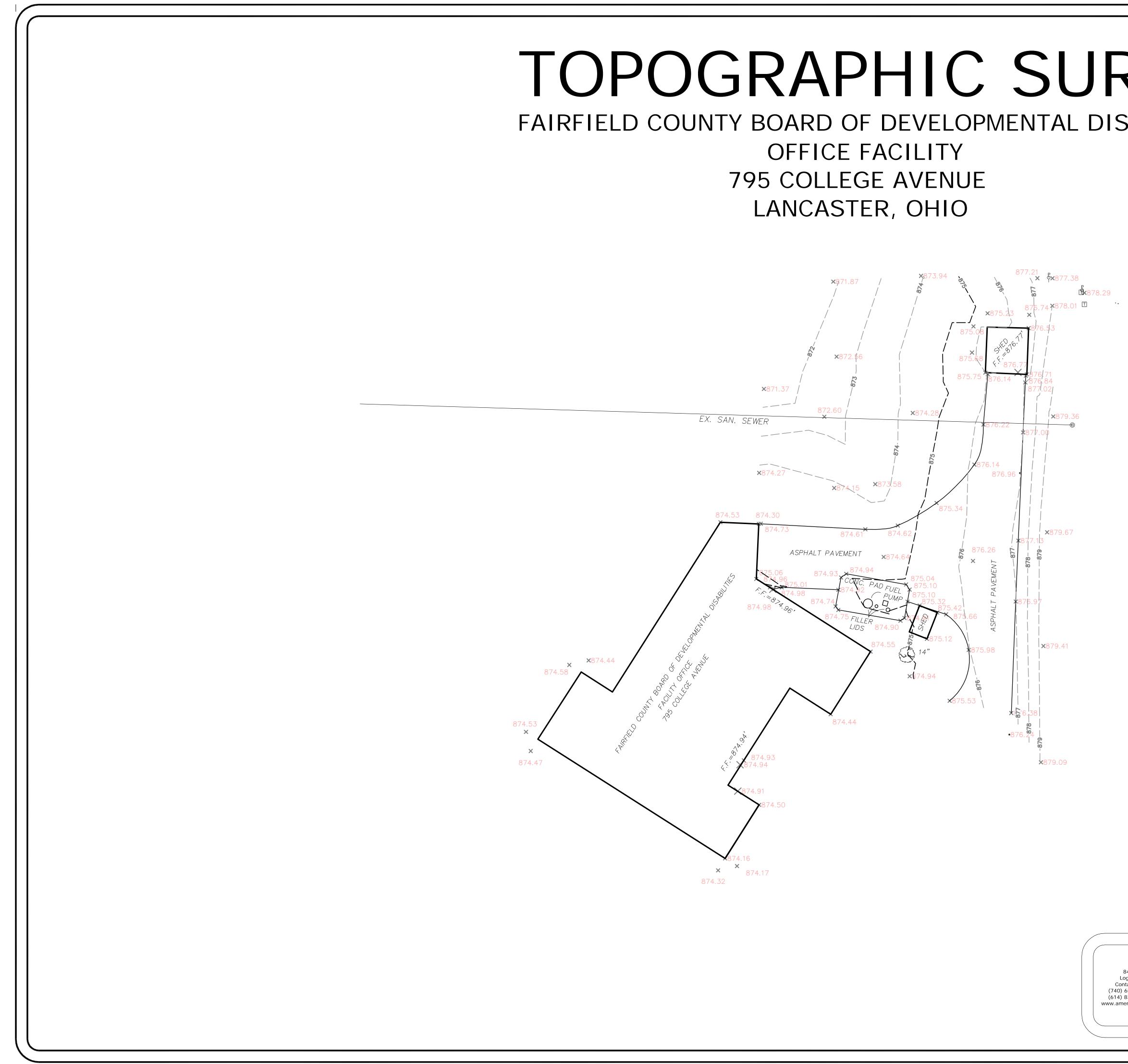
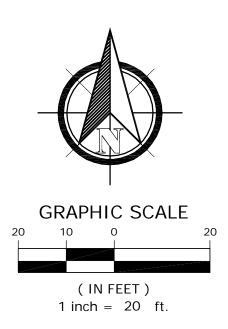


