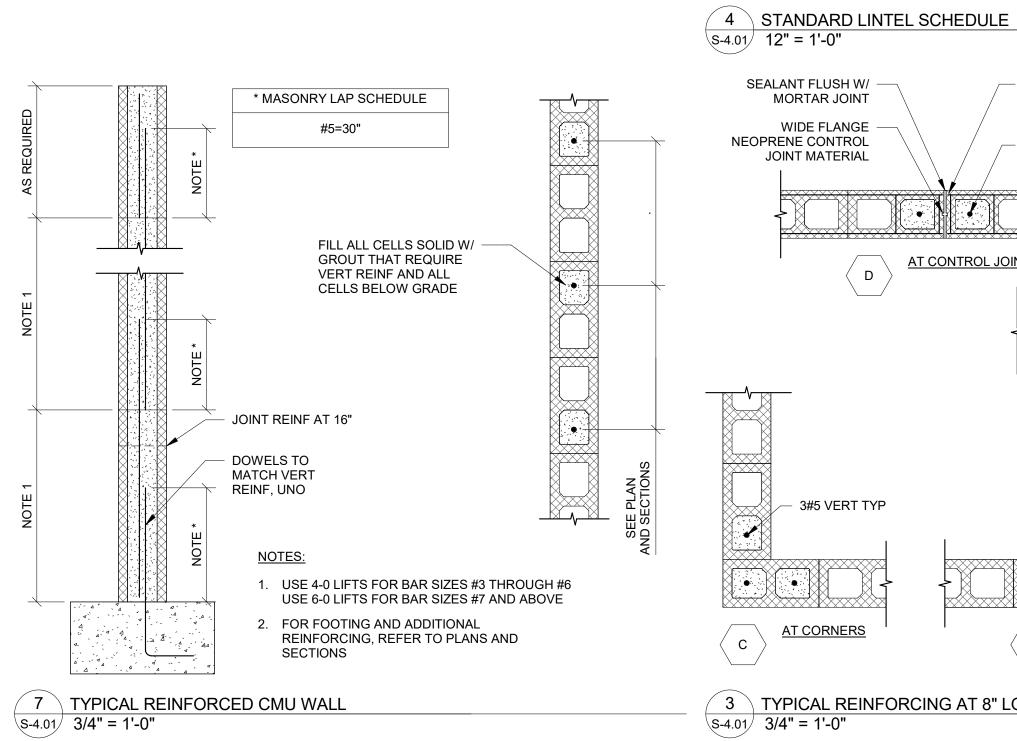


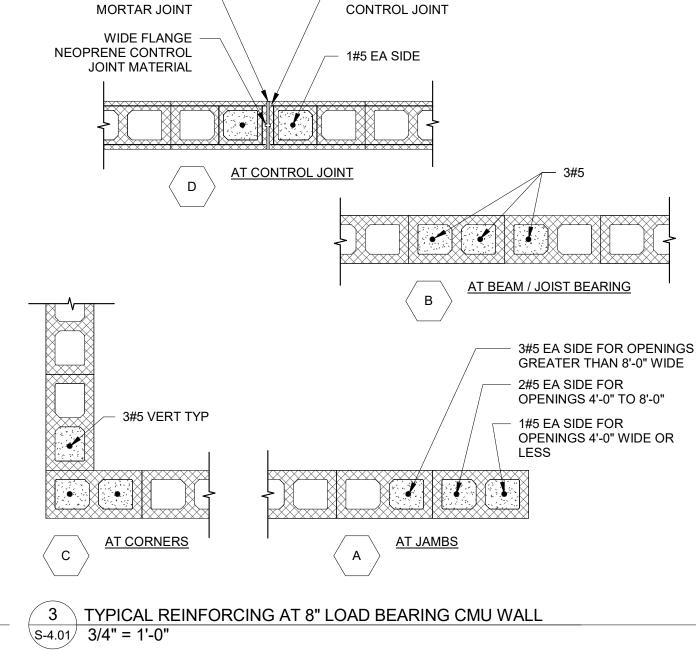




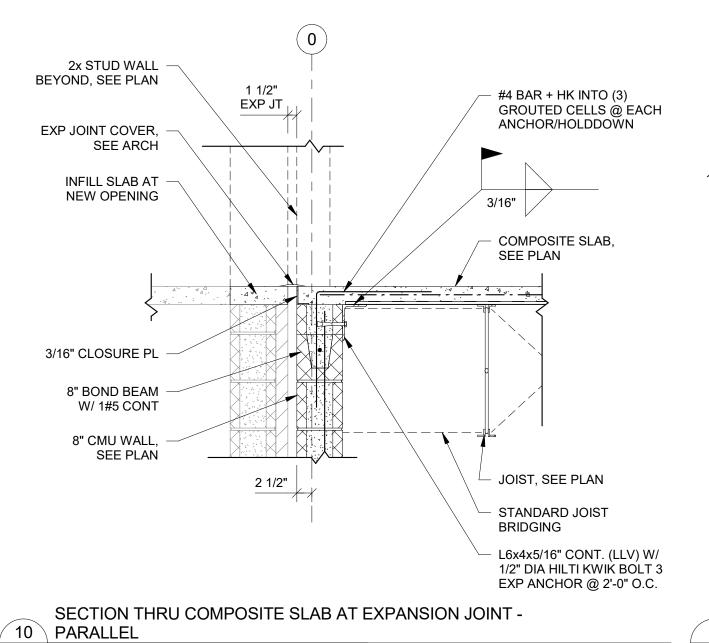
STRUCTURAL



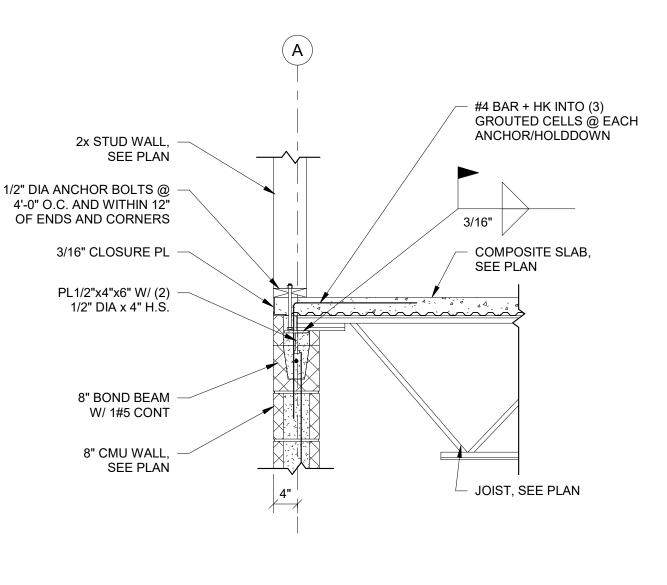


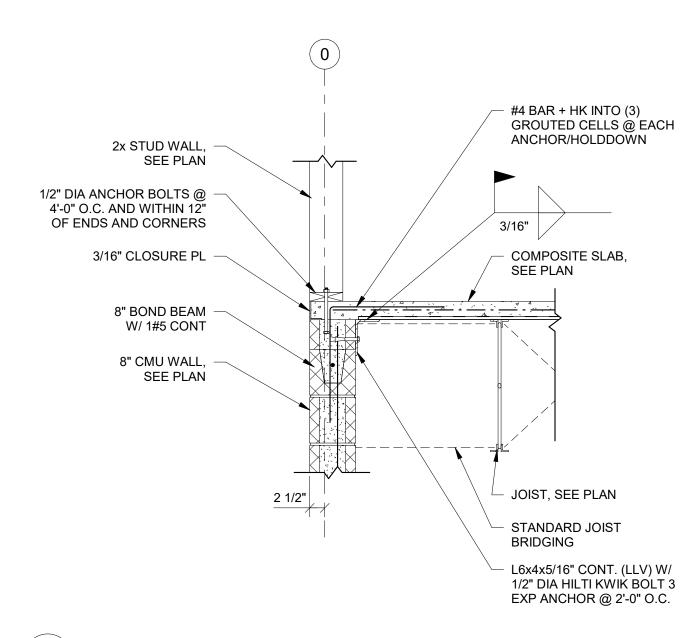


- CUT HORIZ JOINT REINF AT



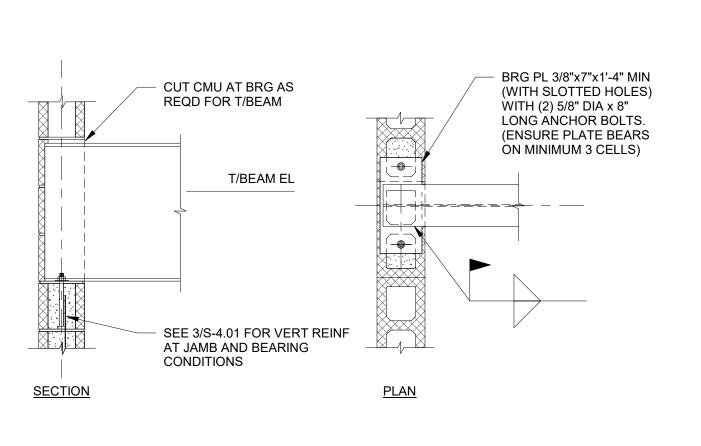
11 TYPICAL REINFORCING AT CMU WALL OPENING 3/4" = 1'-0"

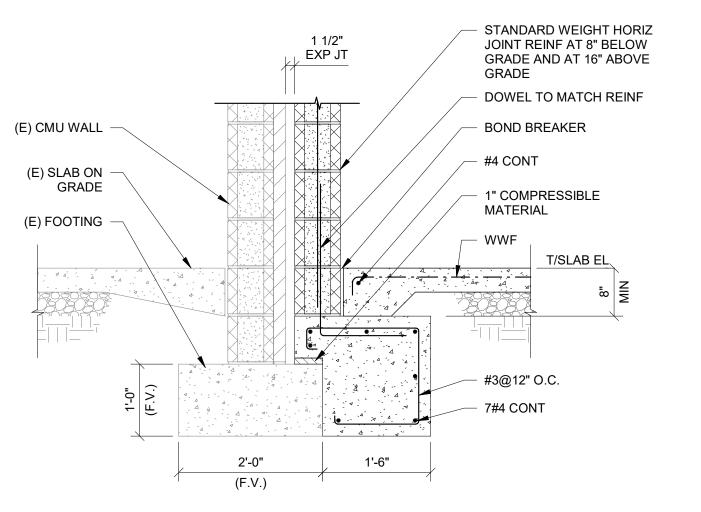


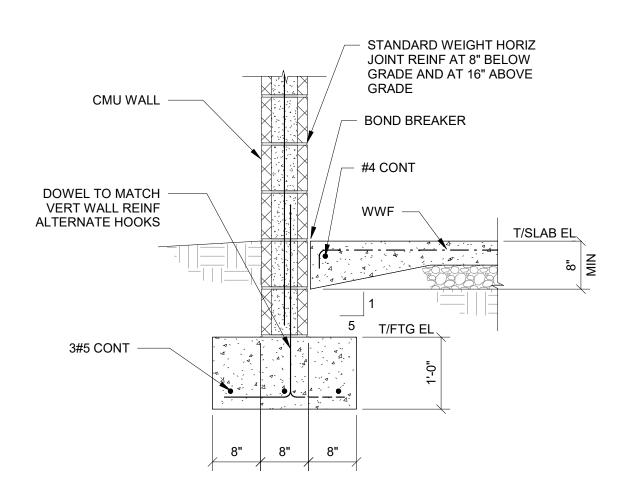












_	
9	TYPICAL CMU WALL AT BEAM BEARING
S-4.01/	3/4" = 1'-0"

s-4.01 3/4" = 1'-0"

5 TYPICAL EXTERIOR 8" CMU WALL FOOTING AT EXPANSION JOINT 3/4" = 1'-0"

1 TYPICAL EXTERIOR 8" CMU WALL FOOTING 3/4" = 1'-0"

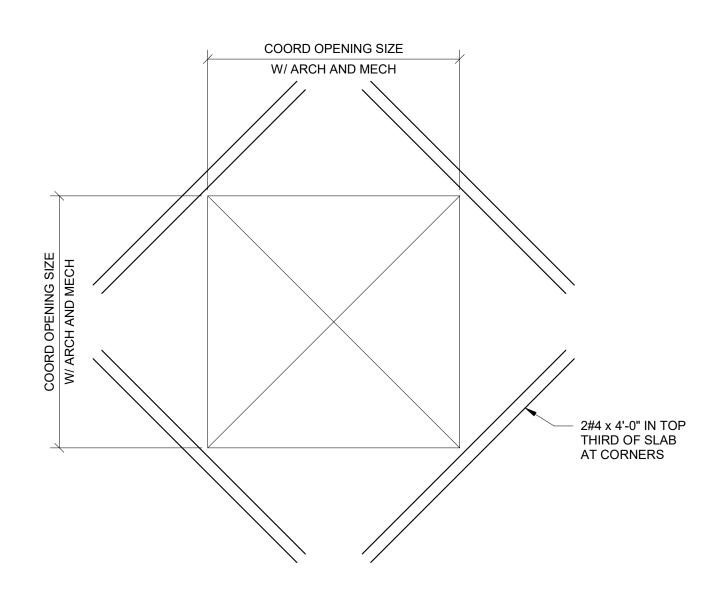
	LOMPKIN	EXPANSION	266 MECHANIC DAHLONEGA, 0
	RINT REC		
No.	DATE		SCRIPTION DOCUMENT
	11/0//2018	PERIVITI	DOCUMENT
Dr BCF	awn By		hecked By
Da	te 7/2018	_	ob No.
Sł	neet Title		
<u> </u>	1000 1100		
N	MASON	IRY D	ETAILS

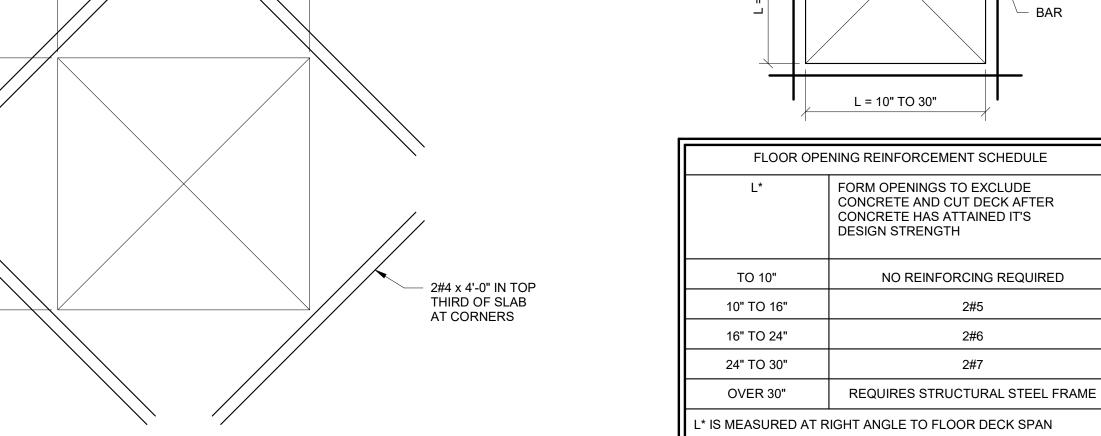
11/5/2018 1:51:38 PM C:\Users\User1\Documents\18011DG_LumpkinCoSC_St

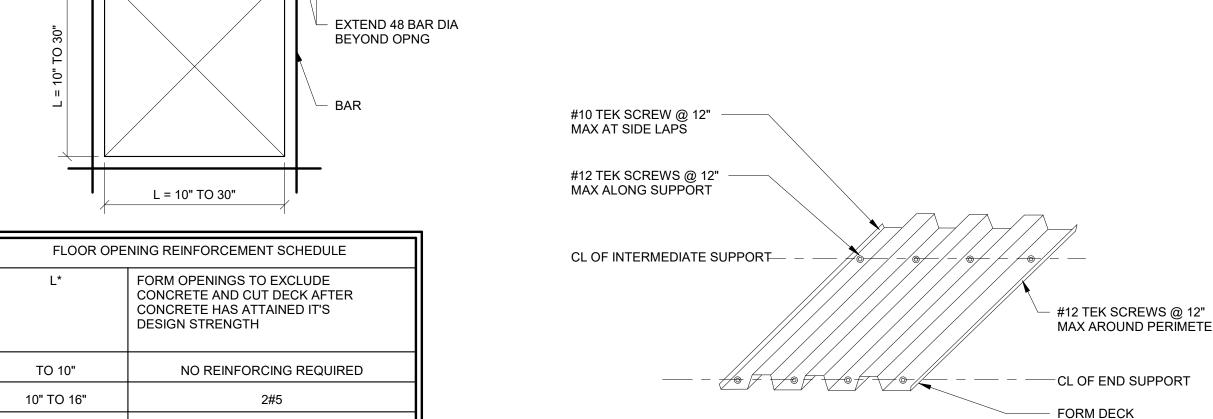
RELEASED FOR CONSTRUCTION

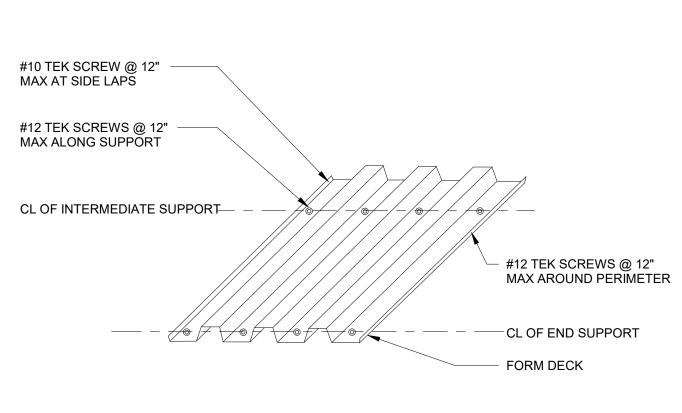
S-4.01

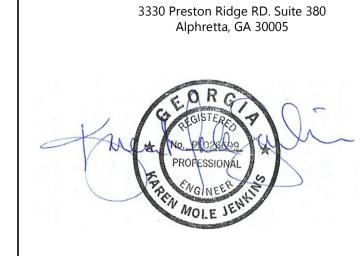
Sheet No.