NISTRUCTION OF ASSIST	B S-I Designation		ALTERATION Occupant Load	COMMISSION NO. P2118 SHEET NO.: $T100$
DNSTRUCTION CLASSIFIC	II II Offices	· · · ·	13	INDEX OF DRAWINGS
MBER OF FLOORS: One LDING HEIGHT: 14'-(0" +/- Total	Meeting Room 843 sq. ft. 8,478 sq. ft.	56 129	T100 TITLE SHEET
RE SUPPRESSION	N SYSTEM First Fig EXISTING NEW Storag	oor - Maintenance Building ge 761 sq. ft.	4	1 of 1 TOPOGRAPHIC SURVEY C0.01 COVER SHEET
RE DETECTION S		ING FIXTURE REQUIREMENTS		C0.02 GENERAL NOTES C0.03 SITE DIMENSION PLAN
NOT APPLICABLE	FIXTU	E 2902.1 (2) Business and 2902.1 (8) Storage URE TYPE REQUIRED	PROVIDED	C0.04 STORM SEWER, GRADING AND SWP3 PLAN C100 ARCHITECTURAL SITE PLAN AND DETAILS
RUCTURAL DESI	Lav's Fer	ale and Male Per 50 3 male and Male Per 80 3		S0 GENERAL NOTES AND SCHEDULES S1 FOUNDATION AND FRAMING PLAN
n Bldg.: Wood Trusse	ts - 20 lbs./sq. ft. (Snow) Drinking F es - 20 lbs./sq. ft. (Snow) Service S	Sink I I		S1 FOUNDATION AND FRAMING PLAN S2 SECTIONS AND DETAILS S3 TYPICAL DETAIL
	Plumbing i Pete Slab-On-Grade 2902.3.2	Fixtures for Use Group S-1 in accordance OBC.	ce with OBC Section	HC100 ICC / ANSI A117.1 STANDARDS AND GENERAL INFORMATION
lbs. / sq. ft. Building: Concrete	: Slab-On-Grade			A100 ADMINISTRATION BUILDING - AS-BUILT FLOOR PLAN A100.1 ADMINISTRATION BUILDING - DEMOLITION FLOOR PLAN A100.2 ADMINISTRATION BUILDING - NEW WORK ELOOR PLAN
Ibs. / sq. ft. H.R.A.E. 90.1 COMPLIAN				 A100.2 ADMINISTRATION BUILDING - NEW WORK FLOOR PLAN A100.3 ADMINISTRATION BUILDING - ENLARGED NEW WORK FLOOR PLANS A101 ADMINISTRATION BUILDING - AS-BUILT ROOF PLAN
DITIONAL OBC INFORMA	ATION			A101 ADMINISTRATION BUILDING - AS-BUILT ROOF PLAN A101.1 ADMINISTRATION BUILDING - DEMOLITION ROOF PLAN A101.2 ADMINISTRATION BUILDING - NEW WORK ROOF PLAN
				A101.2 ADMINISTRATION BUILDING - NEW WORK ROOF PLAN A102 MAINTENANCE BUILDING - FOUNDATION AND FLOOR PLANS A102.1 MAINTENANCE BUILDING - ROOF FRAMING AND ROOF PLANS
				A200 ROOM FINISH SCHEDULE, DOOR SCHEDULE AND DETAILS A301 ADMINISTRATION BUILDING - TYPICAL SECTIONS
				A302 ADMINISTRATION BUILDING - DETAILS A303 MAINTENANCE BUILDING - TYPICAL SECTIONS
				A401 ADMINISTRATION BUILDING - EXTERIOR ELEVATIONSA402 MAINTENANCE BUILDING - EXTERIOR ELEVATIONS
	V OF I ANCASTED	- ZONING CLEARAN	ICE	A500 JOINT SEALANTS APPLICATION GUIDE GN-01 GENERAL NOTES DIVISION 00 THROUGH DIVISION 01
	CITY OF LANCASTER ~ P	PLANNING AND ZONING		GN-02 GENERAL NOTES DIVISION 01 THROUGH DIVISION 02GN-03 GENERAL NOTES DIVISION 03 THROUGH DIVISION 04
Ν		APPROVAL DATE: 2/	DITION	GN-04GENERAL NOTES DIVISION 04 THROUGH DIVISION 05GN-05GENERAL NOTES DIVISION 05 THROUGH DIVISION 07
Z PERTY OWNER	ZONING DATA Fairfield County Bd. of Commissioners	BUILDING DAT GROSS FLOOR AREA(S)		GN-06GENERAL NOTES DIVISION 07 THROUGH DIVISION 07GN-07GENERAL NOTES DIVISION 07 THROUGH DIVISION 08
ING CLASSIFICATION		Existing FCDD Office Building New Maintenance Building (Storage)	9,048 sq. ft. 864 sq. ft.	GN-08GENERAL NOTES DIVISION 08 THROUGH DIVISION 09GN-09GENERAL NOTES DIVISION 09 THROUGH DIVISION 11
	NA IOTE			GN-10GENERAL NOTES DIVISION 12 THROUGH DIVISION 22GN-11GENERAL NOTES DIVISION 23 THROUGH DIVISION 27
AL DESCRIPTION	R 18 T 15 S 30 053-38295-00			GN-12GENERAL NOTES DIVISION 27 THROUGH DIVISION 32GN-13GENERAL NOTES DIVISION 32 THROUGH DIVISION 33
	3rd Ward Outlying DD School, DD Offices and	BUILDING HEIGHT I5 ft. Existing Offi I5 ft. New Mainten		P001PLUMBING DETAILSP102NPLUMBING ROOF NEW WORK PLAN
RENT USE	Agricultural Center F.C.D.D. Administrative Offices	PARKING DAT 1151.09(b)(1) Existing Office Building: F	A Professional,	H001 HVAC DETAILS H101D HVAC FIRST FLOOR DEMO WORK PLAN
ENSIONS OF LOT	SITE DATA 2,074 ft. (avg.) x 867 ft. (avg.)	administrative and business: One (1) s S. F. of gross floor area.	space for each 400	H102D HVAC ROOF DEMO WORK PLAN H101N HVAC FIRST FLOOR NEW WORK PLAN
AREA AREA IN SQ. FT.	41.59 Acres 1,811,660.4 sq. ft.	— 1151.09(b)(1) New Maintenance Building — administrative and business: One (1) s — S. F. of gross floor area.		H102N HVAC ROOF NEW WORK PLAN H201N HVAC FIRST FLOOR NEW WORK PLAN
E PERIMETER	Unknown 817 +/- ft.		REQUIRED ACTUAL	H301 HVAC VENTILATION CALCULATIONS H302 HVAC DETAILS
TBACK FROM R / W	1,649 +/- ft. 908 +/- ft.	1151.09(b)(1) Existing Office Building 1151.09(b)(1) New Maintenance Building	22 22 2 2	H303 HVAC DETAILS E001 ELECTRICAL DETAILS
		ADDITIONAL ON-SITE PARKING SPACES		
DE YARD (LEFT) DE YARD (RIGHT)	180 +/- ft. 575 +/- ft.	TOTAL ON-SITE PARKING SPACES	28 52	E101D ELECTRICAL FIRST FLOOR DEMO WORK PLAN E102D ELECTRICAL ROOF DEMO WORK PLAN
DE YARD (LEFT) DE YARD (RIGHT) OOR AREA RATIO PERVIOUS AREA	180 +/- ft. 575 +/- ft. N/A Existing	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.) LOADING SPACE		E102DELECTRICAL ROOF DEMO WORK PLANE101NELECTRICAL FIRST FLOOR NEW WORK PLANE102NELECTRICAL ROOF NEW WORK PLAN
DE YARD (LEFT) DE YARD (RIGHT) OOR AREA RATIO	180 +/- ft. 575 +/- ft. N/A	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.)	52	E102D ELECTRICAL ROOF DEMO WORK PLAN E101N ELECTRICAL FIRST FLOOR NEW WORK PLAN
E YARD (LEFT) E YARD (RIGHT) DOR AREA RATIO PERVIOUS AREA MDSCAPE AREA QMT'S. 1151.10(d)	IbO +/- ft. 575 +/- ft. N/A Existing Existing LUCHTEN HONE: (CIVIL/SUR RAS Civil Engineeri P. O. Box 114 Amlin, Ohio 43	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.) LOADING SPACE REFUSE ENCLOSURE N B E R G (740) 65 VEY MECHAI ing, LLC 4 002	52 2.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E102D ELECTRICAL ROOF DEMO WORK PLAN E101N ELECTRICAL FIRST FLOOR NEW WORK PLAN E201N ELECTRICAL FIRST FLOOR NEW WORK PLAN E31 ELECTRICAL DETAILS I ELECTRICAL DETAILS I ELECTRICAL DETAILS I ELECTRICAL DETAILS I ELECTRICAL DETAILS I ELECTRICAL STRUCTURAL ing LLC ard, Suite 200 43212 Betts Structural Engineering, LLC 304 Long Street Ashville, Ohio 43103
E YARD (LEFT) E YARD (RIGHT) DOR AREA RATIO PERVIOUS AREA DDSCAPE AREA QMT'S. 1151.10(d) CHED. SH. SIM. S.C. S SPEC. S.S. STD. ST. STRUCT. SUSP. SQ. S.L.V. T.B. TELE.	IbO +/- ft. 575 +/- ft. N/A Existing Existing LUCHTEN HONE: (CIVIL/SUR RAS Civil Engineeri P. O. Box 11 Amlin, Ohio 43 (614) 581-850	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.) LOADING SPACE REFUSE ENCLOSURE NBERG (740) 65 (740) 65 (75) 7 (75) 7	52 2.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E102D ELECTRICAL ROOF DEMO WORK PLAN E101N ELECTRICAL FIRST FLOOR NEW WORK PLAN E201N ELECTRICAL BIRST FLOOR NEW WORK PLAN E301 ELECTRICAL DETAILS IDING C 48 FACS : (740) 654-30009 NTS <u>LECTRICAL</u> STRUCTURAL ing LLC ard, Suite 200 43212 31 S S C DOM NIMEER INFOCTOR
E YARD (LEFT) E YARD (RIGHT) DOR AREA RATIO ERVIOUS AREA IDSCAPE AREA DMT'S. 1151.10(d) SCHED. SH. SIM. S.C. S SFEC. S.S. STD. ST. ST. ST. ST. ST. ST. ST. ST	$\frac{180 \text{ +/- ft.}}{575 \text{ +/- ft.}}$ N/A Existing Existing $\frac{100 \text{ Free}}{10000000000000000000000000000000000$	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.) LOADING SPACE REFUSE ENCLOSURE NBERG (740) 65 (740) 76 (740)	52 2.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E102D ELECTRICAL FIRST FLOOR NEW WORK PLAN E101N ELECTRICAL FIRST FLOOR NEW WORK PLAN E201N ELECTRICAL FIRST FLOOR NEW WORK PLAN E301 ELECTRICAL DETAILS A 8 FACCS: (740) 654-3000 NTS LECTRICAL STRUCTURAL ing LLC ard, Suite 200 43212 31 SSUE MARK DATE PROOREESS FINAL 01/24/20 Betts Structural Engineering, LLC 304 Long Street Ashville, Ohio 43103 (740) 954-3006
DE YARD (LEFT) DE YARD (RIGHT) DOR AREA RATIO PERVIOUS AREA NDSCAPE AREA QMT'S. 1151.10(d)	Ibo +/- ft. 575 +/- ft. N/A Existing Existing Existing Image: Constraint of the state of the st	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.) LOADING SPACE REFUSE ENCLOSURE	52 2.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E1020 ELECTRICAL FIRST FLOOR NEW WORK PLAN E101N ELECTRICAL FIRST FLOOR NEW WORK PLAN E2011 ELECTRICAL FIRST FLOOR NEW WORK PLAN E301 ELECTRICAL FIRST FLOOR NEW WORK PLAN E301 ELECTRICAL DETAILS State of the sta
E YARD (LEFT) E YARD (RIGHT) DOR AREA RATIO PERVIOUS AREA DDSCAPE AREA QMT'S. 1151.10(d)	Ibo +/- ft. S75 +/- ft. NVA Existing Existing Image: Second structure I	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.) LOADING SPACE REFUSE ENCLOSURE	52 2.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EIIOZE ELECTRICAL ROOF DELOW WORK PLAN EIIONE ELECTRICAL FIRST FLOOR NEW WORK PLAN EZIN ELECTRICAL FIRST FLOOR NEW WORK PLAN EXIN ELECTRICAL DETAILS I ELECTRICAL STRUCTURAL INTS I ELECTRICAL STRUCTURAL INTS I ELECTRICAL STRUCTURAL INTS I ELECTRICAL STRUCTURAL INTS I ELECTRICAL STRUCTURAL I SOLE MARK DATE PROGRESS PINAL 0/24/22 I ELECTRICAL STRUCTURAL I SOLE MARK DATE I ELECTRICAL STRUCTURAL I I SOLE MARK DATE I ELECTRICAL STRUCTURAL I SOLE MARK DATE I I I SOLE MARK DATE I I I SOLE I I I I I I I I I I I I I I I I I I I
E YARD (LEFT) E YARD (RIGHT) DOR AREA RATIO ERVIOUS AREA IDSCAPE AREA DMT'S. 1151.10(d) SCHED. SH. SIM. S.C. S.S. STD. ST. STRUCT. SUSP. SQ. SL.V. T.B. TELE. T.V. T.B. TELE. T.V. T.H. T.E. T.Y. T.H. T.E. T.Y. T.H. T.E. T.Y. T.H. T.Y. T.H. T.Y. T.H. T.Y. T.H. T.Y. T.H. T.Y. T.H. T.Y. N. N. VERT. V.C.T. W.P. W.R. W.	Ibo +/- ft. 575 +/- ft. NVA Existing Existing Existing Image: Constraint of the state of the st	TOTAL ON-SITE PARKING SPACES ON-SITE HC PARKING (OBC 1 / 25 sps.) LOADING SPACE REFUSE ENCLOSURE	52 2.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