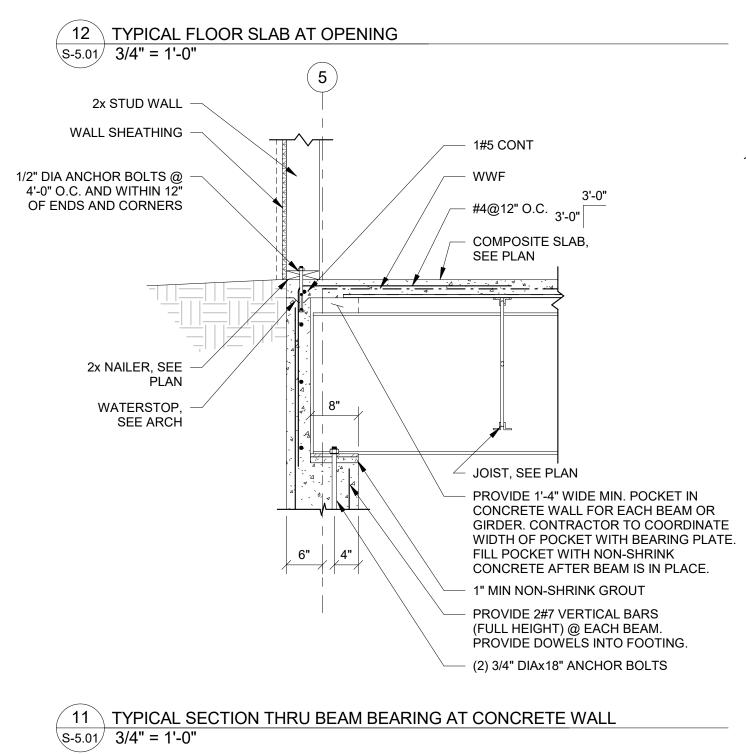


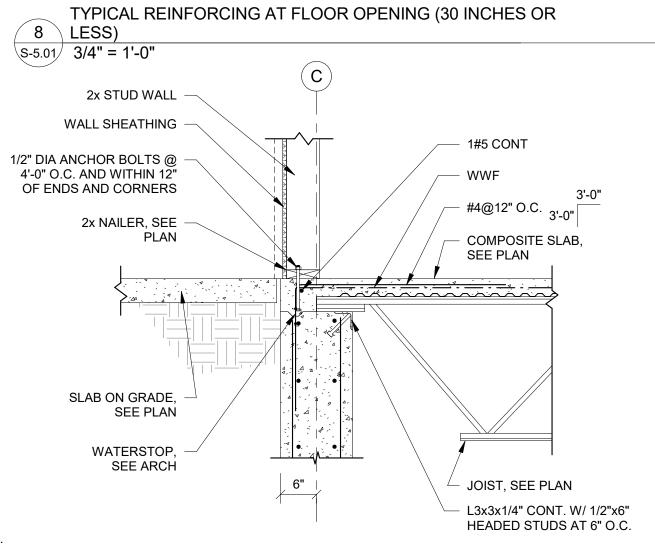


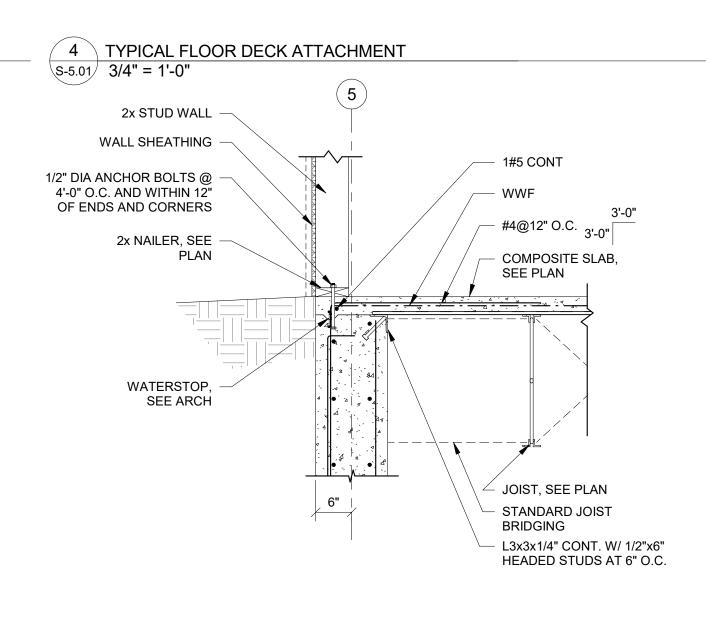






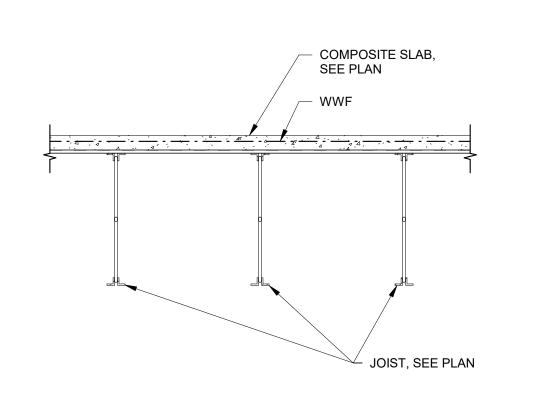


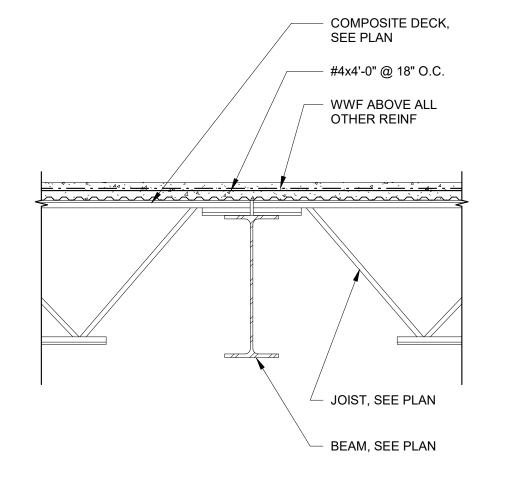




7	TYPICAL SECTION THRU DECK BEARING AT CONCRETE WALL - PERPENDICULAR
S-5.01	3/4" = 1'-0"

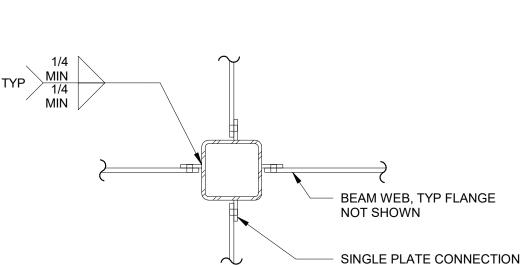






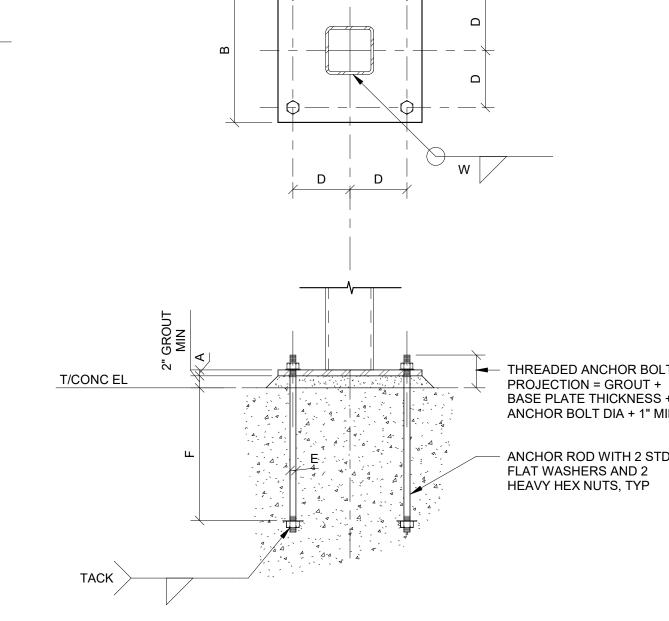
BASE PLATE AND ANCHOR BOLT SCHEDULE								
NOTATION		BASE	PLATE		,	ANCHO	R BOLTS	WELD
	Α	В	С	D	Е	F	NO	W
BP1	3/4"	12"	12"	4 1/2"	3/4"	9"	4	3/16"
BP2	3/4"	10"	10"	3 1/2"	3/4"	9"	4	3/16"

10	TYPICAL COMPOSITE SLAB AT INTERIOR BEAM	
S-5.01	3/4" = 1'-0"	



SINGLE PLATE CONNECTION (3/8" MIN) SIZE TO SUIT SHEAR AND MOMENT

NOTE: CLOSE COLUMN WITH 1/2" CAP PLATE, TYP



5 TYPICAL TUBE COLUMN CONNECTIONS 8-5.01 3/4" = 1'-0"

6 TYPICAL COMPOSITE SLAB AT INTERIOR GIRDER 3/4" = 1'-0"

1 TYPICAL BASE PLASTE AND ANCHOR BOLT (TUBE)

S-5.01 3/4" = 1'-0"

CHOR BOLT GROUT + HICKNESS +		Drawn By	Checked B
DIA + 1" MIN WITH 2 STD		Date 11/07/2018	Job No. 18011DG
S AND 2 TS, TYP		Sheet Title	
			FRAMING TAILS
	1		

S-5.01

Sheet No.

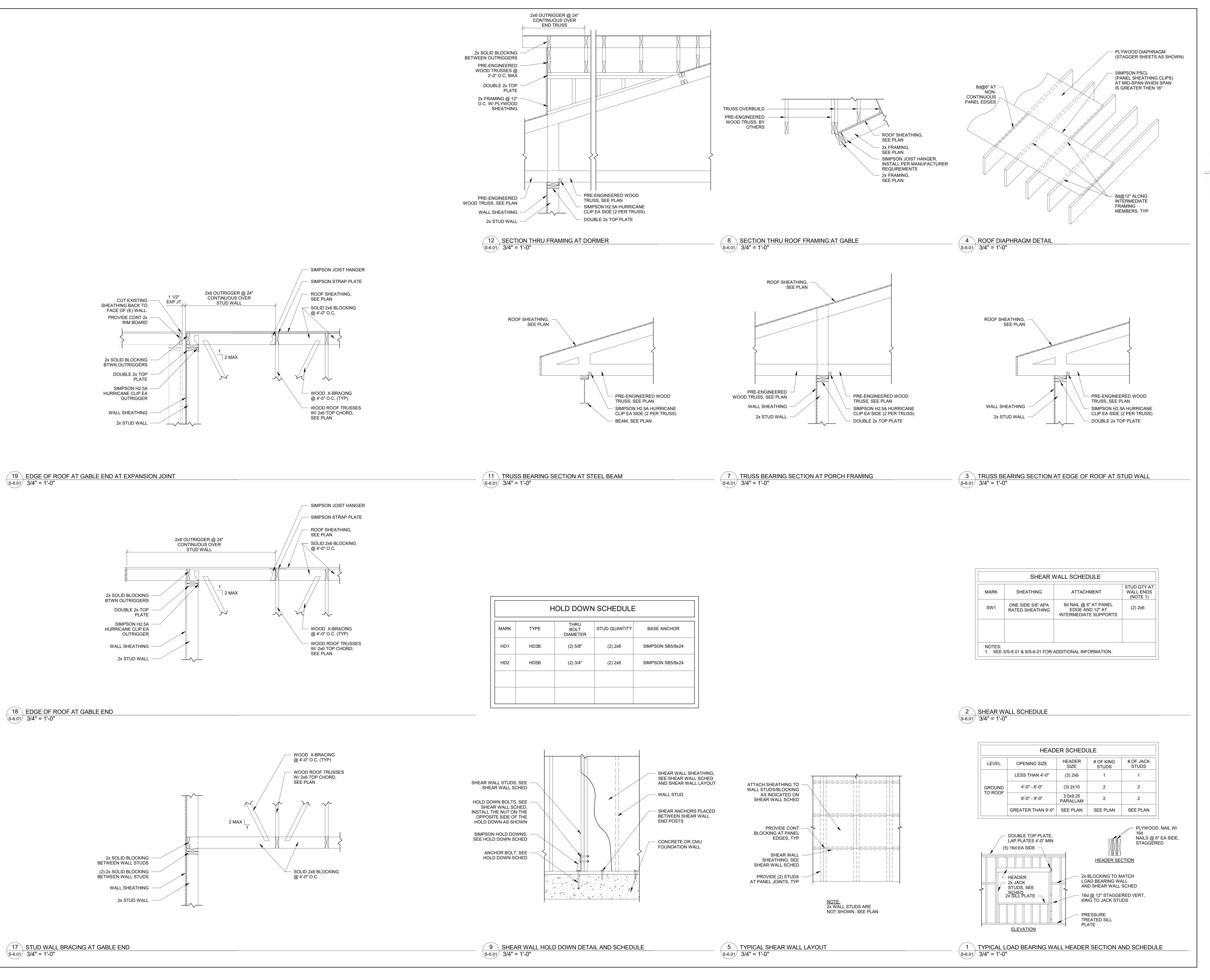
PRINT RECORD

DESCRIPTION

Checked By

11/07/2018 PERMIT DOCUMENT

No. DATE



3330 Preston Ridge RD. Suite 380 Alphretta, GA 30005



PRINT RECORD DESCRIPTION No. DATE

11/07/2018 PERMIT DOCUMENT

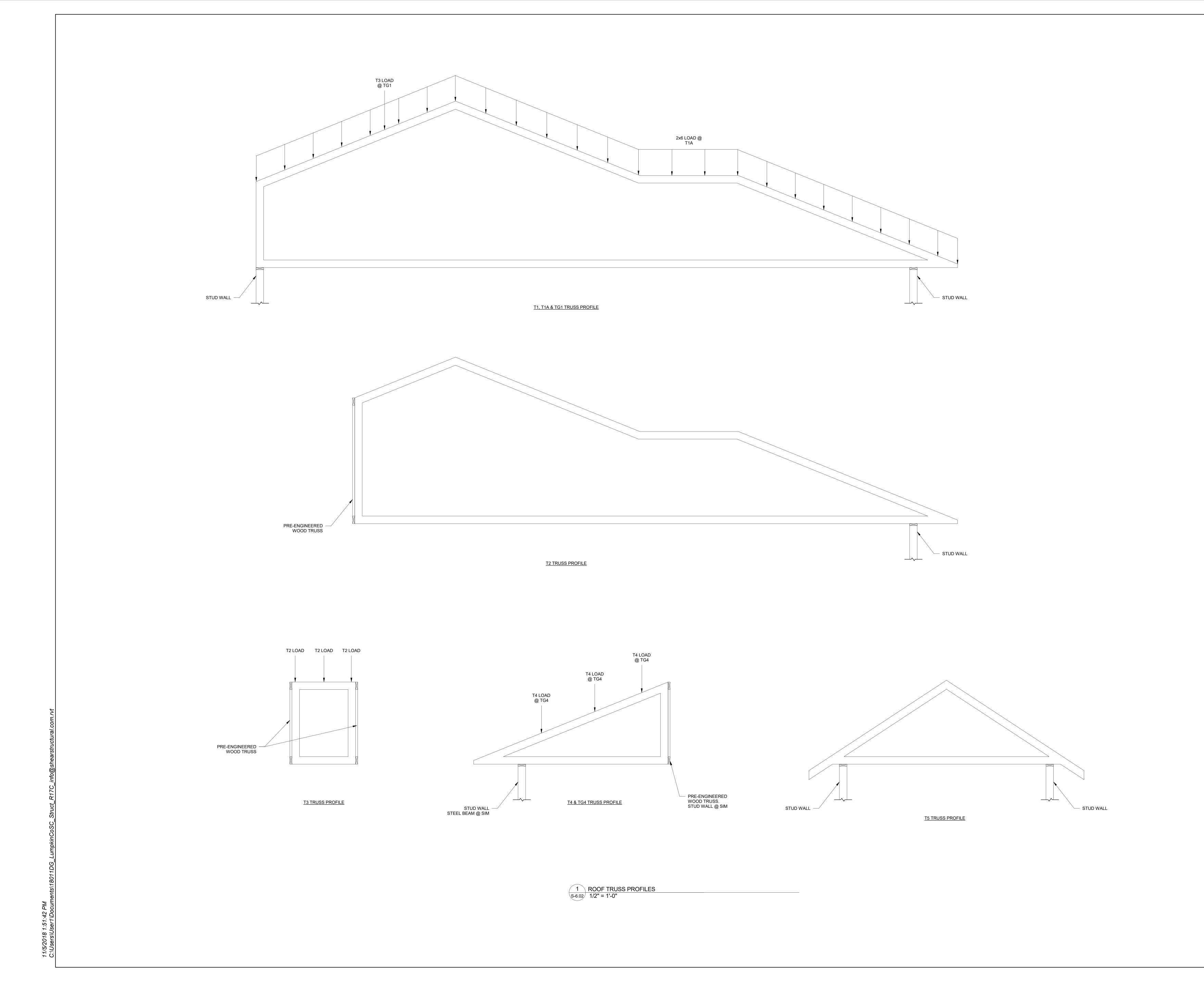
Checked By Drawn By Job No. 11/07/2018 18011DG

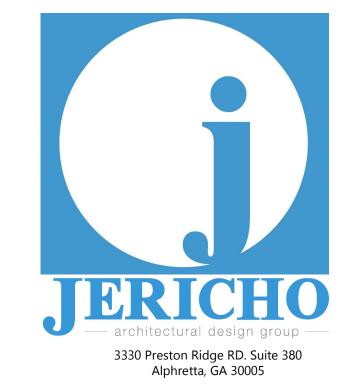
Sheet Title WOOD FRAMING DETAILS

Sheet No.

Date

S-6.01







SHEAR

SENIOR CENTER

PANSION

MECHANICSVILLE RD.
HLONEGA, GA 30533

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

Drawn By
BCR

Checked By
KMJ

Date
Job No.
11/07/2018

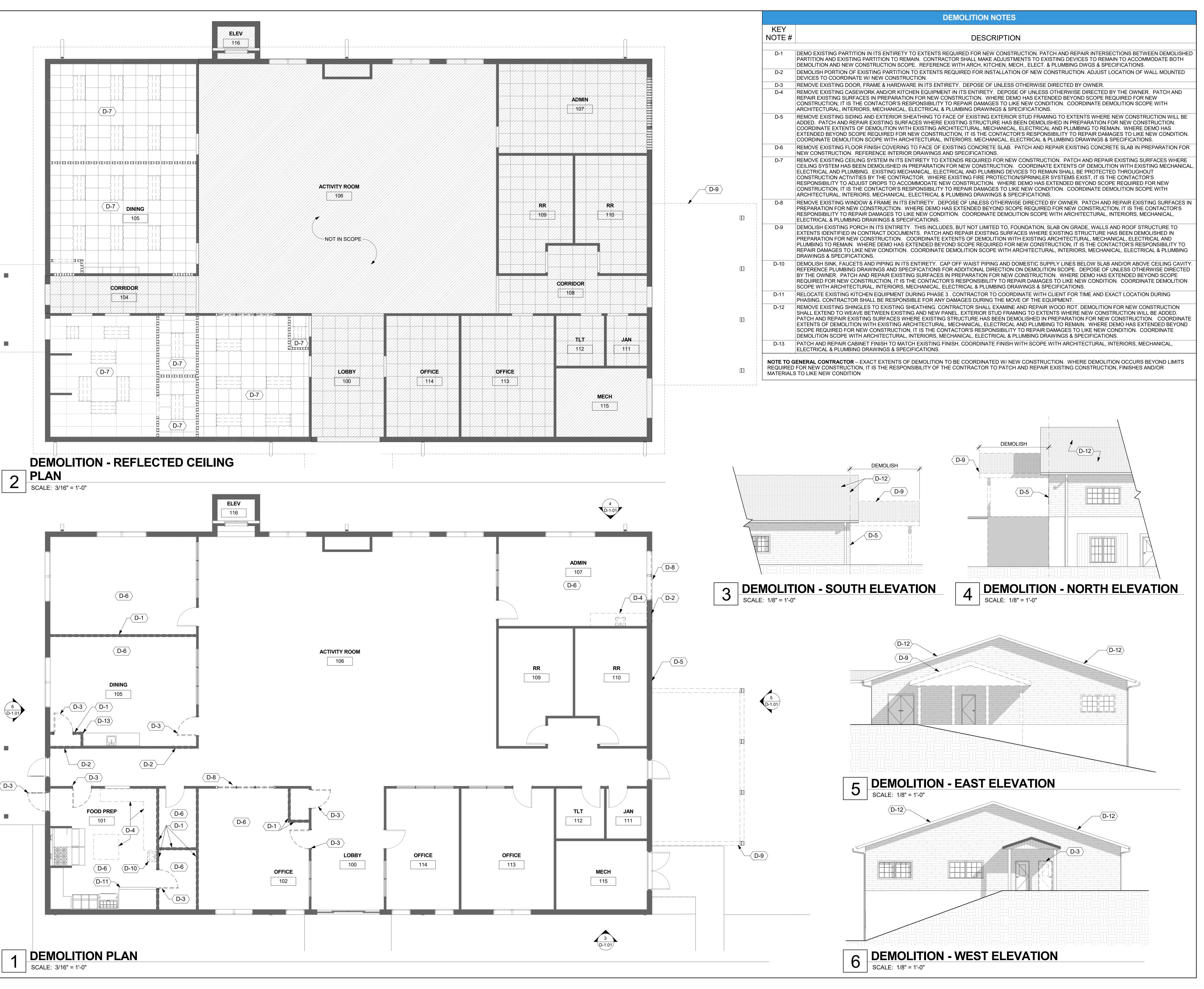
18011DG

Sheet Title

TRUSS PROFILES

Sheet No.

S-6.02





DOUGLAS E SHAW

PKIN COUNTY SENIOR CENTER

EXPANSION
266 MECHANICSVILLE

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

Drawn By
YN

Date

11/07/2018

Checked By
JDG

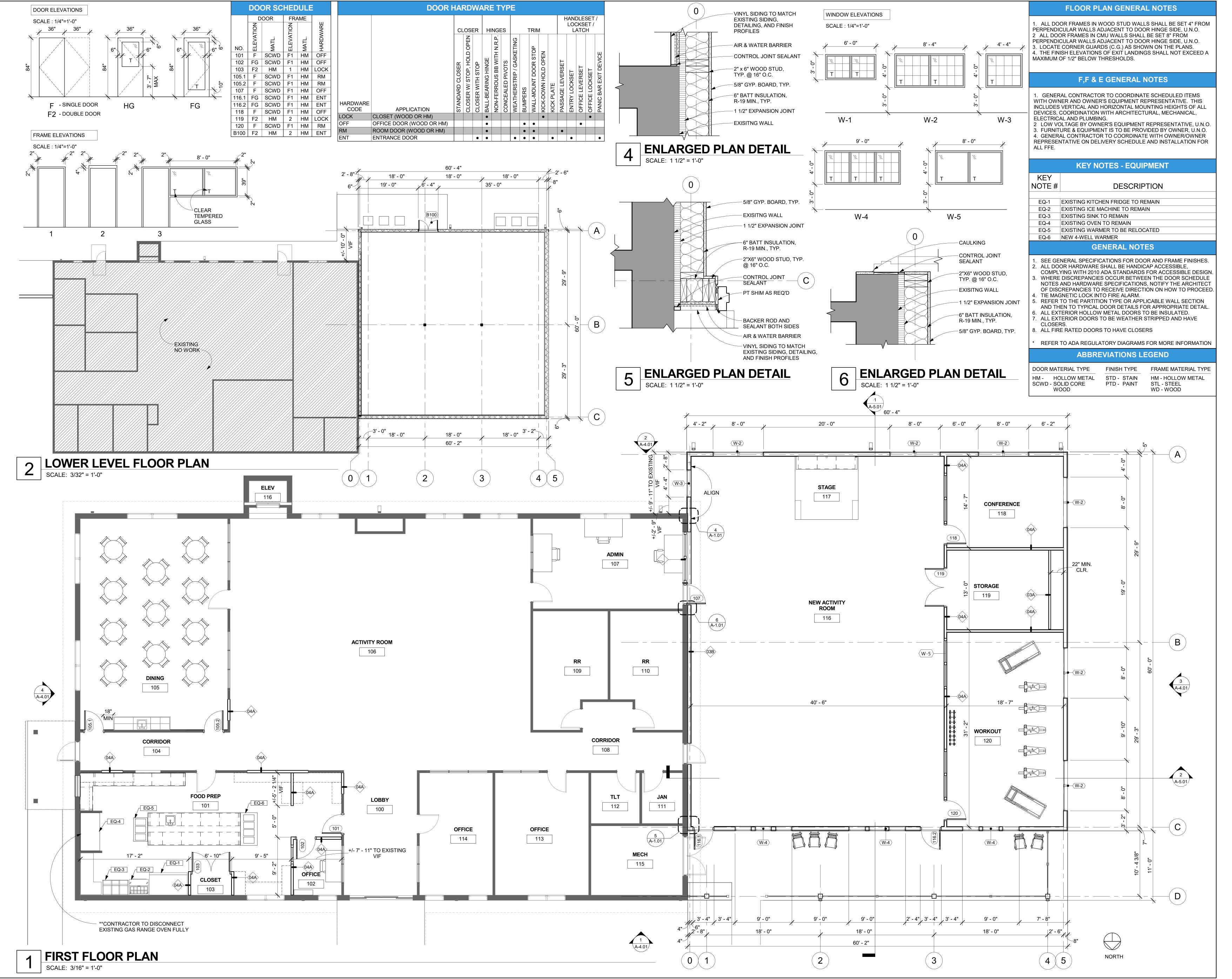
Job No.
18011DG

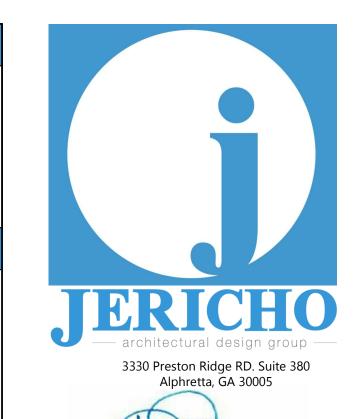
11/07/2018
Sheet Title

DEMOLITION PLAN

Sheet No.

D-1.01





DOUGLAS E SHAW

TO THE NO. RECT. TO THE RED ARCHITECT

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

11/07/2018 PERMIT DOCUMENT

Drawn By

N
Date Job No.

11/07/2018 Job No.

11/07/2018 Sheet Title

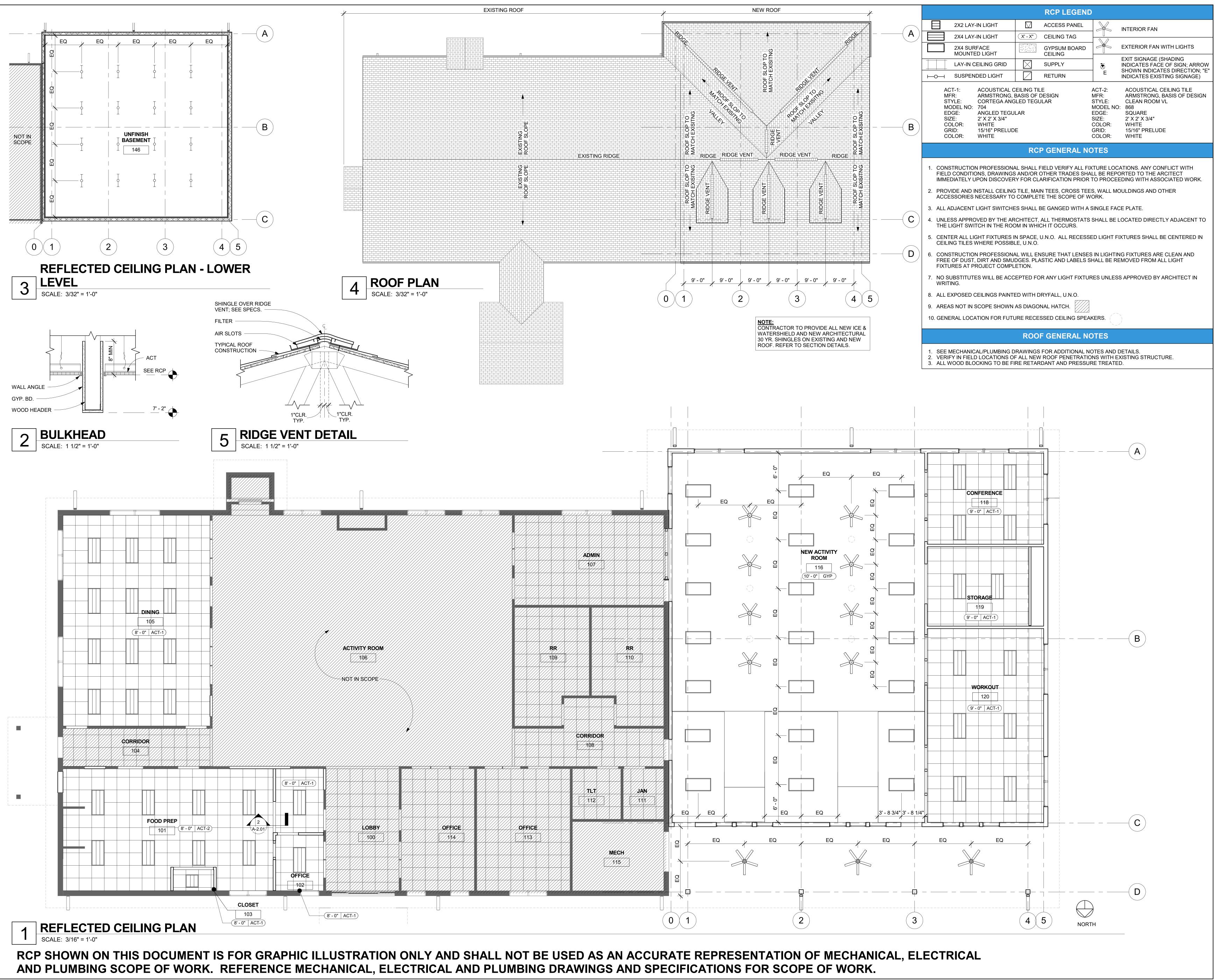
FLOOR PLANS, &
ENLARGED PLANS, &

RELEASED FOR CONSTRUCTION

A-1.01

DETAILS

Sheet No.



JERICHO

architectural design group

3330 Preston Ridge RD. Suite 380
Alphretta, GA 30005

DOUGLAS E SHAW

TO DOUGLAS E SHA

LUMPKIN COUNTY SENIOR CENTER

CAPANSION

See MECHANICSVILLE RD.

DAHLONEGA, GA 30533

Sheet No.

Drawn By

Sheet Title

A-2.01

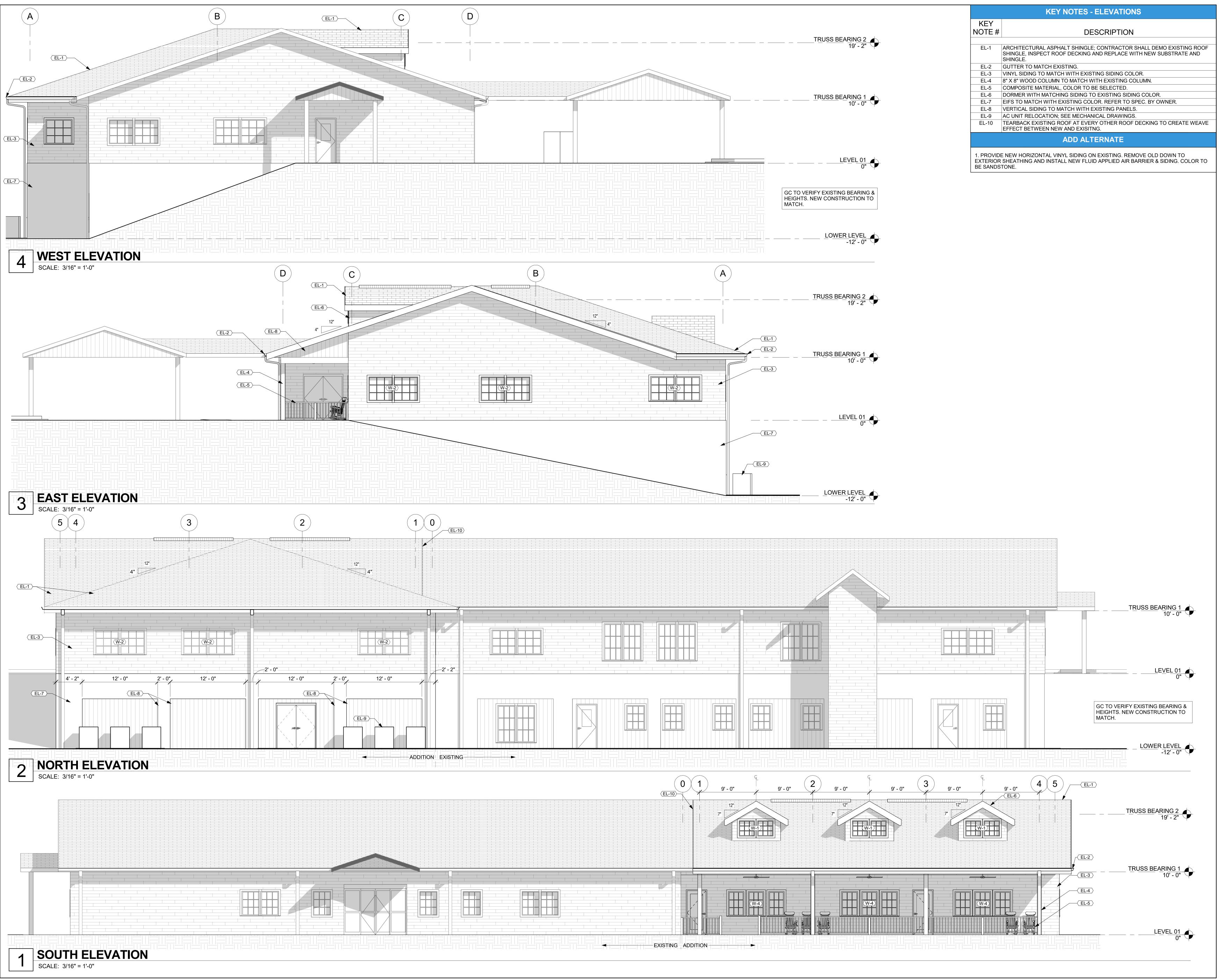
RELEASED FOR CONSTRUCTION

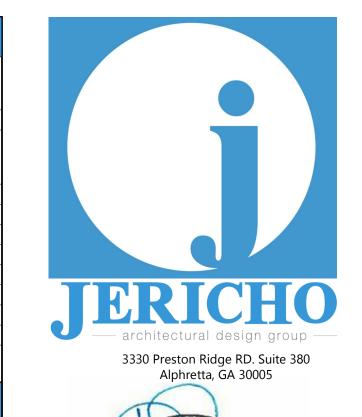
RCP, ROOF PLAN, &

DETAILS

Checked By

Job No.