OHIO BUILDING CODE INFORMATION OHIO BUILDING CODE ~ 2017 EDITION NEW BUILDING CHANGE OF USE ADDITION ALTERATION BUILDING DATA EXISTING NEW AREA DATA (AS DEFINED BY THE OBC) ALTERATION USE GROUP B 5-I Designation Tabulated Area Occupant Load CONSTRUCTION CLASSIFICATION IIB ZB First Floor - Administration Building Occupant Load RISK CATEGORY II Offices 1/635 sq. ft. 13 NUMBER OF FLOORS: One (I) Board Meeting Room 643 sq. ft. 56
NUMBER 6 FLOORS: ONe (IV) Exect PEORS: One (IV) Exect PEORS: One (IV) BULDING REMORT: 14/-V Total 8/4716 sq. ft. 124 BULDING REMORT: 14/-V First Floor - Maintenance Bullding 101 101 101 NOT APPLICABLE ENSTING NEW Storage 161 sq. ft. 4 FIRE DETECTION SYSTEM PLUMBING FIXTURE REQUIREMENTS 000 000 ct TABLE 2020: 1(2) Business and
A102.1MAINTENANCE BUILDING - ROOF FRAMING AND ROOF PLANSA200ROOM FINISH SCHEDULE, DOOR SCHEDULE AND DETAILSA301ADMINISTRATION BUILDING - TYPICAL SECTIONSA302ADMINISTRATION BUILDING - DETAILSA303MAINTENANCE BUILDING - TYPICAL SECTIONSA401ADMINISTRATION BUILDING - EXTERIOR ELEVATIONS
Ad02 MAINTENANCE BUILDING - EXTERIOR ELEVATIONS CITY OF LANCASTER ~ ZONING CLEARANCE 600 CITY OF LANCASTER ~ PLANNING AND ZONING 600 SUBMITTAL DATE: 12/06/2022 APPROVAL DATE: 12/13/2022 Image: Submittal Date: 12/06/2021 APPROVAL DATE: 12/13/2022 Image: Submittal Date: 12/06/2022 APPROVAL DATE: 12/13/2022 Image: Submittal Date: 12/06/2022 APPROVAL DATE: 12/13/2022 Image: Submittal Date: 12/06/2022 APPROVAL DATE: 12/13/2022 Image: Submittal Date: 12/06/2024 ADDITION PROPERTY OWNER Fortheld County Bd. of Commessioners GROSS FLOOR AREA(S) BUILDING DATA PROPERTY OWNER Fortheld County Bd. of Commessing FCDD Office Building 4/048 sq. ft. OVERLAY DISTRICT(S) NA Existing FCDD Office Building (Storage) 6/44 sq. ft. OVERLAY DISTRICT(S) NA General NOTES DIVISION 07 THROUGH DIVISION 11 GENERAL NOTES DIVISION 08 THROUGH DIVISION 12 General NOTES DIVISION 09 THROUGH DIVISION 12 OVERLAY DISTRICT(S) NA General NOTES DIVISION 27 LOT NUMBER(S) I/15 5 3/0 General NOTES DIVISION 32 THROUGH DIVISION 22 LOT NUMBER(S) I/15 15 5/0 General NOTES DIVISION 32 THROUGH DIVISI
TYPE(S) OF USE(S)DD School, DD Offices and Agricultural CenterDiscinct fieldCURRENT USEF.C.DD. Administrative officesIIBLOP(b)(I) Existing Office Building: Professional, administrative and business: One (I) space for each 400SITE DATASITE DATADIMENSIONS OF LOT2/074 ft. (avg) x & 671 ft. (avg)S. F. of gross floor orea.LOT AREA4154 Acresdiministrative and business: One (I) space for each 400LOT AREA4154 Acresdiministrative and business: One (I) space for eachLOT AREA IN SQ. FT.1161/60(x) X status offices building: Professional, administrative and business: One (I) space for each 400SITE PERIMETERUnknownLOT WIDTH AT R. IV917 4/- ft.SETBACK FROM R.VW1644 4/- ft.1151 09(b)(1) Existing Office Building2SIDE YARD (BEFT)800 4/- ft.SIDE YARD (REFT)800 4/- ft.IMPERVIOUS AREAExistingLANDSCAPE A
E C T S I N C
Schep, Stress,
F



TOPOGRAPHIC SURVEY FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES





FIELD	DRAFT	CHECK
JBA	JBA	JBA
JOB NO.:	20-006	
DATE:	NOVEMBER 5,	2021
SCALE:	l''=20'	

CITY OF LANCASTER, OHIO PRIVATE SITE IMPROVEMENTS FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 COLLEGE AVENUE

BENCH MARKS

BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS, BEING THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83). ELEVATIONS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS IN CONJUNCTION WITH THE OHIO DEPARTMENT OF TRANSPORTATION VRS NETWORK, BEING THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

BM #1 NORTH EDGE OF SANITARY MANHOLE RIM.