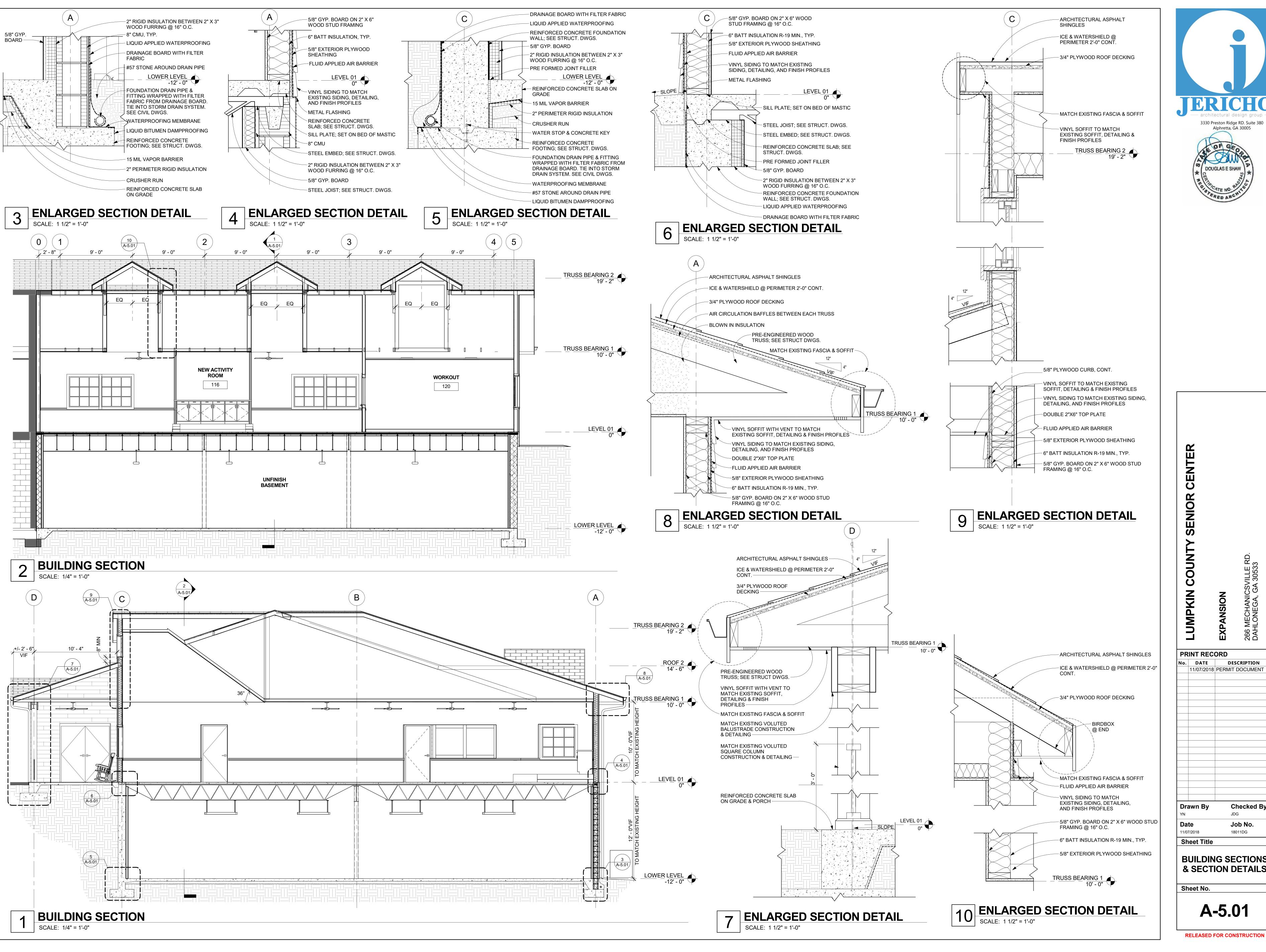


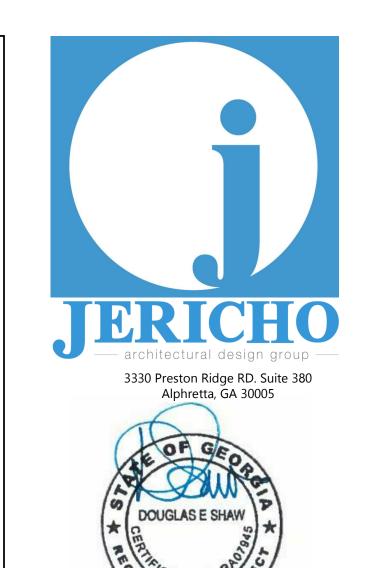


PRINT RECORD DATEDESCRIPTION11/07/2018PERMIT DOCUMENT **Checked By** Drawn By Job No. 18011DG 11/07/2018 Sheet Title **EXTERIOR ELEVATIONS**

A-4.01

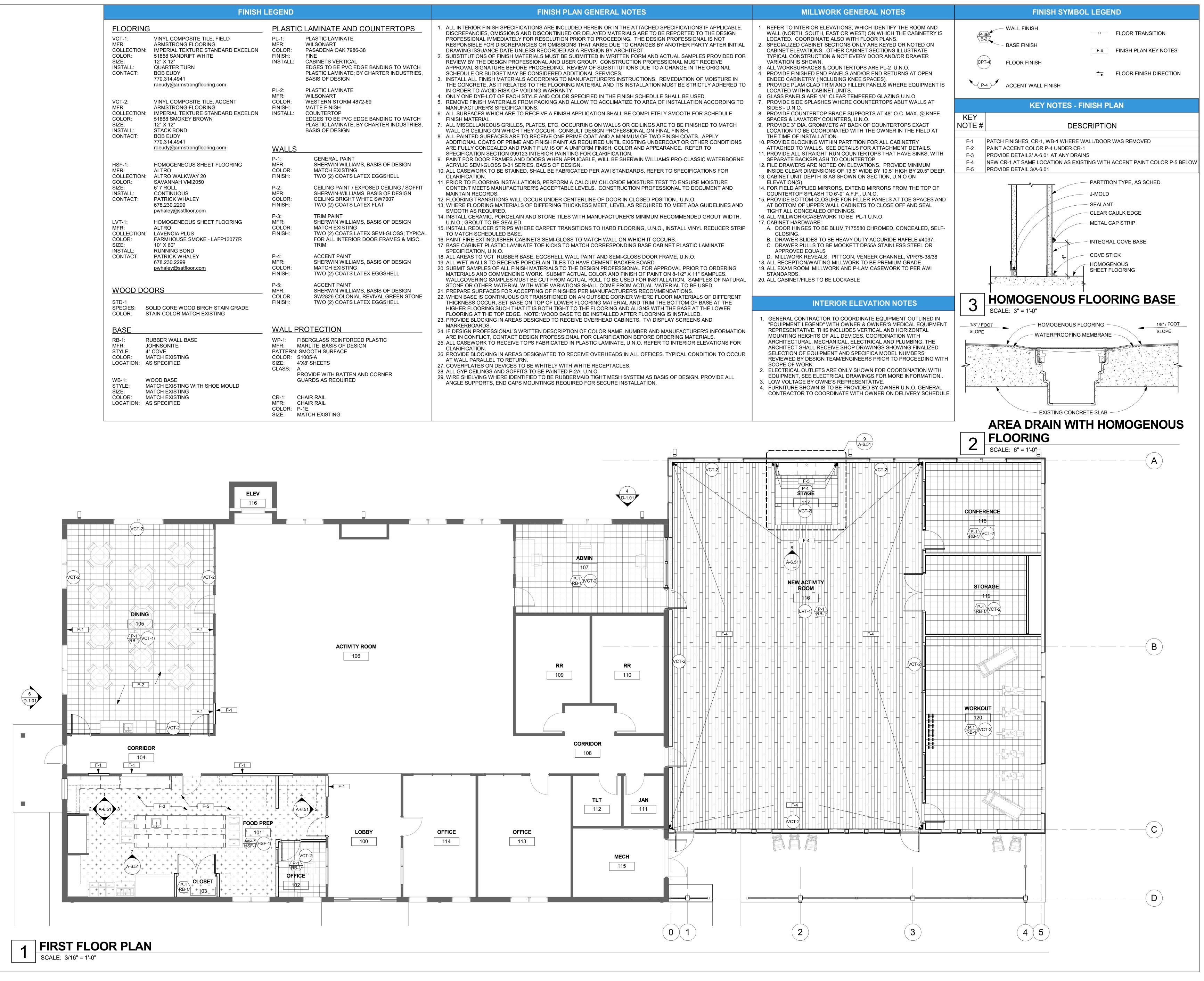
Sheet No.





PRINT RECORD DESCRIPTION No. DATE 11/07/2018 PERMIT DOCUMENT **Checked By Drawn By** Job No. 11/07/2018 18011DG **Sheet Title BUILDING SECTIONS** & SECTION DETAILS Sheet No.

A-5.01





DOUGLAS E SHAW

PRINT RECORD

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

See MECHANICS/IITE RD.

Drawn By
WR

Date

Date

Date

Date

Date

Job No.

A-6.01

FINISH PLAN &

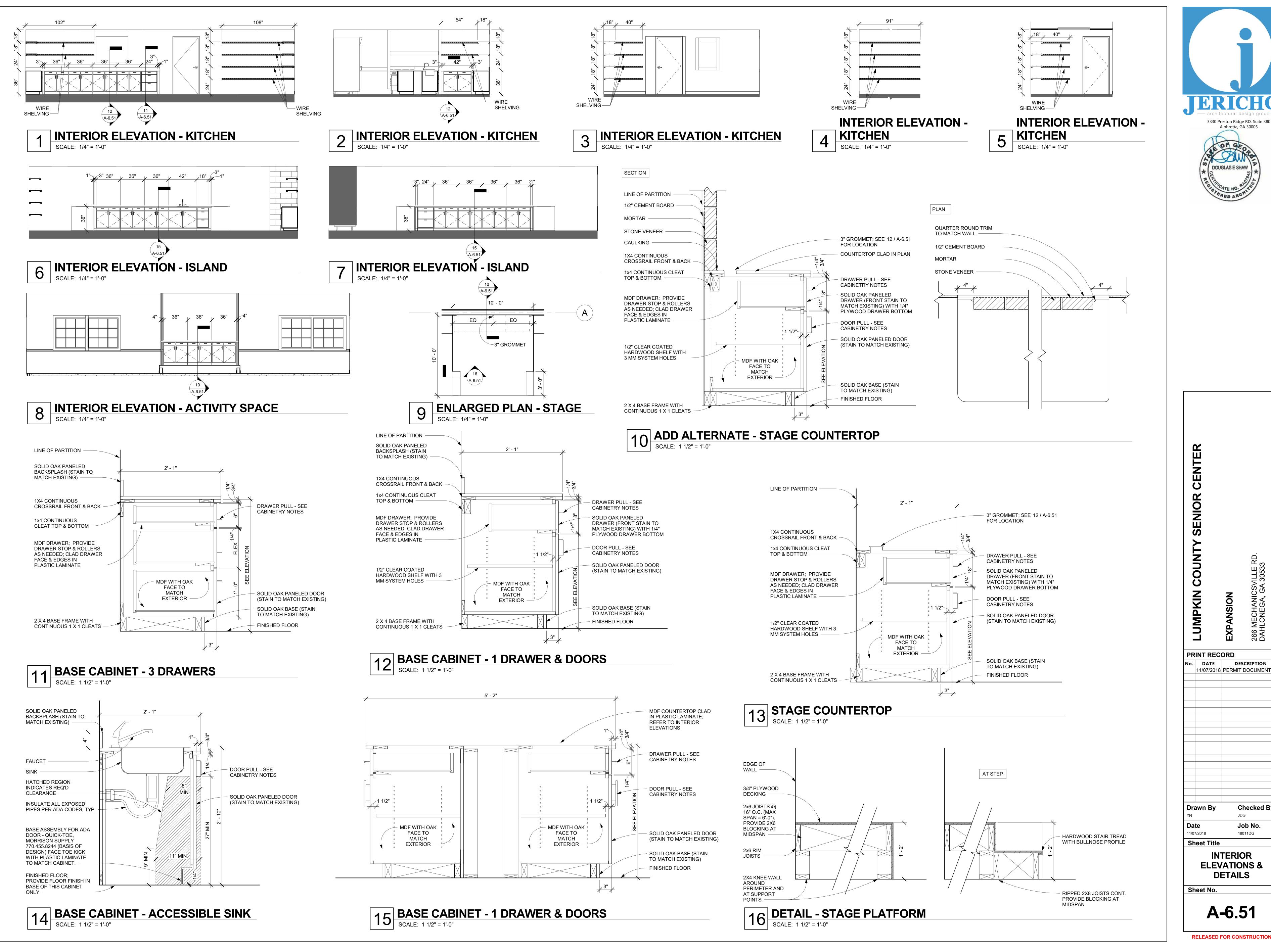
SCHEDULES

Sheet Title

Sheet No.

RELEASED FOR CONSTRUCTION

18011DG



RELEASED FOR CONSTRUCTION

DESCRIPTION

Checked By

Job No.

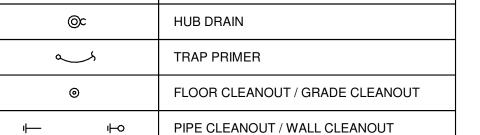
18011DG



	COLD WATER PIPE
	HOT WATER PIPE
—— FW ———	FILTERED WATER PIPE
— F ——	FIRE SPRINKLER PIPE
G	NATURAL GAS PIPE
s	SANITARY PIPE
—— GW ———	GREASE WASTE PIPE
ST	STORM PIPE
—EST——	EMERGENCY STORM PIPE
	VENT PIPE
— е——	PIPE UP / PIPE DOWN
	PIPE TEE FROM TOP / TEE FROM BOTTOM

<u> </u>		PIPE UP / PIPE DOWN
p		PIPE TEE FROM TOP / TEE FROM BOTTOM
<u> </u>	>	PIPE CAP / PIPE CONTINUATION
⊸ ō⊷	─ ₹	BALL VALVE / CHECK VALVE
~~	- ⋈	MIXING VALVE / PRESSURE REDUCING VALVE
MINM		BACKFLOW PREVENTER ASSEMBLY

]s	∻ e—	WALL HYDRANT / HOSE BIBB		
		FLOOR DRAIN / FLOOR SINK		
	-	WATER HAMMER ARRESTOR		
<u></u>	—¤—	GAS COCK / GAS SOLENOID VALVE		
C	x	P-TRAP		



AAV	AIR ADMITTANCE VALVE	IMB	ICE MACHINE BOX
A/C	ABOVE CEILING	IE	INVERT ELEVATION
A/F	ABOVE FLOOR	L / LAV	LAVATORY
AFF,AFG	ABOVE FINISHED FLOOR/GRADE	MBH	1000 BTU/HR
B/F	BELOW FLOOR	MS	MOP SINK
BFP	BACKFLOW PREVENTER	MV	MIXING VALVE
B/G	BELOW GRADE	O/H	OVERHEAD
CD	CONDENSATE DRAIN	OW	OIL WASTE
CONT	CONTINUATION	G	NATURAL GAS
CW	COLD WATER	PRV	PRESSURE REDUCING VALVE
DN	DOWN	RP	RECIRCULATION PUMP
ΞT	EXPANSION TANK	S / SAN	SANITARY
EWC	ELECTRIC WATER COOLER	SH	SHOWER
ex.	EXISTING	SK	SINK
FCO	FLOOR CLEANOUT	ST	STORM
FD	FLOOR DRAIN	TP	TRAP PRIMER
FHB	FREEZEPROOF HOSE BIBB	TYP	TYPICAL
FS	FLOOR SINK	UR	URINAL
FWH	FREEZEPROOF WALL HYDRANT	V	VENT
GCO	GRADE CLEANOUT	VTR	VENT THROUGH ROOF
GI	GREASE INTERCEPTOR	WC	WATER CLOSET
НВ	HOSE BIBB	W.C.	WATER COLUMN
HD	HUB DRAIN	WCO	WALL CLEANOUT

ABBREVIATIONS

HOT WATER

HOT WATER RETURN

EXACT LOCATIONS OF EQUIPMENT AND FIXTURES. PROVIDE NECESSARY PIPING OFFSETS TO COORDINATE WITH THE BUILDING STRUCTURE, WORK OF OTHER TRADES, AND CONNECTION TO SITE UTILITIES (AS APPLICABLE). WATER HAMMER ARRESTER

WASHING MACHINE BOX

COORDINATE THE ELECTRICAL REQUIREMENTS AND CHARACTERISTICS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ISSUING SUBMITTALS OR PURCHASING EQUIPMENT.

PLUMBING SPECIFICATIONS

SPECIFICATIONS AND RECOMMENDATIONS.

DOCUMENTS WILL NOT BE CONSIDERED.

GENERAL
ALL WORK SHALL COMPLY WITH ALL STATE, CITY AND LOCAL CODES, RULES AND REGULATIONS. CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS AND INSPECTIONS ASSOCIATED WITH THIS WORK, AND SHALL PAY ALL COSTS AND FEES

ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE BEST RECOGNIZED

STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED DIRECTIONS,

PRACTICE IN THE FIELD CONCERNED. MANUFACTURED ITEMS SHALL BE INSTALLED IN

CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND SHALL BE FAMILIAR WITH THE SCOPE AND REQUIREMENTS OF THIS PROJECT. ANY DISCREPANCIES OR LACK OF CLARITY IN THE DOCUMENTS SHALL BE IDENTIFIED TO THE ARCHITECT OR ENGINEER PRIOR TO THE SUBMISSION OF PRICING BIDS. WITH A SUBMITTED BID.

CONTRACTOR IS ACCEPTING THESE DOCUMENTS AS SUFFICIENT DEFINITION OF THE

SCOPE OF WORK, AND ANY ADDITIONAL COSTS BASED ON UNCLARITY OF CONTRACT

THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE FULL SET OF CONSTRUCTION

THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ARCHITECTURAL DRAWINGS TO ENSURE THERE IS ADEQUATE WALL THICKNESS SUCH THAT ALL PIPING, FIXTURE CARRIERS, WALL CLEANOUTS, WALL BOXES, WALL HYDRANTS AND ACCESS PANELS WILL FIT IN THE WALL SPACE. CONTRACTOR SHALL NOTIFY THE ARCHITECT IF WALL

THE CONTRACTOR SHALL OBTAIN EXACT WALL, FIXTURE, AND LAYOUT DIMENSIONS FROM THE ARCHITECTURAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ROUGH-IN AND INSTALLATION DRAWINGS FOR ALL PLUMBING FIXTURES, KITCHEN EQUIPMENT AND OWNER FURNISHED EQUIPMENT (AS APPLICABLE), AND SHALL COORDINATE THE PLUMBING INSTALLATION PRIOR TO COMMENCING THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL

ESCUTCHEONS, WATER HAMMER ARRESTORS, VACUUM BREAKERS, RELIEF VALVES, PIPE INSULATION, AND EQUIPMENT SPECIALTY DEVICES AS REQUIRED TO FACILITATE COMPLETE AND OPERATIONAL CONDITIONS WHICH ARE IN STRICT COMPLIANCE WITH

THESE DRAWINGS ARE DIAGRAMMATIC AND DO NOT REFLECT ALL POSSIBLE PHYSICAL CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS FOR EQUIPMENT INSTALLATION PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED SUCH THAT THEY ARE EASILY ACCESSIBLE AND SERVICABLE. THIS EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO: PLUMBING FIXTURES, WATER HEATERS, EXPANSION TANKS, PUMPS, BACKFLOW PREVENTERS, VALVES, MIXING VALVES, THERMOMETERS, GAUGES, TRAP PRIMERS AND CLEANOUTS.