ELEV. = 879.48

NO.	SPEC	DESCRIPTION	UNIT	QTY
1	202	ASPHALT REMOVED	SF.	350
2	203	EXCAVATION, INCLUDING EMBANKMENT	CY.	290
3	204	SUBBASE COMPACTION	SY.	123
4	SPEC.	SILT FENCE	LF.	170
5	304	AGGREGATE BASE	CY.	32
6	441	ASPHALT CONCRETE SURFACE COURSE	CY.	3.7
7	441	ASPHALT CONCRETE INTERMEDIATE COURSE	CY.	3.7
8	452	7" PLAIN PORTLAND CEMENT CONCRETE PAVEMENT (SHED RAMP)	SY.	11
9	452	8" REINFORCED CONCRETE PAVEMENT (DUMPSTER PAD)	SY.	20
10	605	4" UNDERDRAIN	LF.	96

DEVELOPER'S STATEMENT OF INTENT

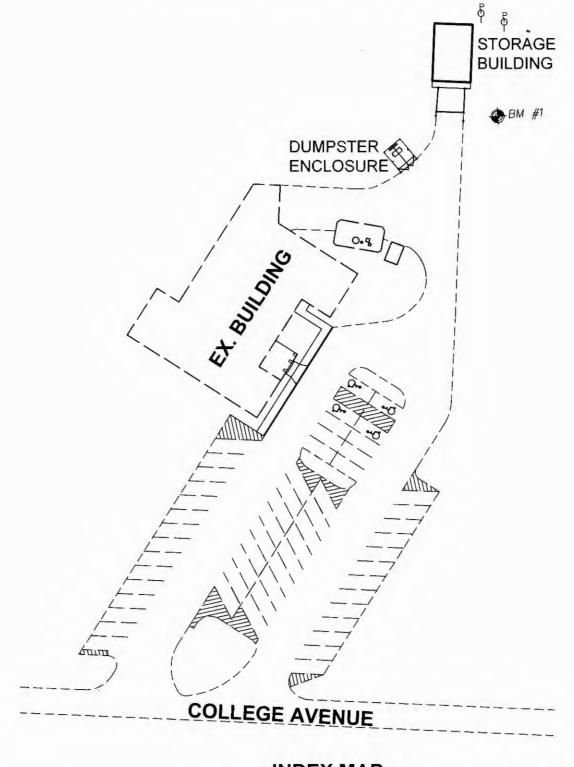
JOHN PEKAR FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 COLLEGE AVENUE LANCASTER, OHIO 43230 PHONE: 740.652.7220 E-MAIL: JPEKAR@FAIRFIELDDD.COM

I HEREBY STATE THAT THESE PLANS HAVE BEEN PREPARED WITH MY KNOWLEDGE AND CONCURRENCE AND REPRESENT MY INTENT AND INTERESTS.

9/16/2022

	E	ASEMENT REFER	ENCE	-	REVISIONS		
01111	County F	County Recorder No.	No.	Description	Approval	Date	
City's No.	Volume	Page	Grantor				
	8° - 7 19						
	0.0.000				AS BUILT		

AUGUST, 2022



SCALE: 1"=60'

THE CURRENT CITY OF LANCASTER, CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSL), INCLUDING ALL SUPPLEMENTS THERETO, WITH THE REQUIREMENTS OF THE CITY OF LANCASTER CURRENT ON THE DATE OF THE CONTRACT, SHALL GOVERN ALL WORKMANSHIP, MATERIALS AND METHODS OF CONSTRUCTION INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS, EXCEPT AS SUCH SPECIFICATIONS ARE MODIFIED BY THE GENERAL NOTES OR BY THE CONSTRUCTION DETAILS SET FORTH HEREIN.

SECTIONS OF CMSL REFER TO THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOT-CMS). THE CONTRACTOR SHALL KEEP COPIES OF CMSL AND ODOT-CMS ON THE PROJECT SITE DURING ALL CONSTRUCTION OPERATIONS.

THE STANDARD DRAWINGS LISTED ON THESE PLANS SHALL BE CONSIDERED A PART THEREOF

	STANDARD D	RAWINGS - CITY	OF LANCASTER	
DWG. NO.	DESCRIPTIC	DWG. NO	DESCRIPTION	
D-5	SILT FENCE	M-3	SPECIFICATIONS FOR DUMPSTER ENCLOSU	JRE
		Signatures below signify only	concurrence with the general purpose and ge	eneral location of the project. All technical details remain the
Prepared By :	STATE OF OH	responsibility of the engineer		netel hered
PRO	SICKER E-47802	PAUL MARTIN, SERVICE SAFE		MITCH NOLAND, P.E., CITY ENGINEER
() II	ONAL ENGLINE	GREG HINTZ, SUPERINTENDE		KURTIS WAITE, GENERAL MANAGER, MUNICIPAL GAS
Kickan	lasim		NT, WATER POLLUTION CONTROL	ANDY GUNDELHINGER, DISTRIBUTION SUPERVISOR, WATER DEP

lan

SEAN FOWLER, SUPERINTENDENT, SANITATION DEPT.

08/24/2
Date

Ohio Reg. No

SLADE SCHULTZ, ASSISTANT CHIEF, FIRE DEPARTMENT

CREEKSIDE DR PLEASANT TWF TRINGTOWN RD NE MONDHANK WILLIAM V FISHER CATHOLIC HIGH SCHOOL **CITY OF LANCASTER** FAIRFIELD AREA HUMANE SOCIETY SITE COLLEGE AV COUNTY INFIRMARY CEMETERY OHIO UNIVERSITY LANCASTER CAMPUS LOCATION MAP NO SCALE **INDEX OF SHEETS** C0.01.....COVER SHEET C0.02.....GENERAL NOTES C0.03.....SITE DIMENSION PLAN C0.04......STORM SEWERS, GRADING, & SWP3 PLAN OHIO **Utilities Protection** SERVICE Call Before You Dig RAS CIVIL ENGINEERING, LLC 1-800-362-2764 CIVIL ENGINEERING & SURVEYING SERVICES P.O. BOX 114 • AMLIN, OHIO • 43002 614-581-8504 • RICK_SICKER@ATT.NET CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY) ENG. FILE NO. 14.0288 City of Lancaster, Ohio IMP. ACCT. NO. _ CONTRACT NO_ FAIRFIELD CO. BOARD OF DEVELOPMENTAL DISABILTIES 795 COLLEGE AVENUE ~ LANCASTER, OHIO COMPLETION DATE CONTRACTOR **COVER SHEET**

BIDDING: February 15, 2023 Date : AUGUST, 2022 Sheet No. : C0.01

Dwg. No. :

001 <u>UTILII</u> PROJECT		ILITIES AND OWNERS ARE LOCATED	WITHIN THE WORK LIMITS OF THE
WATER:	CITY OF LANCASTER CABLE TV: DIVISION OF WATER 225 N. MEMORIAL DR. LANCASTER, OH 43130 ATTN: ANDY GUNDELFINGER 740-687-6631	CHARTER COMMUNICATIONS (SPECTRUM) 400 ATLANTIC STREET, 10TH FLOOR STAMFORD, CT 06901 ATTN: BRIAN AMENDE BRIAN.AMENDE@CHARTER.COM	
<u>SEWERS</u> :	SANITARY CITY OF LANCASTER WATER POLLUTION CONTROL 800 LAWRENCE STREET LANCASTER, OHIO 43130 ATTN: MIKE NIXON 740-687-6664	STORM CITY OF LANCASTER DEPARTMENT OF TRANSPORTATION 815 LAWRENCE STREET LANCASTER, OHIO 43130 ATTN: GREG HINTZ 740-687-6668	
ELECTRIC:	AEP OF OHIO 1 RIVERSIDE PLAZA COLUMBUS, OH 43215 ATTN: MICHAEL TRAVIS 740.689.4713 ATTN: ROBBIE SHEILDS 740.591.8030		
TELECOMM	UNICATIONS AND SIGNALS:		
	AT&T 140 WEST WHEELING STREET	CITY OF LANCASTER DEPARTMENT OF TRANSPORTATION	CITY OF LANCASTER INFORMATION TECHNOLOGY DIVISION

121 E CHESTNUT ST. SUITE 50

I ANCASTER. OHIO 43130

ATTN: MARK STARR

740-687-6645

002 <u>UTILITY LOCATIONS AND NOTIFICATION</u>: THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF UTILITIES AS REQUIRED BY THE OHIO REVISED CODE, SECTION 153.64. LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AND ELEVATION WHEN WORKING IN THEIR VICINITY

815 LAWENCE STREET

740-687-6668

LANCASTER, OHIO 43130 ATTN: TIM DEITZ

LANCASTER, OHIO 43130

ATTN: CHARLES JOHNSON

1424 CAMPGROUND ROAD

I ANCASTER. OHIO 43130

ATTN: HANK TOPF

740.302.1197

740.532.9943 NATURAL GAS: CITY OF LANCASTER

MUNICIPAL GAS

740-687-6670

ATTN: CHRISTOPHER MORRIS

LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL UTILITY LINES, SERVICES, AND APPURTENANCES, WHETHER SHOWN ON THESE PLANS OR NOT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT THE EXACT ELEVATION MAY BE DETERMINED AND THE NECESSARY ADJUSTMENTS MADE. COST OF THE ABOVE WORK SHALL BE INCLUDED WITH THE PRICE BID FOR THE PERTINENT ITEM, UNLESS OTHERWISE NOTED ON THE PLANS. ESTIMATED QUANTITIES SHOWN ON THE PLANS FOR WATER AND SANITARY SEWER RELOCATIONS ARE FOR THOSE ITEMS ACTUALLY CALLED FOR AND SHOWN ON THE PLANS.

AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS INVOLVING ANY EXCAVATING, AUGURING, BORING, OR OTHER EARTH DISTURBING ACTIVITY, OR THE DEMOLITION OF ANY STRUCTURES. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE. OHIO UTILITY PROTECTION SERVICE (OUPS) (1, 800, 362, 2764) AND THE OWNERS OF EACH UTILITY FACILITY SHOWN IN THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING A SEPARATE CONTACT WITH ALL NON-OUPS REGISTERED UTILITIES WITH FACILITIES IN THE PROJECT AREA. THROUGHOUT THE TERM OF THE PROJECT, THE CONTRACTOR SHALL MAKE ADDITIONAL CONTACT WITH OUPS AND NON-REGISTERED UTILITIES AS REQUIRED BY THE OHIO REVISED CODE, SECTION 153.64.

ANY EXISTING UTILITY OR APPURTENANCE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR. OR AT THE CONTRACTOR'S EXPENSE.

003 <u>SURVEYS</u>: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL DETAIL SURVEYS NEEDED FOR CONSTRUCTION. THE CITY OF LANCASTER HAS ESTABLISHED BENCHMARKS AND CONTROL POINTS FROM WHICH THIS WORK MAY BE PERFORMED

004 <u>MODIFICATIONS</u>: ANY MODIFICATIONS OR CHANGES TO THE WORK, AS SHOWN ON THE DRAWINGS, MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER, CITY OF LANCASTER, OR HIS DESIGNEE.

005 <u>SAFETY:</u> THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND CITY SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS, INCLUDING EMPLOYEES AND PROPERTY. IT IS ALSO THE CONTRACTOR'S SOLE RESPONSIBILITY TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SECURING THE PROJECT SITE FROM THE GENERAL PUBLIC BOTH DURING AND AFTER HIS WORKING HOURS. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL LIGHTS, SIGNS, FENCES OR ANY OTHER SAFETY DEVICES TO PREVENT UNAUTHORIZED PERSONNEL FROM HAZARDOUS OR DANGEROUS CONDITIONS ON THE PROJECT SITE. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS BID FOR FURNISHING AND INSTALLING MATERIALS ON THIS PROJECT.

006 <u>REVIEW OF PROJECT SITE</u>: PRIOR TO BIDDING THE CONTRACTOR SHALL, BY PERSONAL EXAMINATION, SATISFY HIMSELF AS TO THE LOCATION OF THE PROPOSED WORK AND TO ACQUAINT HIMSELF THOROUGHLY WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT ARE LIKELY TO BE ENCOUNTERED IN THE PERFORMANCE OF THE PROPOSED WORK

007 <u>PROTECTION OF SURVEY MONUMENTS:</u> THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, AND ANY OTHER SURVEY MONUMENTS OR MARKERS. IF THE ACTIONS OF THE CONTRACTOR, HIS EMPLOYEES, OR HIS SUB-CONTRACTORS RESULT IN DESTRUCTION OF OR DAMAGE TO ANY OF THE ABOVE ITEMS, THOSE ITEMS SHALL BE ACCURATELY RESTORED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

008 NOTIFICATION OF CONSTRUCTION: A MINIMUM OF TEN (10) BUSINESS DAYS PRIOR TO COMMENCING ITIES, THE CONTRACTOR SHALL MEET WITH AND SUBMIT A CONSTRUCTION SCHEDULE TO THE CITY ENGINEER, SECURE ALL NECESSARY LICENSES AND PERMITS, AND PAY ALL INSPECTION FEES. TAPS OR CONNECTIONS INTO ANY CITY OWNED LINE (SANITARY SEWER, STORM SEWER, WATER LINE AND/OR GAS LINE) SHALL NOT BE MADE UNTIL THE REQUIRED TAP PERMIT HAS BEEN ISSUED.

THE CONTRACTOR SHALL NOTIFY THE CITY OF LANCASTER, CITY ENGINEER'S OFFICE A MINIMUM OF TWO (2) DAYS BEFORE BEGINNING WORK, HOLIDAYS AND WEEKENDS EXCLUDED. WHEN THE CONTRACTOR SUSPENDS OPERATIONS FOR TWO (2) OR MORE WORKING DAYS. HE SHALL NOTIFY THE CITY ENGINEER A MINIMUM OF TWENTY FOUR (24) HOURS BEFORE RESUMING WORK.

010 EXCAVATION: ALL EXCAVATION ON THIS PROJECT IS UNCLASSIFIED. THE CONTRACTOR SHALL MAKE ALL EXCAVATION OF WHATEVER NATURE NECESSARY FOR CONSTRUCTION OF WATER LINES AND SEWERS AND THEIR APPURTENANT STRUCTURES INCLUDED IN THIS PROJECT.