DOCUMENTS, INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL & ELECTRICAL DRAWINGS (AS APPLICABLE) TO ENSURE ALL PLUMBING WORK IS

COORDINATED WITH PHYSICAL CONDITIONS AND ALL OTHER TRADES.

NECESSARY VALVES, CONNECTIONS, TRAPS, ACCESS PANELS, UNIONS,

SPACE IS INADEQUATE PRIOR TO COMMENCING WORK.

THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

UNLESS NOTED OTHERWISE, ALL DRAINAGE PIPING SHALL BE SLOPED AT A MINIMUM OF 1/8" PER FOOT. 2" SANITARY PIPING AND ALL GREASE WASTE PIPING SHALL BE

SLOPED AT 1/4" PER FOOT. DOMESTIC WATER PIPING SHALL BE PURGED OF DELETERIOUS MATTER AND DISINFECTED PRIOR TO UTILIZATION. PIPING TO BE FLUSHED AND STERILIZED IN ACCORDANCE WITH IPC 610.1 AND ALL APPLICABLE LOCAL AND STATE HEALTH

ALL DOMESTIC WATER PIPING SUBJECT TO FREEZING SHALL BE INSULATED AND PROVIDED WITH HEAT TRACE. CONDENSATE PIPING SUBJECT TO FREEZING WITHIN INSTALLED IN EXTERIOR WALLS SHALL BE WRAPPED IN PIPE INSULATION AND BE

PIPE PENETRATIONS THROUGH FIRE RATED WALLS OR FLOORS SHALL HAVE EQUIVALENTLY RATED SLEEVES AND SHALL BE SEALED AND FIRE CAULKED WITH A U.L. LISTED FIRE STOPPING SYSTEM INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTED DETAILS AND SPECIFICATIONS.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE REQUIREMENTS OF THE COUNTY HEALTH DEPARTMENT AND OTHER LOCAL AUTHORITIES HAVING JURISDICTION REGARDING CROSS CONNECTION CONTROL OR OBTAINING A FOOD SERVICE PERMIT (AS APPLICABLE). REPORT ANY OBSERVED DISCREPANCIES TO THE ARCHITECT OR ENGINEER PRIOR TO COMMENCING WITH THE WORK.

CONTRACTOR SHALL CONFIRM PLUMBING FIXTURE FINISHES WITH THE ARCHITECTURAL SCHEDULES & DETAILS (AS APPLICABLE).

LOCATED ON THE INTERIOR SIDE OF THE BUILDING INSULATION.

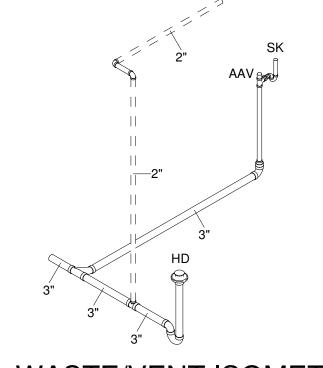
USE OF THIS EQUIPMENT.

DEPARTMENT STANDARDS.

FURNISH SHOP DRAWINGS FOR MANUFACTURED PRODUCTS. ALL ITEMS SHALL BE CLEARLY MARKED TO MATCH EQUIPMENT MARKS ON THE PLUMBING DRAWINGS. ALL OPTIONS MUST BE CLEARLY MARKED ON THE SUBMITTAL SHEET. A MODEL NUMBER LISTING ON A COVER SHEET IS NOT AN ACCEPTABLE SUBSTITUTE FOR MARKING THE ACTUAL SUBMITTAL SHEET. ELECTRICAL DATA FOR POWERED EQUIPMENT MUST BE INDICATED ON THE SUBMITTAL SHEET FOR THAT ITEM.

ALL ITEMS MUST BE SUBMITTED IN ONE PACKAGE AT THE SAME TIME, IN ELECTRONIC PDF FORMAT. SEPARATE SUBMITTALS FOR FIXTURES AND EQUIPMENT IS NOT ACCEPTABLE.

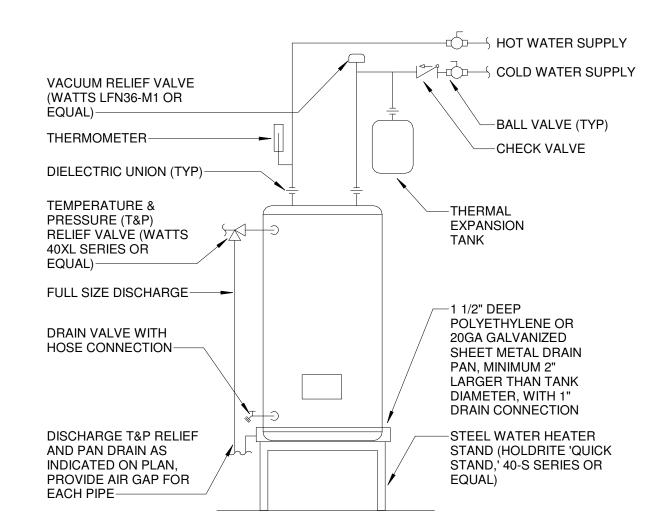
SUBMITTAL REVIEW IS CONSIDERED A GENERAL ACCEPTANCE OF THE BASIC APPLICABILITY OF THE EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND/OR ALTERNATE ARRANGEMENT OF THE EQUIPMENT WITHIN A GIVEN SPACE. WHEN SUBSTITUTED EQUIPMENT IS INSTALLED, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION OR ADDITIONAL COST BROUGHT ON BY THE



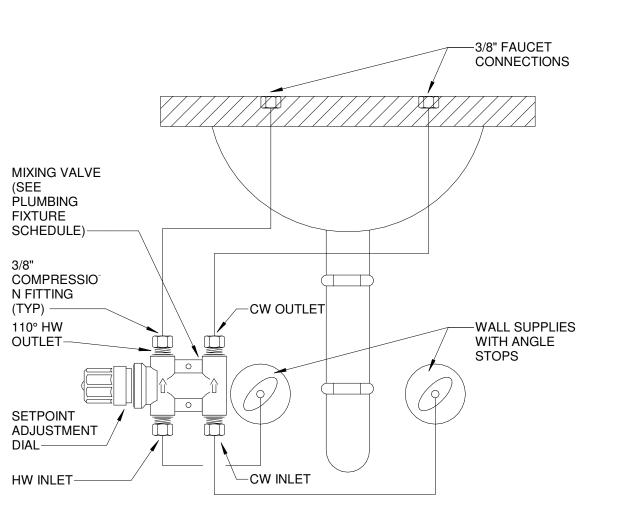
4 WASTE/VENT ISOMETRIC

PLUMBING FIXTURE SCHEDULE

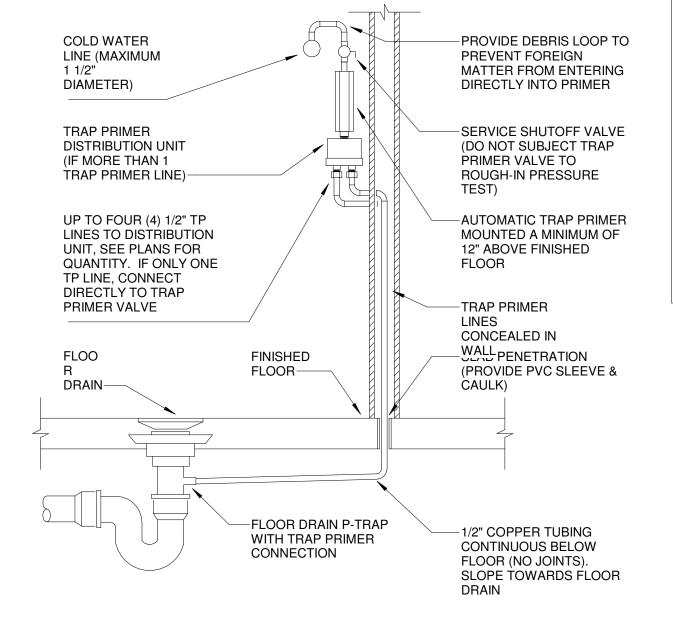
					WATER	RUNOUT	WATER	CONN.	
MARK	DESCRIPTION	WASTE RUNOUT	WASTE CONN.	VENT	CW	HW	cw	HW	SPECIFICATION
MV-1	MIXING VALVE (POINT OF USE)				1/2"	1/2"	3/8"	3/8"	POINT-OF-USE THERMOSTATIC MIXING VALVE (WATTS LFMMV-M1) WITH TEMPERATURE ADJUSTMENT KNOB. LEAD FREE. ASSE STANDARD 1070.
TP-A	AUTOMATIC TRAP PRIMER				1/2"		1/2"		AUTOMATIC TRAP PRIMER (P.P.P. MODEL P2-500). FOR TWO LINES, PROVIDE DISTRIBUTION UNIT DU-4/DU-U. FOR THREE OR FOUR LINES, PROVIDE MODEL P1-500 AND DU-4/DU-U. ASSE STANDARD 1018.
AAV-1	AIR ADMITTANCE VALVE			see plan					STUDOR "MINI VENT", MODEL #20301 OR "MAXI VENT", MODEL #20302, IN ACCORDANCE WITH SIZE INDICATED ON PLANS.



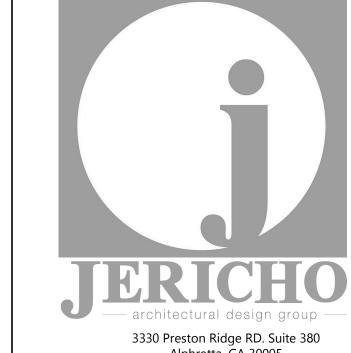
3 STAND MOUNTED ELECTRIC WATER HEATER P-0.01 N.T.S.



POINT OF USE MIXING VALVE
P-0.01 N.T.S.



AUTOMATIC TRAP PRIMER







NIOR

PRINT RECORD o DATE

No.	DATE	DESCRIPTION
	11/07/2018	PERMIT DOCUMENT

Checked By Drawn By Job No. **Sheet Title**

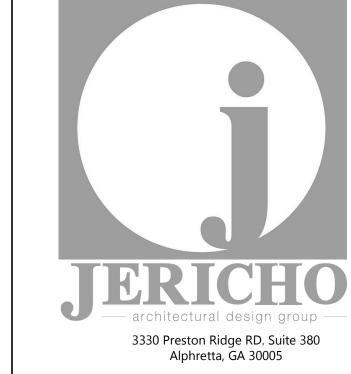
GENERAL

Sheet No.

P-0.01

COMMENCING WORK. 7 3/4" CW A/C & CONNECT TO EXISTING WATER PIPING, FIELD VERIFY SIZE AND EXACT LOCATION. 8 3/4" CW & 3/4" HW A/C & CONNECT TO EXISTING CW & HW LINES SERVING EXISTING KITCHEN EQUIPMENT, FIELD VERIFY EXACT SIZE & LOCATION. 9 EXISTING CONDENSATION LINES TO BE RELOCATED & CAPPED AT EXISTING EXTERIOR LOCATION.

1 P - BASEMENT
SCALE: 3/16" = 1'-0"



KEYNOTES

3 3" S UP TO DRAIN ABOVE

6 3" S O/H & CONNECT TO EXISTING SANITARY PIPING IN BUILDING. FIELD VERIFY EXACT LOCATION, DEPTH AND DIRECTION OF FLOW PRIOR TO

4 1/2" CW & 1/2" HW UP 5 3/4" CW & 3/4" HW UP

1 2" S UP 2 2" V UP





MPKIN COUNTY SENIOR CENTER ANSION

		_						
PRINT RECORD								
No.	DATE	DESCRIPTION						
	11/07/2018	PERMIT DOCUMENT						

Drawn By	Checked
DL	MR
Date	Job No.
11/07/2018	18011DG
Sheet Title	

BASEMENT PLAN

Sheet No.

P-1.01

KEYNOTES

- 1 EXISTING PLUMBING FIXTURES IN THIS AREA TO REMAIN 2 DEMO EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING. CAP UNUSED PIPING BELOW FLOOR, IN WALL, OR ABOVE CEILING AS
- 3 RELOCATE EXISTING WATER HEATER TO THIS LOCATION. CONTRACTOR SHALL VERIFY HEATER & ACCESSORIES ARE IN PROPER WORKING ORDER. REPORT ANY DEFICIENCIES TO ARCHITECT/OWNER. CONTRACTOR SHALL ENSURE CURRENT INSTALLATION IS IN ACCORDANCE WITH WATER HEATER DETAIL ON THESE DRAWINGS.
- 4 2" V DN 5 DISCHARGE WATER HEATER PAN DRAIN TO HUB DRAIN WITH AIR GAP. ROUTE 1/2" CW TO TRAP PRIMER 'TP-A' WITH 1/2" TP LINE TO HUB DRAIN
- 6 2" V UP TO AIR ADMITTANCE VALVE 'AAV-1', FIELD COORDINATE EXACT LOCATION WITH EQUIPMENT TO BE INSTALLED
- 7 1/2" CW & 1/2" HW DN 8 3/4" CW & 3/4" HW DN
- 9 1/2" CW & 1/2" 140°HW TO FIXTURE, PROVIDE MIXING VALVE 'MV-1' TO TEMPER HW TO 110°
- 10 3/4" CW & 3/4" 140°HW TO WATER HEATER INSTALLATION, SEE DETAIL (11) 2" V A/C & CONNECT TO EXISTING VENT PIPING. FIELD VERIFY EXACT

LOCATION PRIOR TO COMMENCING WORK. PROVIDE NEW VENT

THROUGH ROOF AS NECESSARY. 12 DISCONNECT EXISTING GAS RANGE. CAP UNUSED PIPING BELOW FLOOR, IN WALL, OR ABOVE CEILING AS APPLICABLE.



— architectural design group —

3330 Preston Ridge RD. Suite 380



	j	Ω .	26 DA							
PR	PRINT RECORD									
No.	DATE	DE	SCRIPTION							
	11/07/2018	PERMIT	DOCUMENT							
Dra	awn By	С	hecked By							

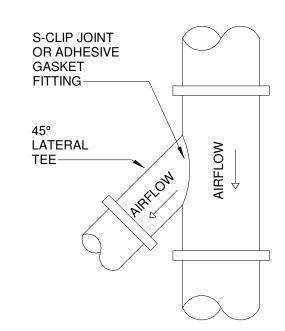
awn By	Checked By
	MR
ite	Job No.
07/2018	18011DG
neet Title	

FLOOR PLAN

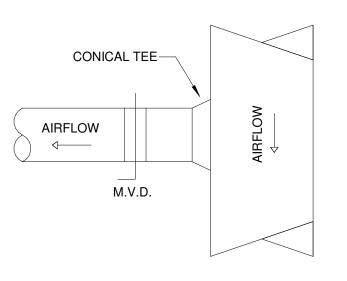
Sheet No.

P-1.02 RELEASED FOR CONSTRUCTION

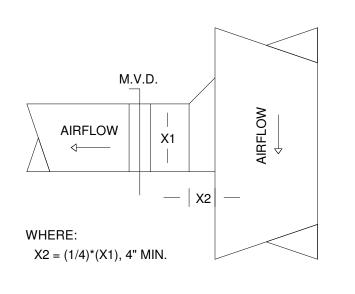




ROUND - ROUND

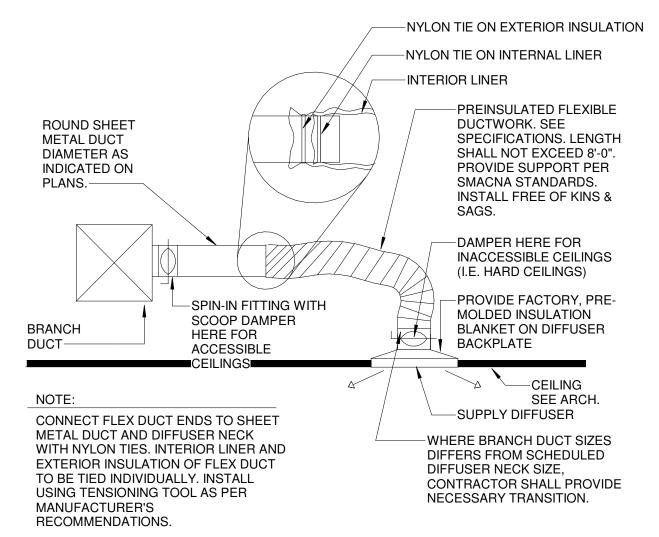


RECTANGULAR - ROUND

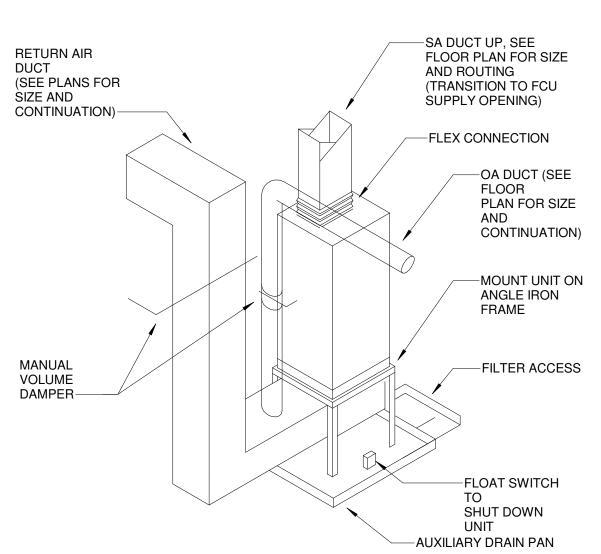


RECTANGULAR - RECTANGULAR





DIFFUSER TAKE-OFF
M-0.01 N.T.S.