011 <u>DELIVERIES TO JOB SITE - HAUL ROUTES:</u> DELIVERIES OF MATERIALS AND EQUIPMENT TO AND FROM THE JOB SITE SHALL BE ROUTED TO MAXIMIZE THE USE OF STATE AND FEDERAL ROUTES AND TO MINIMIZE THE USE OF CITY STREETS. NO LESS THAN TWO (2) WEEKS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A HAUL ROUTE LETTER TO THE CITY ENGINEER DESIGNATING THOSE ROUTES TO BE USED. IF ANY CHANGES ARE NEEDED TO THE APPROVED ROUTE, THE CONTRACTOR SHALL SUBMIT A REVISION TO THE HAUL ROUTE LETTER A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE DELIVERY DATE. THE ENGINEER SHALL HAVE THE RIGHT TO LIMIT THE ROUTE OF DELIVERY, TOTAL TONNAGE PER VEHICLE PER DELIVERY, OR THE HOURS SUCH DELIVERIES MAY BE MADE.

013 OPERATION OF FIRE HYDRANTS AND WATER VALVES: THE CONTRACTOR SHALL NOT OPERATE, OPEN, CLOSE, OR OTHERWISE USE ANY CITY OWNED FIRE HYDRANT OR WATER LINE VALVE WITHOUT THE WRITTEN AUTHORIZATION OF THE SUPERINTENDENT, DIVISION OF WATER. ANY UNAUTHORIZED TAKING OF WATER FROM THE CITY DISTRIBUTION SYSTEM WILL RESULT IN PROSECUTION FOR THE THEFT OF A PUBLIC UTILITY. ANY DAMAGE CAUSED TO THE FIRE HYDRANTS OR WATER VALVES AS A RESULT OF THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED BY DIVISION OF WATER FORCES AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS HEREBY NOTIFIED THAT THE USE OF FIRE HYDRANTS WILL NOT BE PERMITTED ON THIS PROJECT. THE DIVISION OF WATER WILL PROVIDE THE CONTRACTOR POTABLE WATER AT THE MILLER PARK WATER TREATMENT PLANT, 225 NORTH MEMORIAL DRIVE, IN BULK AT A RATE OF \$0.015 PER GALLON. THE CONTRACTOR MAY MAKE ARRANGEMENTS FOR OBTAINING WATER AT 740-687-6631

THE COST OF OBTAINING AND/OR PROVIDING WATER SHALL BE INCLUDED IN THE CONTRACTOR'S VARIOUS PRICES BID FOR ASSOCIATED ITEMS IN THE PROJECT UNLESS OTHERWISE PROVIDED FOR AS A SEPARATE BID ITEM

014 LINE CROSSINGS: AT ALL UTILITY CROSSINGS, THE BACKFILL SHALL BE GRANULAR MATERIAL, PER ITEM 912, EN THE TOP OF THE UPPER CONDUIT AND THE BOTTOM OF THE LOWER CONDUIT, PROVIDED THE VERTICAL CLEARANCE BETWEEN THE TWO PIPES IS 1-FOOT OR MORE. WHERE THE CLEARANCE IS LESS, A CONCRETE CRADLE SHALL BE POURED FROM THE BOTTOM OF THE LOWER PIPE TO THE SPRING LINE OF THE UPPER PIPE FOR THE FULL-WIDTH OF THE UPPER PIPE'S TRENCH WIDTH, OR LONGER IF THE ENGINEER SO ORDERS. A TWELVE INCH (12") THICK SAND ENVELOPE SHALL BE USED AROUND ALL WATER AND GAS LINES TO PROTECT

015 <u>DISPOSAL OF EXCESS EXCAVATED MATERIAL:</u> THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING A SITE FOR THE DISPOSAL OF EXCESS EXCAVATED MATERIAL. BEFORE DISPOSING ANY SUCH MATERIAL, THE

ODOT 703.02.A AND FREE OF LARGE PARTICLES.

THE CONTRACTOR IS NOTIFIED THAT THE CITY'S FLOOD DAMAGE PREVENTION ORDINANCE REGULATES THE

FEMA FIRM MAPS ARE AVAILABLE FOR INSPECTION IN THE ENGINEERING DEPARTMENT'S OFFICE IN THE 7:30 AM AND 4:00 PM

WEEKEND OR HOLIDAY

OPTION OF THE ENGINEER.

019 <u>SHOP DRAWINGS AND MATERIAL CERTIFICATIONS:</u> TWENTY (20) BUSINESS DAYS PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL SUBMIT THE SOURCES FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT TO THE CITY ENGINEER. WHEN REQUIRED IN CMSL OR BY PLAN NOTE, THE CONTRACTOR SHALL ALSO PROVIDE MATERIAL SUPPLIER'S CERTIFICATION THAT THE MATERIALS HE/SHE SUPPLIES FOR THE PROJECT MEET THE PERTINENT MATERIAL SPECIFICATION. THE CONTRACTOR SHALL ALSO SUBMIT SHOP DRAWINGS ON ALL PRECAST ITEMS OR OTHER ITEMS CONSTRUCTED OR FABRICATED WHOLLY OR IN PART OFF THE JOB-SITE THAT WILL BE INCORPORATED INTO THE WORK. NO MATERIALS SHALL BE INSTALLED UNTIL THE CITY ENGINEER HAS APPROVED THE SOURCE, THE MATERIAL CERTIFICATION AND/OR THE SHOP DRAWINGS FOR IT.

022 PAVEMENT CLEANING: THE CONTRACTOR IS HEREBY NOTIFIED THAT IT IS HIS/HER RESPONSIBILITY TO KEEP STREETS AND ROADS CLEAR OF ALL MUD, DIRT, GRAVEL, AND/OR STONES OF ANY KIND DEPOSITED AS A RESULT OF HIS/HER OPERATIONS. PAVEMENTS SHALL BE CLEANED AT THE END OF EACH WORK DAY AND AT ANY OTHER TIME AS THE ENGINEER DIRECTS. FAILURE TO COMPLY WITH THIS NOTE MAY RESULT IN THE CONTRACTOR'S PROSECUTION UNDER L.C.O. 902.06, 902.08, AND/OR 902.09, IN ADDITION, UPON THE CONTRACTOR'S FAILURE TO ADEQUATELY CLEAN THE PAVEMENT UPON NOTICE FROM THE ENGINEER. THE CITY MAY CLEAN THE PAVEMENT AND CHARGE THE CONTRACTOR FOR THE COST OF THIS WORK.

023 WORK LIMITS: THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT, THE EXISTING RIGHT_OF_WAYS, AND/OR APPLICABLE CONSTRUCTION/PERMANENT EASEMENTS. THE CONTRACTOR SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER. ALL DAMAGE TO PRIVATE PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR TO THE ENGINEER'S SATISFACTION. THE CONTRACTOR SHALL BEAR THE COST OF THIS WORK.

026 <u>MISCELLANEOUS WORK</u>: ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS.

027 FINAL CLEAN_UP: THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS/HER OPERATIONS. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ALL PUBLIC AND PRIVATE SURFACES, STRUCTURES, AND/OR PROPERTIES THAT WERE DISTURBED DURING HIS/HER OPERATIONS TO THEIR ORIGINAL OR BETTER CONDITION. THE CONTRACTOR SHALL ALSO RESTORE ANY DISTURBED STREAM CHANNELS. SWALES, AND/OR DITCHES TO THEIR ORIGINAL OR BETTER CONDITION. THIS RESTORATION WORK SHALL INCLUDE THE REMOVAL OF ALL DEPOSITS OF SEDIMENT, SAND, GRAVEL, OR DIRT IN ANY WATERWAYS, AND ANY SUBSEQUENT RESEEDING OR SODDING OF THOSE WATERWAYS USING TYPE A SEED MIXTURE IN CONFORMITY WITH ODOT CMS ITEM 659, AS DEEMED NECESSARY BY THE ENGINEER. THE CONTRACTOR SHALL PERFORM THIS WORK AT HIS/HER EXPENSE, AND SHALL NOT BE DUE ANY EXTRA PAYMENT.

THE CONTRACTOR'S FAILURE TO ADEQUATELY COMPLETE THIS ACTIVITY SHALL RESULT IN THE DELAY OF FINAL PAYMENT UNTIL SUCH TIME THAT CLEAN-UP HAS BEEN PERFORMED TO THE SATISFACTION OF THE ENGINEER. <u>CONSTRUCTION NOISE:</u> ACTIVITIES AND LAND USES ADJACENT TO THE PROJECT MAY BE ADVERSELY ECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE THE CONSTRUCTION NOISE IMPACTS, ANY

POWER-OPERATED EQUIPMENT OR CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM. THIS TIME RESTRICTION DOES NOT APPLY FOR GENERATORS USED TO MAINTAIN OVERNIGHT BYPASS PUMPING AND/OR DEWATERING OPERATIONS IN ADDITION ANY SUCH EQUIPMENT SHALL NOT BE OPERATED AT ANY TIME IN SUCH MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

THE CONTRACTOR SHALL MAINTAIN IN A SAFE PLACE AT THE SITE TWO RECORD COPIES OF DRAWINGS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, WORK CHANGE DIRECTIVES, FIELD ORDERS, AND WRITTEN INTERPRETATIONS AND CLARIFICATIONS IN GOOD ORDER AND ANNOTATED TO SHOW BOTH CHANGES MADE DURING CONSTRUCTION AND THE LOCATION/EXTENT OF ANY UNFORESEEN CONDITIONS OR OBSTRUCTIONS. THE RECORD CONDITIONS SHALL BE SHOWN IN RED AND ANY PLAN CHANGES SHALL BE OUTLINED. THESE RECORD DOCUMENTS, TOGETHER WITH ALL APPROVED SAMPLES, WILL BE AVAILABLE TO THE ENGINEER AND HIS REPRESENTATIVES FOR REFERENCE. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER THESE RECORD DOCUMENTS TO THE ENGINEER.

030 INDEMNIFICATION: THE CONTRACTOR WILL INDEMNIFY AND HOLD HARMLESS THE CITY AND THE ENGINEER AND THEIR AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING ATTORNEYS' FEES ARISING OUT OF OR RESULTING FROM PERFORMANCE OF THE WORK. PROVIDED THAT ANY SUCH CLAIMS, DAMAGE, LOSS OR EXPENSE IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE OR DEATH, OR INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY, INCLUDING THE LOSS OF USE RESULTING THEREFROM; AND IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT OR WILLFUL ACT OR OMISSION OF THE CONTRACTOR, AND SUBCONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE.

IN ANY AND ALL CLAIMS AGAINST THE CITY OR THE ENGINEER, OR ANY OF THEIR AGENTS OR EMPLOYEES, BY ANY EMPLOYEE OF THE CONTRACTOR, ANY SUBCONTRACTOR, ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, THE INDEMNIFICATION OBLIGATION SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OR TYPE OF DAMAGES, COMPENSATION OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR OR ANY SUBCONTRACTOR UNDER WORKERS' COMPENSATION ACTS, DISABILITY BENEFIT ACTS, OR OTHER EMPLOYEE BENEFIT ACTS.

OBLIGATION OF THE CONTRACTOR UNDER THIS PARAGRAPH SHALL NOT EXTEND TO THE LIABILITY OF THE ENGINEER. HIS AGENTS OR EMPLOYEES ARISING OUT OF THE PREPARATION OR APPROVAL OF MAPS, PLANS, OPINIONS, REPORTS, SURVEYS, CHANGE ORDERS, DESIGNS OR SPECIFICATIONS.

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GENERAL NOTES

SAID LINES FROM ABRASIVE AND PROTRUDING AGGREGATE. THIS SAND SHALL BE FINE GRADED AGGREGATE PER

CONTRACTOR SHALL HAVE THE DISPOSAL SITE APPROVED BY THE CITY ENGINEER.

PLACEMENT OF FILL IN SPECIAL FLOOD HAZARD AREAS, AS DELINEATED ON THE CURRENT FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS FOR THE CITY OF LANCASTER. THE CONTRACTOR SHALL FIRST OBTAIN A DEVELOPMENT PERMIT FROM THE ENGINEERING DEPARTMENT BEFORE DISPOSING ANY EXCESS EXCAVATED MATERIALS WITHIN ANY DESIGNATED SPECIAL FLOOD HAZARD AREA. IN DISPOSING OF EXCESS EXCAVATED MATERIALS IN AREAS OF SPECIAL FLOOD HAZARD, THE CONTRACTOR SHALL COMPLY WITH THE CITY'S FLOOD DAMAGE PREVENTION ORDINANCE. IF EXCESS EXCAVATED MATERIALS ARE DEPOSITED IN A SPECIAL FLOOD HAZARD AREA WITHOUT A PERMIT. THE CONTRACTOR SHALL PROMPTLY REMOVE THE MATERIAL FROM THE SPECIAL FLOOD HAZARD AREA. THE COST OF THIS WORK SHALL BE BORNE BY THE CONTRACTOR.

MUNICIPAL ANNEX, 121 EAST CHESTNUT STREET, SUITE 100, LANCASTER, MONDAYS THROUGH FRIDAYS BETWEEN

016 WEEKEND AND HOLIDAY WORK: NO WORK THAT REQUIRES CITY OF LANCASTER INSPECTION SHALL BE ON WEEKENDS OR ON CITY OF LANCASTER HOLIDAYS WITHOUT THE PRIOR, WRITTEN APPROVAL OF THE CITY ENGINEER. IF THE CONTRACTOR NEEDS TO PERFORM WORK THAT REQUIRES CITY OF LANCASTER INSPECTION ON A WEEKEND DAY OR A HOLIDAY, HE SHALL SUBMIT HIS REQUEST STATING THE REASONS FOR WORKING THOSE DAYS TO THE CITY ENGINEER A MINIMUM OF FORTY_EIGHT (48) HOURS IN ADVANCE OF THAT

017 <u>ESTIMATED QUANTITIES</u>: THE QUANTITIES LISTED IN THE "SUMMARY OF ESTIMATED QUANTITIES" ARE APPROXIMATE ONLY, AND SHALL BE USED IN DETERMINING THE TOTAL AMOUNTS OF BIDS FOR THE PURPOSE OF DETERMINING THE LOWEST AND BEST BIDDER. THE QUANTITIES MAY BE INCREASED OR DIMINISHED AT THE

035 DUMPSTER PAD: THE DUMPSTER PAD AND ENCLOSURE SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE DEPARTMENT'S (740-687-6660) STANDARDS AS SHOWN IN STANDARD CONSTRUCTION DRAWING M-3. THE CONTRACTOR MAY CONSULT THE SUPERINTENDENT, SANITATION DEPARTMENT IF THERE ARE QUESTIONS ON THE WORK. THE DEPARTMENT WILL NOT SERVICE DUMPSTERS FROM PADS AND ENCLOSURES WHERE THE

SUPERINTENDENT DETERMINES THE DEPARTMENT'S EMPLOYEES CANNOT DO SO IN A SAFE MANNER. 036 <u>SAWING PAVEMENT:</u> WHERE NECESSARY TO DISTURB PAVEMENT OR DRIVES, THE PAVEMENT SHALL BE SAW

CUT IN NEAT, STRAIGHT LINES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR FURNISHING AND PLACING ASPHALT CONCRETE.