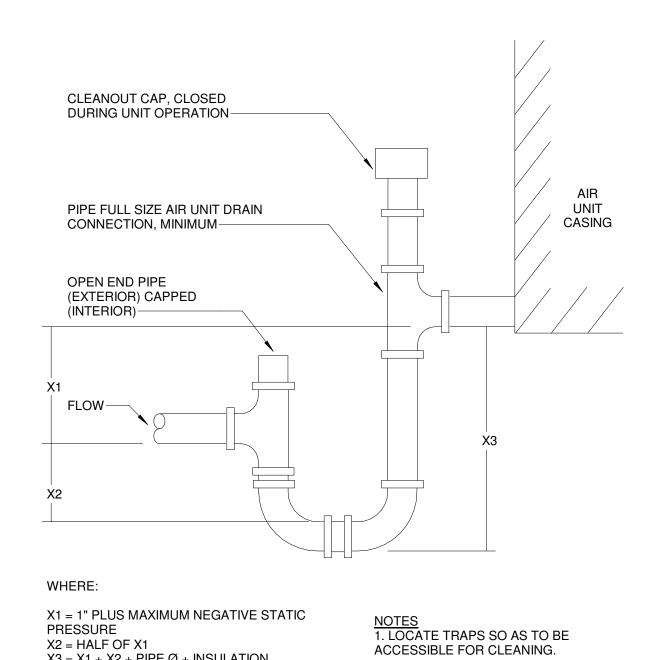


NOTE:
ROUTE PRIMARY CONDENSATE TO HUB DRAIN, SEE PLMB. DWGS.

VERTICAL FAN COIL UNIT WITH DUCTED RETURN N.T.S.



LEGEND	
SYMBOLS	DESCRIPTION
X1 _X2	DIFFUSER, GRILLE, REGISTER OR LOUVER TAG X1 = TYPE, X2 = CFM
	POSITIVE PRESSURE (AIR GOES OUT) DIFFUSER OR REGISTER, 4 WAY
	AIR PATTERN (UNLESS OTHERWISE NOTED) NEGATIVE PRESSURE (AIR GOES IN) GRILLE
<u> </u>	POSITIVE PRESSURE AIRFLOW (TYP. SUPPLY)
- √	NEGATIVE PRESSURE AIRFLOW (TYP. RETURN/EXHAUST)
111111	FLEXIBLE DUCT
Γ	MANUAL VOLUME DAMPER (MVD)
FD	VERTICAL (TYP. WALL) FIRE DAMPER
FSD	VERTICAL (TYP. WALL) COMBINATION FIRE/SMOKE DAMPER
FD	HORIZONTAL (TYP. FLOOR/CEILING) FIRE DAMPER
FSD	HORIZONTAL (TYP. FLOOR/CEILING) COMBINATION FIRE/SMOKE DAMPER
	THERMOSTAT
H	HUMIDISTAT
	INTERNALLY LINED DUCT
	DUCT UP
	DUCT UP
	DUCT DN
	SUPPLY DUCT
UNIT	EQUIPMENT TYPE EQUIPMENT NUMBER. WHERE A LETTER IS USED, THERE ARE MULTIPLE INSTANCES.



X2 = HALF OF X1 X3 = X1 + X2 + PIPE Ø + INSULATION

4 CONDENSATE TRAP
M-0.01 N.T.S.







NOISI

-	<u> </u>	Ω	26(DA
R	INT REC	ORD	
).	DATE	DE	SCRIPTION
	11/07/2018	PERMI	T DOCUMENT

awn By	Checked By
_	JD
ite	Job No.
07/2018	18011DG
neet Title	

GENERAL

Sheet No.

M-0.01

RELEASED FOR CONSTRUCTION

11/6/2018 11:10:55 AM

SYMBOL	MODEL/	SERVES	SIZE	MIN FREE AREA	CFM	MAX PRESS. DROP	OPERATOR	INTERLOCK	FRAME		RE	MAR	KS	
	SERIES		WxH (IN)	(SQ FT)		(IN WC)				1	2	3	4	5
WL-1	ESD-635	FCU-1,2 OUTSIDE AIR	24x18	1.1	565	0.05	N/A	N/A	ALUMINUM	Х	X	Х	Х	

NOTES (APPLY TO ALL):

A. FINAL COLOR SELECTION SHALL BE MADE BY ARCHITECT AT TIME OF SHOP DRAWING APPROVAL. PROVIDE COLOR/FINISH CHARTS AS PART OF SUBMITTAL. B. DESIGN IS BASED ON PRODUCTS BY GREENHECK. ACCEPTABLE ALTERNATES SHALL BE BY UNITED ENERTECH, ARROW, RUSKIN.

5 5 5

4

8"x8"

100 CFM (TYP. 6)

REMARKS (APPLY AS SCHEDULED):

1. BIRD SCREEN

2. BAKED ON ENAMEL FINISH. 3. GRAVITY BACKDRAFT DAMPER.

4. INSULATED PLENUM, MINIMUM 24" DEEP, FULL SIZE OF LOUVER CONNECTION.

DIFFUSER, GRILLE AND REGISTER SCHEDULE

CAL	LOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	NOISE CRITERIA AT MAX CFM	MODEL
R	C1212	EGGCRATE GRILLE	12x12	12x12	25	TITUS 50F
R	C2424	EGGCRATE GRILLE			25	TITUS 50F
RS	S1212	EGGCRATE GRILLE	12x12	12x12	25	TITUS 50F
SO	C1206	DOUBLE DEFLECTION SUPPLY	14x8	12x6	25	TITUS 300FS
S	CL06	LOUVERED FACE SUPPLY	24x24	6Ø	25	TITUS TMS
S	CL08	LOUVERED FACE SUPPLY	24x24	8Ø	25	TITUS TMS
S	CP06	PLAQUE SUPPLY	24x24	6Ø	25	TITUS OMNI
SS	S0804	DOUBLE DEFLECTION SUPPLY	10x6	8x4	25	TITUS 300FS

A. AIR DEVICE (I.E. DIFFUSERS, REGISTERS AND GRILLES) COLOR SELECTION SHALL BE MADE BY ARCHITECT. CONTRACTOR SHALL SUBMIT COLOR/FINISH CHARTS FOR ARCHITECTURAL REVIEW AND SELECTION. B. THE CONTRACTOR SHALL COORDINATE AIR DEVICE FRAME AND/OR SUSPENSION TYPE WITH THE ARCHITECTURAL REFLECTED CEILING

SPLIT DIRECT EXPANSION (DX) EQUIPMENT

				INDOO	R UNIT					OUTDOOR U	INIT			COME	BINED COO	LING CAPA	CITIES							
		TOTAL				AUXILIARY		BASIS			BASIS	NOMINAL				COOLIN	G				Rf	EMARK	(S	
MARK	SERVES	S.A	O.A	E.S.P.	MOTOR	HEATER	WEIGHT	OF	MIN.	WEIGHT	OF	TONNAGE	TOTAL	SENS	LAT	Ent. Tdb	Ent. Twb	Lvg. Tdb	Lvg. Twb					
		(CFM)	(CFM)	(IN WG)	(hp)	(kW @ 208v)	(LBS)	DESIGN	SEER	(LBS)	DESIGN	(TONS)	(MBH)	(MBH)	(MBH)	(°F)	(°F)	(°F)	(°F)	1 2	3 4	4 5	6	7 8
FCU-1 / CU-1	ACTIVITY	1,990	200	0.50	3/4	11.3	201.0	FX4DNB061	14.5	197.0	24ACC460	5.0	58.4	43.3	15.1	76.9	65.1	56.0	55.0	хх	X Z	х	х	x x
FCU-2 / CU-2	CONFERENCE / WORKOUT	1,600	365	0.50	1/2	11.3	182.0	FY5BNF0428	14.5	182.0	24ACC448	4.0	49.7	37.0	12.7	79.3	66.5	57.0	56.0	хх	X Z	хх	х	х
FCU-3 / CU-3	BASEMENT	600	0	0.50	1/6	3.8	117.0	FY5BNF018	14.0	122.0	24ACC418	1.5	17.2	12.6	4.6	75.0	64.0	55.0	54.0	x x	X Z	хх	Х	х

NOTES (APPLY TO ALL):

A. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.

B. SUBMITTED UNIT CAPACITIES SHOULD BE WITHIN +/-10% OF SCHEDULED CAPACITIES.

C. BASIS OF DESIGN: CARRIER. REFER TO SPECIFICATIONS.

LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN.

ACCEPTABLE ALTERNATES: JCI/YORK, TRANE, DAIKIN/MCQUAY, LENNOX

D. ALL EVAPORATORS AND COOLING COILS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH

AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT OPON DETECTION OF WATER IN THE AUXILIARY DRAIN PAN.

E. AS AN ALTERNATIVE TO THE AUXILIARY CONDENSATE DRAIN PAN, AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN

THE UNIT UPON DETECTION OF WATER MAY BE INSTALLED IN THE PRIMARY DRAIN LINE, THE OVERFLOW DRAIN LINE OR THE EQUIPMENT SUPPLIED DRAIN PAN. THE WATER LEVEL DETECTOR SHALL BE LOCATED AT A POINT HIGHER THAN THE PRIMARY DRAIN

REMARKS (APPLY AS SCHEDULED):

1. PROGRAMMABLE THERMOSTAT 2. LOW AMBIENT PACKAGE.

3. DISPOSABLE FILTER.

4. ANTI-SHORT CYCLE TIMER.

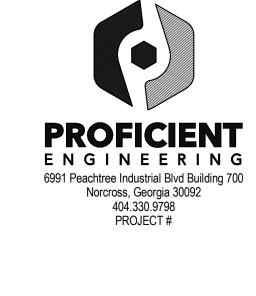
5. INDOOR FAN DELAY KIT.

6. DISCONNECT SWITCH PROVIDED BY THE ELECTRICAL SUBCONTRACTOR AT BOTH THE INDOOR AND OUTDOOR UNIT. REFER TO THE ELECTRICAL DOCUMENTS.

7. MOUNT OUTDOOR CONDENSING UNIT ON CONCRETE HOUSEKEEPING PAD. PAD SHALL BE A MINIMUM 4" THICK AND SHALL

EXTEND 6" BEYOND UNIT ON ALL SIDES. 8. PROVIDE AIR PURIFICATION BAR EQUAL TO GPS-IMOD AT THE FULL WIDTH OF THE COOLING COIL. MOUNT THE BAR AT THE TOP OF THE COIL

AFTER THE FILTER AND POWER IT FROM THE 24 VOLT CONTROL CIRCUIT.



3330 Preston Ridge RD. Suite 380 Alphretta, GA 30005

PRINT RECORD DESCRIPTION No. DATE 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By Job No. 18011DG **Sheet Title**

FLOOR PLAN

Sheet No.

M-1.01

RELEASED FOR CONSTRUCTION

GENERAL NOTES

A. EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OF DETAIL FOR ADDITIONAL INFORMATION.

B. DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC SHALL BE PROVIDED AND

INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER. HVAC EXISTING TO REMAIN UNLESS NOTED OTHERWISE. SERVICE AND RESTORE EXISTING ALL HVAC EQUIPMENT (SPLIT SYSTEMS, FANS, ETC) TO GOOD WORKING ORDER.

D. RELOCATION OF EXISTING CONDENSING UNITS SHALL OCCUR DURING UNOCCUPIED HOURS. COORDINATE WITH BUILDING OWNERSHIP PRIOR TO COMMENCING.

TRAP AND ROUTE 1" INSULATED CONDENSATE LINES FROM EACH FAN COIL UNIT TO SPLASH BLOCK ON GRADE.

PROVIDE NEW THERMOSTATS WITH CLEAR COVER LOCK BOX.

G. FIRST FLOOR DUCTWORK ROUTED THROUGH PRE ENGINEERED ROOF TRUSSES. COORDINATE DUCTWORK WITH TRUSS MANUFACTURER

PRIOR TO ORDERING, FABRICATING, OR INSTALLING DUCTWORK.

KEYNOTES

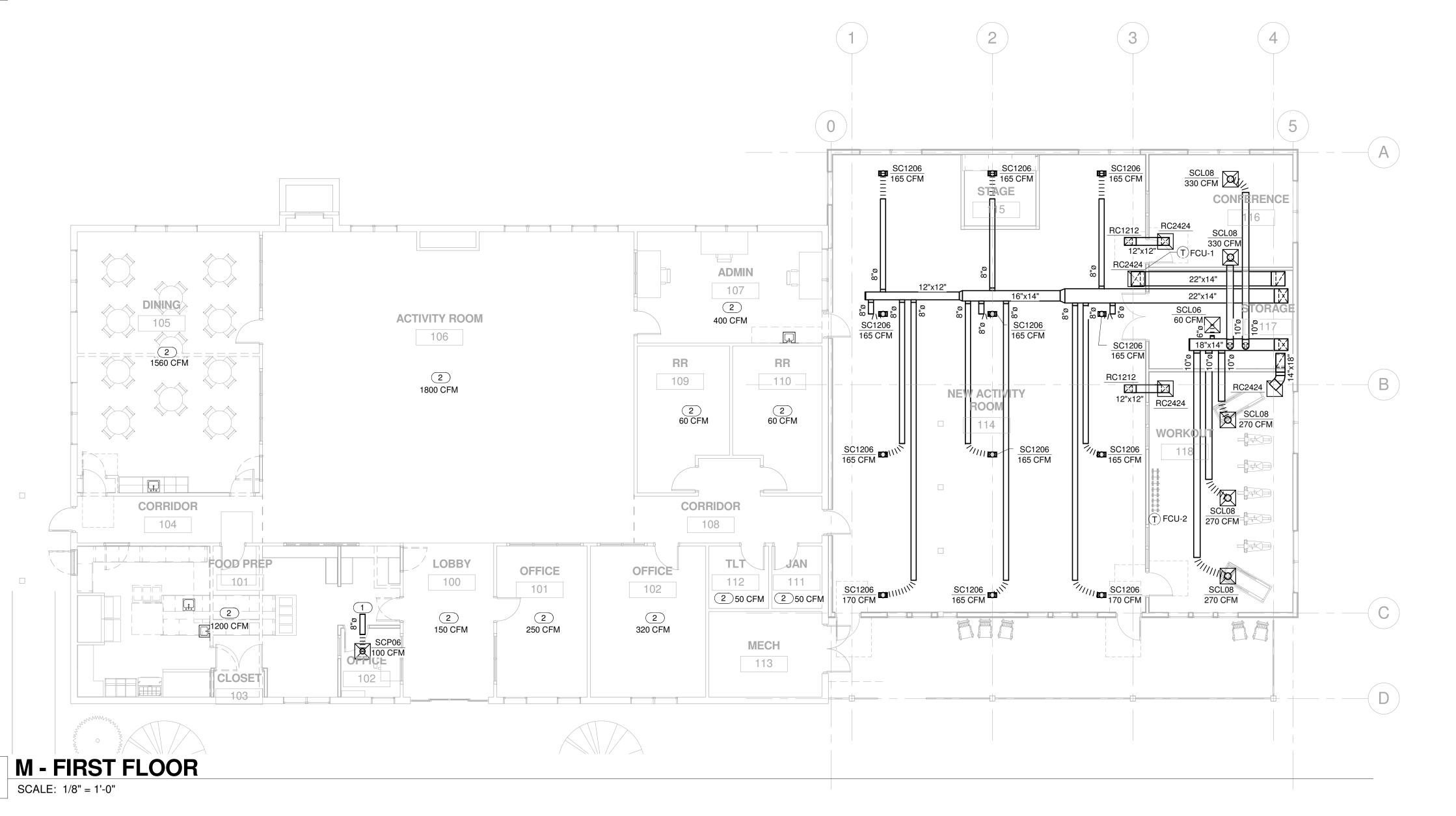
1 TIE NEW SUPPLY AIR BRANCH DUCT INTO NEAREST EXISTING SUPPLY AIR TRUNK DUCT.

EXISTING DIFFUSERS IN THIS AREA TO REMAIN. CLEAN TO PROVIDE LIKE NEW APPEARANCE. BALANCE EXISTING DIFFUSERS IN THIS AREA TO TOTAL CFM AS INDICATED.

3 EXISTING OUTDOOR CONDENSING UNITS/ HEAT PUMPS TO BE RELOCATED TO THIS FINAL LOCATION AS SHOWN. 4 EXISTING OUTDOOR CONDENSING UNIT/HEAT PUMP LOCATIONS.

5 EXISTING OUTDOOR CONDENSING UNIT/HEAT PUMP TO BE TEMPORARILY RELOCATED TO LOCATION SHOWN UNTIL SITE WORK IS COMPLETE TO WHERE IT CAN BE RELOCATED TO THE FINAL LOCATION.

2 M - BASEMENT
SCALE: 1/16" = 1'-0"





ELECTRICAL GENERAL NOTES

SHUTDOWN AND FIRE ALARM SIGNAL INITIATION.

AND DIMENSIONS.

CEILING PLAN. TYPICAL.

ELECTRICAL SERVICE.

READY ACCESSIBILITY.

SHALL BE A MINIMUM OF 8" APART.

THE DESIGN OF THIS SET OF DOCUMENT IS BASED ON NEC 2017.

ELECTRICAL CONTRACTOR SHALL REFER TO ALL OTHER DESIGN DRAWINGS PRIOR TO BID AND RETAIN FULL UNDERSTANDING OF THE SCOPE OF WORK.

FIXTURE TYPE INDICATED BY UPPER CASE CHARACTERS, SWITCHING AND GROUPING DESIGNATED BY LOWER CASE LETTER AND CIRCUIT BY NUMBER (WHERE APPLICABLE).

REFER TO THE ARCHITECTURAL/INTERIORS REFLECTED CEILING PLANS FOR EXACT

FIXTURE PLACEMENT AND DIMENSIONS.

REFER TO THE ARCHITECTURAL/INTERIORS DOCUMENTS FOR ACTUAL DEVICE LOCATIONS

COORDINATE THE INSTALLATION OF ALL CEILING MOUNTED DEVICES (FIRE ALARM SYSTEM DEVICES AND SPEAKERS, SOUND SYSTEM SPEAKER, ETC.) TO BE SYMMETRICAL ABOUT LIGHT FIXTURES AND SPRINKLER HEADS. REFER TO THE ARCHITECTURAL REFLECTED

ALL MOUNTING OF EQUIPMENT IS AS SHOWN UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECT THE COLOR/FINISHES OF ALL ELECTRICAL DEVICES, OUTLETS, COVERPLATES AND TRIM.

REFER TO MECHANICAL DRAWINGS FOR DUCT SMOKE DETECTOR LOCATIONS AND QUANTITIES OPERATION SHALL INCLUDE DUAL CONTACT BASE WITH LOCAL EQUIPMENT

WHEN CONDUCTOR OR CONDUIT SIZE IS INDICATED FOR BRANCH CIRCUIT HOME RUN, THE CONDUCTOR AND CONDUIT SIZE INDICATED SHALL BE USED FOR THE COMPLETE CIRCUIT.

REFER TO THE APPROPRIATE DRAWINGS FOR THE EXACT LOCATION AND REQUIREMENTS

EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL RACEWAYS.

WALL SWITCHES CONTROLLING CIRCUITS OF OPPOSITE PHASES SHALL NOT BE INSTALLED IN COMMON BOX UNLESS PERMANENT BARRIER IS PROVIDED.

OF EQUIPMENT INSTALLED UNDER OTHER DIVISIONS OF THE DOCUMENTS, WHICH REQUIRE

ALL HOME RUNS SHALL RUN PARALLEL TO STRUCTURE AS MUCH AS POSSIBLE WHERE CEILING IS EXPOSED.

ALL RACEWAY AND EQUIPMENT SUPPORTS AND HANGERS SHALL BE FULLY COORDINATED WITH STRUCTURAL DRAWINGS TO INSURE LOCATION OF SAME OCCURS WITHIN FOUR (4)

INCHES OF PANEL POINT ON BAR JOISTS.

COORDINATE LOCATION OF ALL FLOOR MOUNTED MECHANICAL AND PLUMBING EQUIPMENT IN ORDER TO VERIFY POWER & CONTROL RACEWAY CONCEALED IN SLABS TERMINATED AT

PROPER LOCATION.

DISCONNECT SWITCHES, MOTOR STARTERS AND OTHER ELECTRICAL EQUIPMENT INSTALLED ABOVE ACCESSIBLE CEILINGS, AND REQUIRING ACCESS FOR MAINTENANCE, SHALL BE INSTALLED WITH BOTTOM OF DEVICE ONE (1) FOOT ABOVE CEILING TO PROVIDE

MECHANICAL, PLUMBING, FIRE PROTECTION AND OTHER EQUIPMENT ARE SHOWN ON FLOOR PLAN IN APPROXIMATE LOCATION. COORDINATE WITH M, P, FP AND CONTRACT DRAWINGS/SUBMITTALS FOR EXACT LOCATION OF EQUIPMENT.

GENERAL DIAGRAMATIC RACEWAY INTERCONNECTIONS OF EQUIPMENT, FIXTURES AND DEVICES ARE INDICATED ON FLOOR AND REFLECTED CEILING PLANS, REFER TO STRUCTURAL AND ARCHITECTURAL PLANS FOR ELEVATION CHANGES AND RACEWAY ROUTES.

RACEWAY FOR EXTERIOR LIGHTING MAY BE INDICATED OUTSIDE OF BUILDING FOOTPRINT FOR CLARITY. ROUTE ALL EXTERIOR LIGHTING RACEWAY WITHIN BUILDING STRUCTURE.

POWER AND COMMUNICATIONS/DATA CONDUITS CAN CROSS AT 90°, BUT WHERE PARALLEL,

TELEVISION AND RADIO ANTENNAS CABLES SHALL HAVE SURGE PROTECTION. GROUND ALL MASTS

PROVIDE SURGE PROTECTION FOR ELECTRICAL AND TELEPHONE SERVICES.

PROVIDE TVSS FOR FIRE ALARM CONTROL PANEL.

FIELD COORDINATE MECHANICAL AND PLUMBING EQUIPMENT ELECTRICAL

CHARACTERISTICS WITH MECHANICAL AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
ADJUST ELECTRICAL CONNECTIONS IF NECESSARY TO MATCH ACTUAL EQUIPMENT IN FIELD.
FOR EXAMPLE, COORDINATE THE NAMEPLATE OVERCURRENT PROTECTION DEVICE RATING
OF MECHANICAL EQUIPMENT AMONG MECHANICAL AND ELECTRICAL SUBCONTRACTORS.
ADJUST CIRCUIT BREAKER TO MATCH NAMEPLATE RATING OF EQUIPMENT AT NO
ADDITIONAL COST.

FIELD COORDINATE MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS FOR ANY SUPPLEMENTAL POWER REQUIREMENTS, INCLUDING BUT NOT LIMITED TO CONTROL CIRCUITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ALL EQUIPMENT TO ITS INTENDED OPERATIONAL STATUS.

EACH PENETRATION OF A FIRE RESISTANT RATED ASSYMBLY BY A PIPE, TUBE WIRE OR CONDUIT SHALL BE PROTECTED BY A THROUGH PENETRATION FIRE STOP SYSTEM THAT HAS BEEN TESTED ACCORDING TO ASTME 814 OR E199.

ELECTRIC RECEPTACLES, SWITCHES, OUTLETS, ETC. SHALL NOT BE INSTALLED BACK TO BACK ON FIRE RESISTANCE RATED WALLS. THEY SHALL BE AT LEAST 24-INCHES APART.

LIGHT SWITCHES AND ELECTRICAL OUTLETS, LOCATED IN ROOMS ACCESSIBLE TO THE DISABLED SHALL BE LOCATED NO HIGHER THAN 48 INCHES AND NO LOWER THAN 15 INCHES ABOVE THE FINISHED FLOOR SURFACE. IF THE REACH OR THE CONTROL IS OVER AN OBSTRUCTION, THE MINIMUM HEIGHT SHALL BE REACHED TO 44 INCHES FOR A FORWARD APPROACH OR 46 INCHES FOR A SIDE APPROACH.

REFER TO LOW VOLTAGE CONSULTANT'S DRAWINGS FOR VOICE, DATA AND CATV OUTLET REQUIREMENTS. REFER TO LV CONSULTANT'S DRAWINGS FOR ANY ADDITIONAL INFORMATION.

ELECTRICAL BOXES INSTALLED IN FIRE RATED WALLS SHALL MAINTAIN THE INTEGRITY OF THE RATED WALL.

SUPPORT ALL VERTICAL RACEWAY PER NEC TABLE 300.19(A).

MAKE ELECTRICAL CONNECTIONS TO ELECTRIC WATER COOLERS FROM GFCI PROTECTED OUTLET IN WALL BEHIND COOLER HOUSING. THE OUTLET AND CORD SHALL NOT BE VISIBLE FROM PUBLIC VIEW.

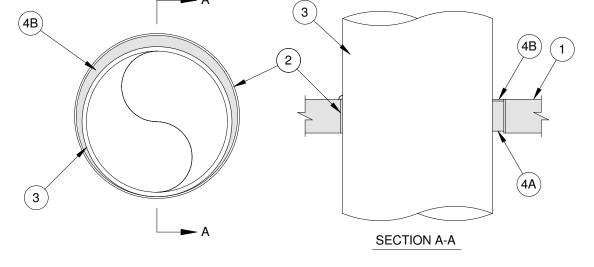
COORDINATE WITH CUTSHEETS OF ALL EQUIPMENT TO BE INSTALLED AND PROVIDE ADDITIONAL CIRCUITS FOR CONTROLS IF REQUIRED BY MANUFACTURER.

FINAL COLOR, FINISH AND OTHER AESTHETIC PORTIONS OF ALL DEVICES SHALL BE COORDINATED WITH ARCHITECT OR OWNER'S REPRESENTATIVE. THIS SET OF DRAWINGS DOES NOT SUPERCEDE ARCHITECTURAL OR INTERIOR DOCUMENTS.

ALL EXPOSED HORIZONTAL RUNS OF CONDUITS SHALL BE EITHER PARALLEL OR PERPENDICULAR TO EXTERIOR WALLS.

PROVIDE PLENUM RATED CABLES IF THE CABLES ARE EXPOSED AND ROUTED THROUGH PLENUM.

1& 2 HOUR CONCRETE WALL
PENETRATION DETAIL
NO SCALE



1. FLOOR OR WALL ASSEMBLY — MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIAM OF OPENING IS 32 IN.

2. METALLIC SLEEVE — (OPTIONAL) NOM 32 IN. DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY, FLUSH WITH FLOOR OR WALL SURFACES OR EXTENDING A MAX OF 3 IN. ABOVE FLOOR OR BEYOND BOTH SURFACES OF WALL.

2A. SHEET METAL SLEEVE — (OPTIONAL) MAX 6 IN. DIAM, MIN 26 GA GALV STEEL PROVIDED WITH A 26 GA GALV STEEL SQUARE FLANGE SPOT WELDED TO THE SLEEVE AT APPROX MID-HEIGHT, OR FLUSH WITH BOTTOM OF SLEEVE IN FLOORS, AND SIZED TO BE A MIN OF 2 IN. LARGER THAN THE SLEEVE DIAM. THE SLEEVE IS TO BE CAST IN PLACE AND MAY EXTEND A MAX OF 4 IN. BELOW THE BOTTOM OF THE DECK AND A MAX OF 1 IN. ABOVE THE TOP SURFACE OF THE CONCRETE

2B. SHEET METAL SLEEVE — (OPTIONAL) - MAX 12 IN. DIAM, MIN 24 GA GALV STEEL PROVIDED WITH A 24 GA GALV STEEL SQUARE FLANGE SPOT WELDED TO THE SLEEVE AT APPROX MID-HEIGHT, OR FLUSH WITH BOTTOM OF SLEEVE IN FLOORS, AND SIZED TO BE A MIN OF 2 IN. LARGER THAN THE SLEEVE DIAM. THE SLEEVE IS TO BE CAST IN PLACE AND MAY EXTEND A MAX OF 4 IN. BELOW THE BOTTOM OF THE DECK AND A MAX OF 1 IN. ABOVE THE TOP SURFACE OF THE CONCRETE

3. THROUGH-PENETRANT — ONE METALLIC PIPE, TUBE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PENETRANT AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1-7/8 IN. PENETRANT MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PENETRANT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF

METALLIC PENETRANTS MAY BE USED:

A. STEEL PIPE — NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

B. IRON PIPE — NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. COPPER PIPE — NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
D. COPPER TUBING — NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER

E. CONDUIT — NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT.
F. CONDUIT — NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT).

FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
 A. PACKING MATERIAL — MIN 4 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR SLEEVE OR

FROM BOTH SURFACES OF WALL OR SLEEVE AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

B. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR SLEEVE OR WITH BOTH SURFACES OF WALL OR SLEEVE. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PENETRANT AND CONCRETE OR SLEEVE, A MIN 1/4 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE OR SLEEVE/ PIPE PENETRANT INTERFACE ON THE

TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL.

1 & 2 HOUR GYB WALL/CEILING PENETRATION DETAIL

UL# WL-1175 NO SCALE

1B 3

SECTION A-A

1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL
ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER
SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION
DESIGNS IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE
FOLLOWING CONSTRUCTION FEATURES:

A. A. STUDS - WALL FRAMING SHALL CONSIST OF EITHER WOOD STUDS OR CHANNEL SHAPED STEEL STUDS. WOOD STUDS TO CONSIST OF 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE, FABRICATED FROM MIN 25 MSG GALVANIZED STEEL, SPACED MAX 24 IN.

B. B. WALLBOARD, GYPSUM - 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 13 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE - NOM 8 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE - NOM 8 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC

TUBING OR STEEL CONDUIT.

3. PIPE COVERING - NOM 2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) FIBERGLASS PIPE COVERING WITH AN ALL-SERVICE JACKET. PIPE COVERING MATERIAL TO BE MIN 9 IN. LONG AND INSTALLED ON PENETRANT TO EXTEND 2 IN. BEYOND BOTH SIDES OF WALL SURFACE. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP (SSL) TAPE. THE ANNULAR SPACE BETWEEN THE PIPE COVERING AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 3/8 IN. SEE PIPE AND EQUIPMENT COVERING-MATERIALS (BRGU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.

4. FILL, VOID OR CAVITY MATERIAL - SEALANT - IN 1 HR ASSEMBLIES, MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS FLUSH WITH BOTH SURFACES OF WALL. IN 2 HR ASSEMBLIES, MIN 1-1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS FLUSH WITH BOTH SURFACES OF WALL. FOR BOTH 1 AND 2 HR ASSEMBLIES, AT POINT CONTACT LOCATION BETWEEN INSULATION AND GYPSUM, A MIN 1/2 IN. BEAD OF FILL MATERIAL SHALL BE APPLIED ON BOTH SIDES OF WALL.



3330 Preston Ridge RD. Suite 380 Alphretta, GA 30005

ENGINEERING
6991 Peachtree Industrial Blvd Building 700
Norcross, Georgia 30092
404.330.9798
PROJECT#

N COUNTY SENIOR CENTE

3 🖁

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

Drawn By Checked By

Job No. 18011DG

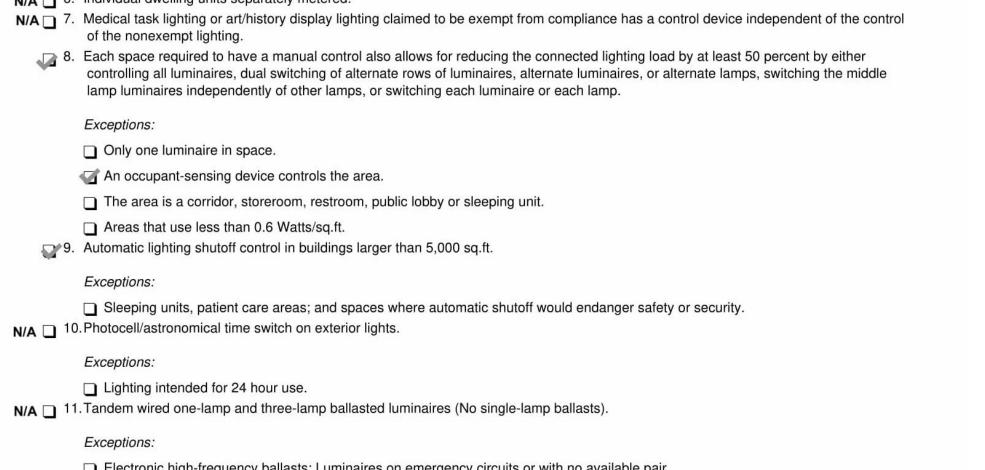
Sheet Title

Ob set No

Sheet No.

C-U.U I

GENERAL



Interior Lighting Compliance
Certificate

Section 1: Project Information

Energy Code: **2009 IECC**Project Title: LUMPKIN COUNTY SENIOR CENTER Project Type: Addition

Construction Site: Owner/Agent: Designer/Contractor: 266 MECHANICSVILLE RD.

DAHLONEGA, GA 30533

Section 2: Interior Lighting and Power Calculation

A	В	С	D
Area Category	Floor Area (ft2)	Allowed Watts / ft2	Allowed Watts (B x C)
No Room Specified (Gymnasium)	6492	1.1	7141
	To	tal Allowed Watts	= 7141

Section 3: Interior Lighting Fixture Schedule

A Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	(C X D)
No Room Specified (Gymnasium 6492 sq.ft.)				
LED: A: 2x4 LED RECESSED TROFFER: Other:	1	55	40	2200
LED: B: CEILING FAN: Other:	1	11	35	385
LED: S4: 4' LED STRIP: Other:	1	16	42	672
	Tot	tal Propose	ed Watts =	3257

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 54% better than code.

Lighting Wattage:

Total proposed watts must be less than or equal to total allowed watts.

Controls, Switching, and Wiring:

N/A _ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to

N/A _ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device. Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a

separate switch for general area lighting. 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

Areas designated as security or emergency areas that must be continuously illuminated.

Lighting in stairways or corridors that are elements of the means of egress.

Project Title: LUMPKIN COUNTY SENIOR CENTER Data filename: P:\118\118352 Senior Center Lumpkin Co GA\118352 COMCHECK.cck Page 1 of 2



EXISTING TRANSFORMER ON SITE M NEW METER (2)2"C, 3#3/0, #3/0N DSC. LB

	208Y/120V 3P 4W FRAME: 400 A FUSE: 400 A NEMA 3R DEMAND: 62.4 KVA AIC: 22,000
#1/0G (2)2"C	c, 3#3/0, #3/0N, #2G
	NEW PANEL LB 208Y/120V 3P 4W BUS: 400 A MAIN: MLO DEMAND: 62.4 KVA AIC: 22,000

	,		NOTE									
СКТ	CKT	LOAD					СКТ	CKT	LOAD			
#	BKR	KVA	CIRCUIT D	ESCRIPTI	ON		#	BKR	KVA	CIRCUIT	DESCRIPTION	NC
1	20/1	0.9	RECEPTAC	CLE		а	2	20/1	0.9	RECEPTA	CLE	
3	20/1	0.7	LIGHTING			b	4	20/1	1.1	RECEPTA	CLE	
5	20/1	0.4	RECEPTAC	CLE		С	6	20/1	0.7	RECEPTA	CLE	
7	20/1	0.2	RECEPTAC	CLE		a	8	20/1	8.0	LIGHTING	ì	
9	20/1	0.5	LIGHTING			b	10	20/1	0.3	LIGHTING	ì	
11	20/1	0.1	LIGHTING			С	12	20/1	0.0	SPACE		
13	20/1	0.0	SPACE			a	14	20/1	0.0	SPACE		
15	20/1	0.0	SPACE			b	16	20/1	0.0	SPACE		
17	20/1	0.0	SPACE			С	18	20/1	0.0	SPACE		
19	20/1	0.0	SPACE			a	20	20/1	0.0	SPACE		
21	20/1	0.0	SPACE			b	22	20/1	0.0	SPACE		
23	20/1	0.0	SPACE			С	24	20/1	0.0	SPACE		
25	20/1	0.0	SPACE			a	26	20/1	0.0	SPACE		
27	20/1	0.0	SPACE			b	28	20/1	0.0	SPACE		
29	80/2	15.9	FCU-1			С	30	20/1	0.0	SPACE		
31	1					a	32	40/2	5.7	CU-1		
33	50/3	17.2	FCU-2			b	34	1				
35	1					c	36	35/2	4.3	CU-2		
37	i					a	38	1	1.0	002		
39	30/2	5.4	FCU-3			b	40	20/2	2.4	CU-3		
41			. 55 5			С	42					
			ONN. KVA	CALC. K	\/A					CONN. KVA	CALC. K	\/A
	1 7 11.10					_			_			
	HTING		2.4	3.0	(125%)			INUOUS		0.0	0.0	(125%
	RGEST MC		7.2	21.5	(125%)		HEAT			0.0	0.0	(100%
	HER MOTO		3.8	33.8	(100%)			CONTINUO		0.0	0.0	(100%
REC	CEPTACLE	ES 4	.1	4.1	(50%>10)			HEN EQUI		0.0	0.0	(N/A)
								COIN/DIVE	ERSE _	0.0	0.0	(N/A)
							-	L KVA		57.5	62.4	
						Е	BALA	NCED TH	REE PH	ASE AMPS	173.2	
	PHA	SE BALA	NCE PERCE	NT: PHAS	EA 113	3%		PHAS	EB 77	7.5%	PHASE C	109%

BUS AMPS 400

AIC 22,000

MAIN BKR MLO

LUGS STANDARD

0515						
GENE	RAL SC	HEDULE				
CALLOUT	SYMBOL	VOLTS	KVA	CIRCUIT	WIRE CALLOUT	DISCONNECT DESCRIPTION
CU-1		208/120V 2P 3W	5.72	LB-32,34	3/4"C,2#8,#8N,#10G	60A/2P/NEMA 3R
CU-2		208/120V 2P 3W	4.35	LB-36,38	3/4"C,2#8,#8N,#10G	60A/2P/NEMA 3R
CU-3	87	208/120V 2P 3W	2.43	LB-40,42	1/2"C,2#12,#12N,#12G	30A/2P/NEMA 3R
FCU-1		208/120V 2P 3W	15.87	LB-29,31	1-1/4"C,2#2,#2N,#8G	100A/2P/NEMA 1
FCU-2		208V 3P 4W	17.18	LB-33,35,37	1"C,3#6,#6N,#10G	60A/3P/NEMA 1
FCU-3		208/120V 2P 3W	5.41	LB-39,41	1/2"C,2#10,#10N,#10G	30A/2P/NEMA 1

MOUNTING SURFACE

FED FROM DSC. LB

LOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	VOLTS
		(1) 40W LED	2x4 LED RECESSED TROFFER	LITHONIA 2GTL-4-40L-EZ1	120V 1P 2W
		(1) 35W LED	CEILING FAN	TO BE DETERMINED	120V 1P 2W
	├	(1) 42W LED	4' LED STRIP	LITHONIA ZL1N-L48- 5000LM-FST-MVOLT-40K	120V 1P 2W
	[4	(2) 1.5W LED	EMERGENCY LIGHTING UNIT	LITHONIA ELM2-LED	120V 1P 2W
	4₽▶	(2) 1.5W LED	COMBINATION EXIT/EMERGENCY LIGHTING UNIT	LITHONIA LHQM-LED-R-HO	120V 1P 2W
	4,1	(1) INCLUDED	REMOTE LAMP HEAD	LITHONIA ELA-QWP-L0309-SD	120V 1P 2W







PRINT RECORD DESCRIPTION 11/07/2018 PERMIT DOCUMENT

Checked By Drawn By Job No. 18011DG

Sheet Title SCHEDULES AND ONE-LINE DIAGRAM

Sheet No.

E-0.02

RELEASED FOR CONSTRUCTION

Project Title: LUMPKIN COUNTY SENIOR CENTER Data filename: P:\118\118352 Senior Center Lumpkin Co GA\118352 COMCHECK.cck

N/A _ 5. Master switch at entry to hotel/motel guest room. N/A

6. Individual dwelling units separately metered.

Only one luminaire in space.

An occupant-sensing device controls the area.

9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Areas that use less than 0.6 Watts/sq.ft.

N/A 10.Photocell/astronomical time switch on exterior lights.

Lighting intended for 24 hour use.

Section 5: Compliance Statement

Exceptions:

Brian Armenta

Name - Title

lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

☐ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC

Signature

Jum Micen E

requirements in COMcheck Version 4.0.8.1 and to comply with the mandatory requirements in the Requirements Checklist.

☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

☐ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.

N/A 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Report date: 10/04/18 Page 2 of 2

10/04/2018

Report date: 10/04/18



FIRE ALARM DEVICES ON PLAN ARE SHOWN FOR PURPOSE OF REFERENCE ONLY. FIRE ALARM CONTRACTOR SHALL PRODUCE SHOP DRAWINGS DETAILING LOCATIONS, INTERCONNECTION OF DEVICES AND METHODS, BATTERY CALCULATION AND ETC. TO BE SUBMITTED FOR PERMIT REVIEW.

FIRE ALARM SHOP DRAWINGS SHALL BE PREPARED BY MINIMUM NICET LEVEL III OR IV CERTIFIED PERSONNEL, DEPENDING ON LOCAL JURISDICTION REQUIREMENTS.

CONTRACTOR SHALL COORDINATE WITH EXISTING FIRE ALARM SYSTEM IN OPERATION. ALL NEW FIRE ALARM NOTIFICATION AND ANNUNCIATION DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL.

GENERAL

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.

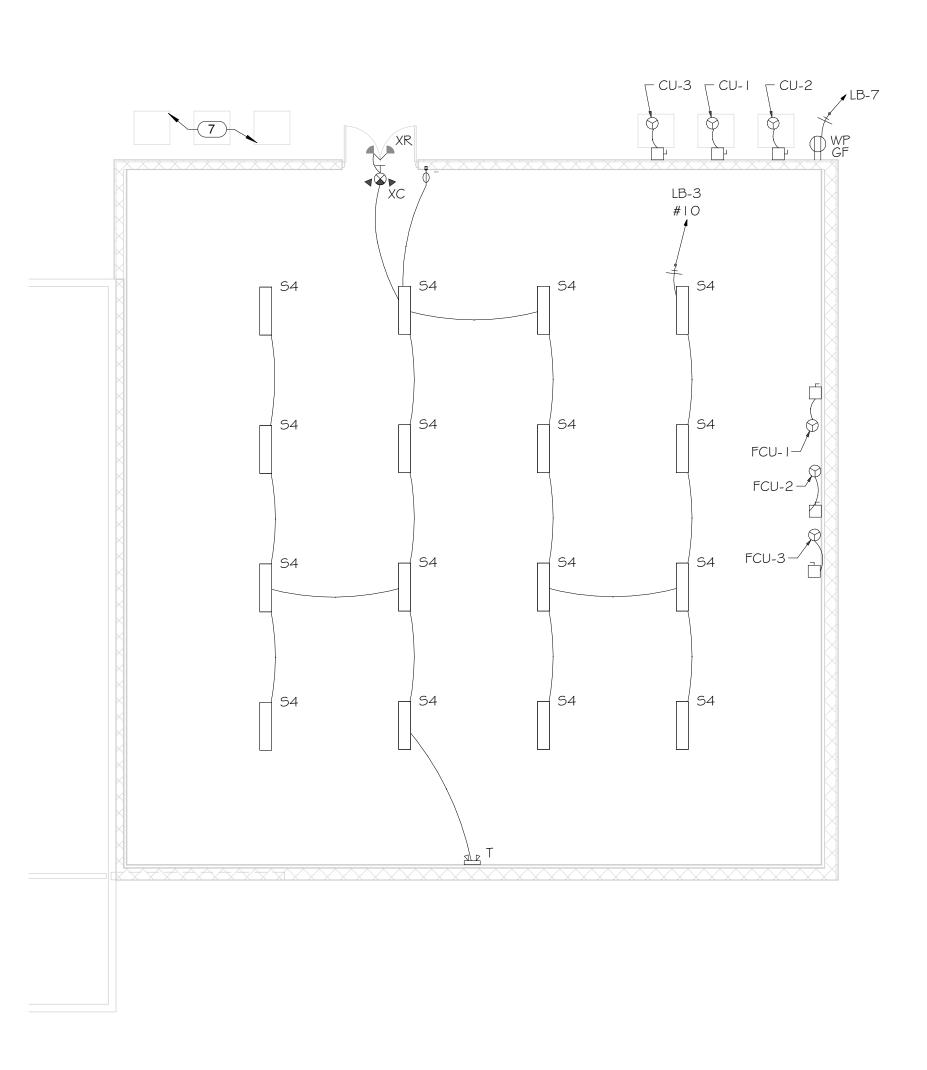
ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY ARTICLE

PROVIDE UNSWITCHED HOT LEG OF CIRCUIT TO EMERGENCY LIGHTING AND EXIT SIGNS.

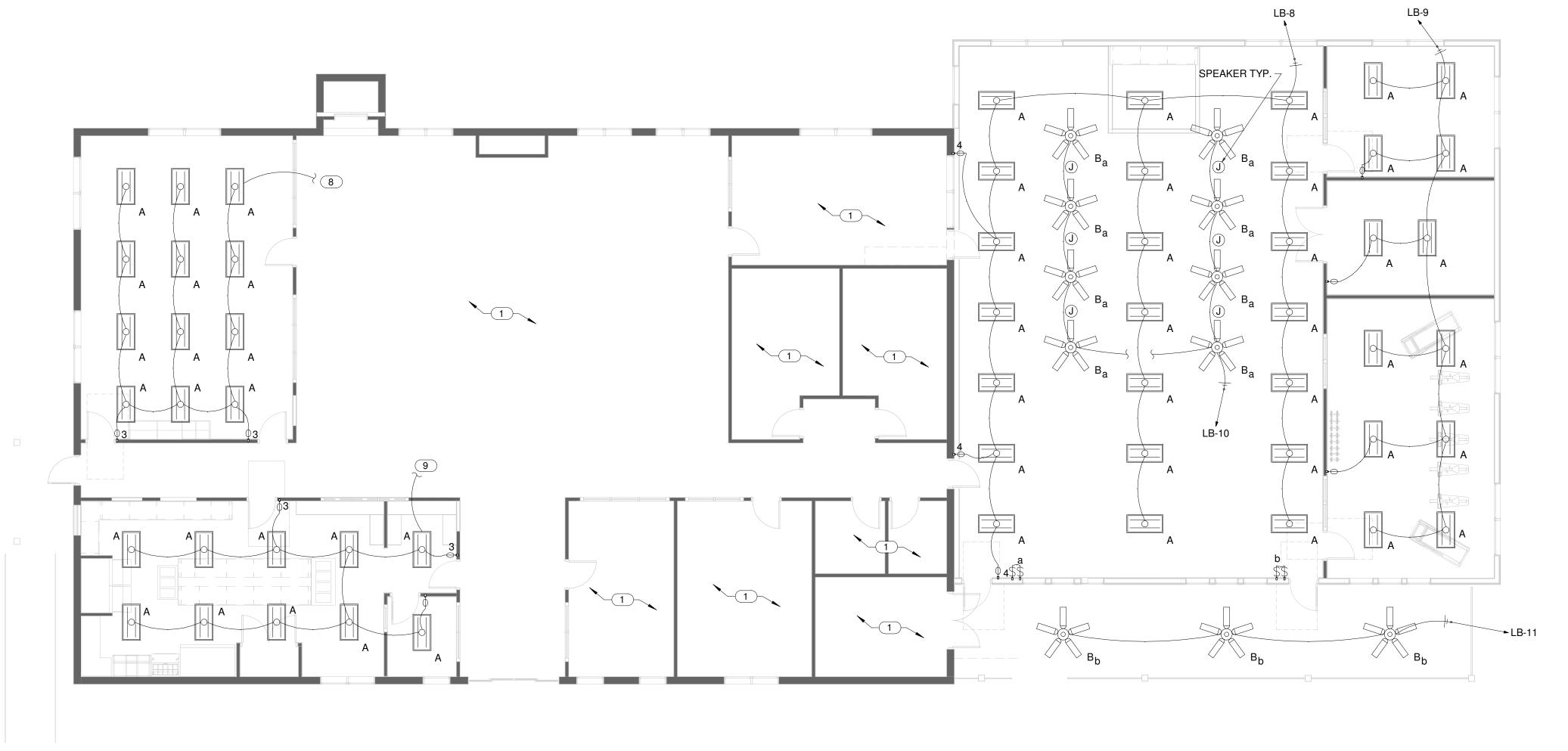
KEYNOTE

- EXISTING ELECTRICAL EQUIPMENT IN THIS AREA TO REMAIN
- 2 PROVIDE NEW METER AND DISCONNECT FOR NEW SERVICE.
- 3 NEW PANEL TO BE SURFACE MOUNTED.
- 4 EXISITNG CIRCUITS IN AREA ARE TO BE REUSED. COORDINATE LOCATION AND STATUS OF EXISTING CONDITIONS AND EXTEND CIRCUITS AS NECESSARY IN FIELD.
- 5 EXISTING RECEPTACLES TO REMAIN ON EXISTING WALLS.6 EXISTING KITCHEN EXHAUST HOOD IS TO BE DISCONNECTED.
- EXISTING KITCHEN EXTROSP THOOD IS TO BE DISCONNECTED.
- 7 EXISTING HVAC OUTDOOR UNITS ARE TO BE RELOCATED TO THIS AREA.
 HVAC OUTDOOR UNITS ARE TO MAINTAIN CIRCUITING. SEE MECHANICAL
 DRAWINGS FOR EXACT LOCATION.
- 8 LIGHTING FIXTURES IN AREA WILL BE ONE TO ONE REPLACEMENT. NEW FIXTURES WILL BE LOWER WATTAGE AND MORE EFFECIENT THAN EXISTING. LIGHTING FIXTURES TO MAINTAIN CIRCUITING TO EXISTING LIGHTING CIRCUIT IN AREA.

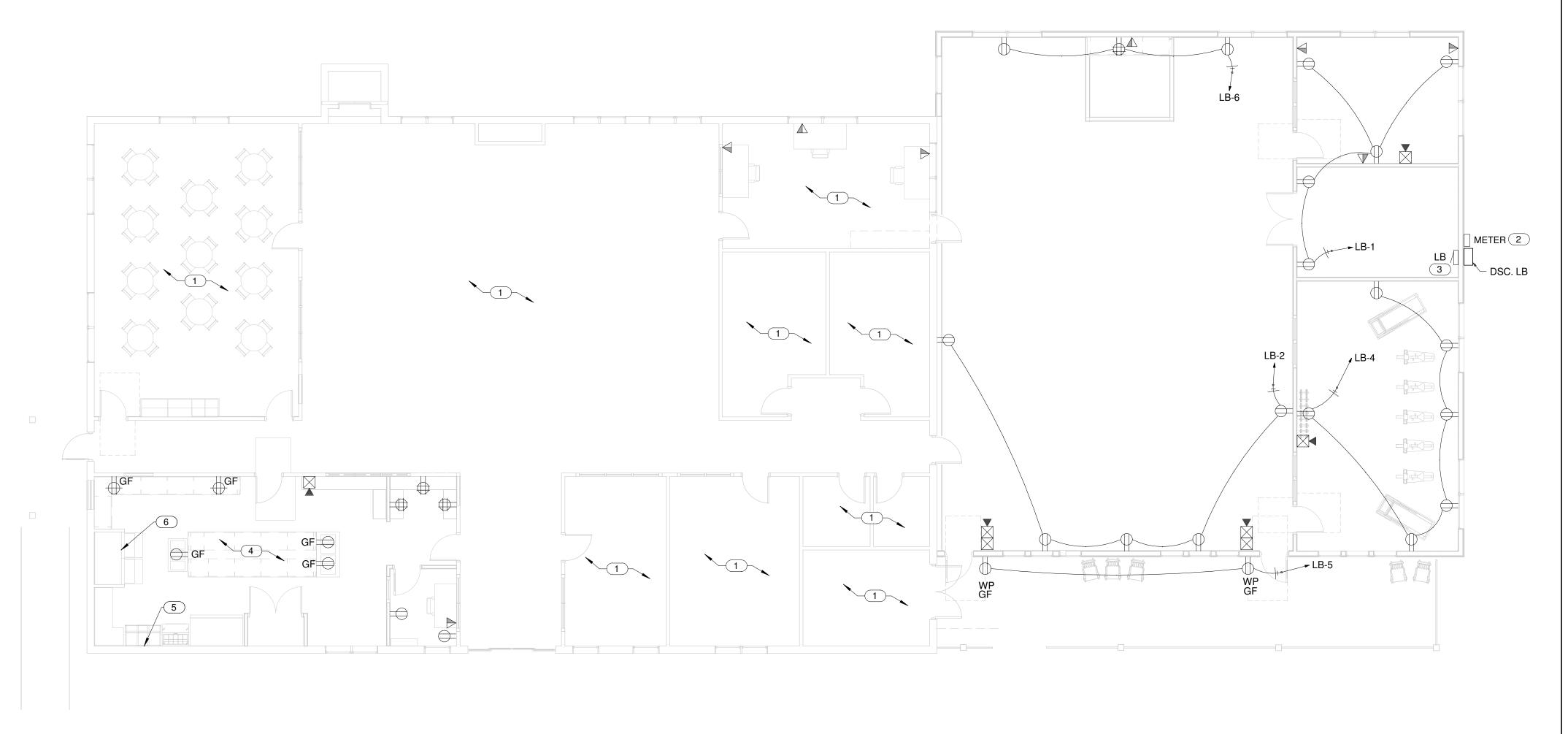
 9 LIGHTING FIXTURE LOCATIONS IN AREA TO BE COORDINATED WITH
- 9 LIGHTING FIXTURE LOCATIONS IN AREA TO BE COORDINATED WITH ARCHITECTURAL RCP. NEW FIXTURES WILL BE LOWER WATTAGE AND MORE EFFECIENT THAN EXISTING. LIGHTING FIXTURES TO BE CIRCUITED TO EXISITNG LIGHTING CIRCUIT IN AREA.



E - BASEMENT - POWER



2 E - FIRST FLOOR - LIGHTING
SCALE: 1/8" = 1'-0"



E - FIRST FLOOR - POWER

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

JERICHO
architectural design group

3330 Preston Ridge RD. Suite 380
Alphretta, GA 30005





JUNTY SENIOR CENTER

PANSION

MECHANICSVILLE RD.

HLONEGA, GA 30533

PRINT RECORD

No. DATE DESCRIPTION

11/07/2018 PERMIT DOCUMENT

Drawn By
AT
BA
Date
Job No.

FLOOR PLAN

Sheet No.

Sheet Title

E-1.01