037 <u>SIDEWALKS:</u> ALL PUBLIC SIDEWALKS AND RAMPS CONSTRUCTED AS A PART OF THIS PROJECT SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES (ADA) ACT OF 1990, INCLUDING ALL SUPPLEMENTS THERETO. SIDEWALKS AND RAMPS SHALL BE CONSTRUCTED WITH A DESIGN CROSS-SLOPE OF 1:64 (1.56%) BUT SHALL NOT EXCEED 1:50 (2.00%). IN ALL DIRECTIONS, ALL LANDING AREAS SHALL BE A MINIMUM OF 4 FEET BY 4 FEET WITH A DESIGN SLOPE OF 1.56% THAT SHALL NOT EXCEED 1:50 (2.00%). CROSSWALK AREAS BETWEEN CURB RAMPS SHALL BE DESIGNED FOR A CROSS-SLOPE OF 1:64 (1.56%) BUT SHALL NOT EXCEED 1:50 (2.00%).

040 <u>DEWATERING:</u> ANY WELL, WELL POINT, OR OTHER DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUND WATER TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN AND THE WRITTEN APPROVAL OF THE CITY ENGINEER

ANY CONTRACTOR INSTALLING ANY WELL, WELL POINT, PIT, OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUND WATER FROM AN AQUIFER SHALL COMPLETE AND FILE A WELL LOG AND DRILLING REPORT FORM WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF SOIL AND WATER RESOURCES, WITHIN 30 DAYS OF THE WELL COMPLETION IN ACCORDANCE WITH THE OHIO REVISED CODE, SECTION 1521.05. IF THE WATER REMOVAL DEVICE IS CAPABLE OF WITHDRAWING MORE THAN 100,000 GALLONS PER DAYS (EQUIVALENT TO 70 GALLONS PER MINUTE), THE CONTRACTOR SHALL FILE A WATER WITHDRAWAL FACILITY REGISTRATION FORM WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF SOIL AND WATER RESOURCES IN ACCORDANCE WITH THE OHIO REVISED CODE, SECTION 1521.16.

FOR COPIES OF THE NECESSARY WELL LOG, DRILLING REPORT, OR REGISTRATION FORMS, PLEASE CONTACT: OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF WATER RESOURCES, 2045 MORSE ROAD, BUILDING B-3, COLUMBUS, OHIO 43229-6693, PHONE: (614) 265-6620

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO THE O.D.N.R. FOR THE REGISTRY, MAINTENANCE, AND ABANDONMENT OF ANY WITHDRAWAL DEVICE USED IN THE CONSTRUCTION OF THIS PROJECT.

041 <u>WORK IN PUBLIC RIGHTS-OF-WAY:</u> NO WORK SHALL BEGIN WITHIN THE PUBLIC RIGHT-OF-WAY UNTIL AN APPROVED *RIGHT-OF-WAY CONSTRUCTION OCCUPANCY PERMIT* HAS BEEN OBTAINED FROM THE CITY. THE CONTRACTOR SHALL INCLUDE WITH HIS PERMIT APPLICATION HIS TRAFFIC CONTROL PLAN FOR WORKING IN THE RIGHT-OF-WAY. THIS RESTRICTION INCLUDES, BUT IS NOT LIMITED TO, THE CLOSURE OF ANY STREET OR STREET LANES, THE CLOSURE OF ANY SIDEWALKS, AND THE PLACEMENT OF CONSTRUCTION EQUIPMENT, MATERIAL, TRAILERS AND/OR DEBRIS.

042 BACKFILL: ALL BACKFILL OF TRENCHES WITHIN THE PAVEMENT INFLUENCE LINES, AS SPECIFIED BY STANDARD CONSTRUCTION DRAWING P-27, SHALL BE COMPACTED GRANULAR MATERIAL PER CMSL ITEM 912, UNLESS OTHERWISE SPECIFIED. ALL OTHER TRENCH BACKFILL SHALL BE COMPACTED BACKFILL PER CMSL ITEM

043 CONSTRUCTION ENTRANCE: A MINIMUM OF FIVE (5) DAYS PRIOR TO BEGINNING WORK OR MOVING EQUIPMENT AND/OR MATERIALS ONTO THE SITE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEERING DEPARTMENT AN APPLICATION FOR A CURB CUT OR DRIVEWAY PERMIT FOR HIS CONSTRUCTION ENTRANCE. ALL DELIVERIES AND ACCESS TO THE SITE SHALL BE RESTRICTED TO THE APPROVED CONSTRUCTION ENTRANCE. AT THE TIME THE APPLICATION IS REVIEWED, THE EXISTING CURBING WILL BE INSPECTED AND ANY CRACKS OR BREAKS WILL BE NOTED. ANY CURBING DAMAGED DURING THE PROJECT WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE

THE CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING D-7 TO MINIMIZE THE TRACKING OF MUD, DIRT, STONES, AND OTHER DEBRIS FROM THE PROJECT SITE ONTO THE PUBLIC STREET. EXISTING CURBING REMOVED FOR THE PROJECT SHALL BE REPLACED PER CITY SPECIFICATIONS. DRIVE ENTRANCES ONTO THE PUBLIC STREET SHALL BE CONSTRUCTED IN CONFORMITY WITH STANDARDS AND SPECIFICATIONS OF THE CITY.

044 INSPECTIONS: VARIOUS ITEMS OF WORK ON THIS PROJECT WILL REQUIRE INSPECTIONS BY CITY PERSONNEL. INSPECTIONS WILL BE REQUIRED ON, BUT NOT LIMITED TO, CURB CUTS AND DRIVE APPROACHES, GAS TAPS AND LINE, WATER TAPS AND LINES, SANITARY SEWER TAPS AND LINE, STORM SEWER TAPS AND LINE, STORMWATER DETENTION OR RETENTION FACILITIES, AND DUMPSTER PADS AND ENCLOSURES. INSPECTIONS SHALL BE REQUESTED NO LESS THAN 48 HOURS IN ADVANCE. INSPECTIONS WILL ONLY BE PERFORMED MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS, BETWEEN 7:30 A.M. AND 3:30 P.M. FAILURE TO OBTAIN A REQUIRED INSPECTION SHALL BE CAUSE FOR THE CITY TO DENY SERVICE TO THE FACILITY.

SERIES 100: GENERAL NOTES ON EROSION CONTROL

102 <u>EROSION AND SEDIMENTATION CONTROL</u>: THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING SOIL EROSION, SILTING AND SEDIMENTATION RESULTING FROM HIS/HER OPERATIONS. IT SHALL BE THE OBJECTIVE OF THE CONTRACTOR TO CONTAIN EROSION. SILTING AND SEDIMENTATION TO THE PROJECT SITE INSOFAR AS PRACTICAL THE LOCATION AND TIMING OF ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE FIELD ADJUSTED TO PREVENT SIGNIFICANT IMPACTS ON RECEIVING WATERS AND/OR ADJOINING PROPERTIES IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL CONTINUE THROUGHOUT THE DURATION OF THE PROJECT OR UNTIL SUCH TIME THAT THE DISTURBED AREAS HAVE BEEN STABILIZED. THE ENGINEER MAY REQUIRE ADDITIONAL ACTIVITIES WHEN AND WHERE THE WORK AS SET FORTH IN THE STORM WATER POLLUTION PREVENTION PLAN IS NOT SUFFICIENT TO CONTROL THE EFFECTS OF EROSION, SILTING, AND/OR SEDIMENTATION IN CONFORMANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM CONSTRUCTION STORM WATER GENERAL PERMIT

ALL REASONABLE ATTEMPTS SHOULD BE MADE TO MINIMIZE THE TOTAL AREA OF DISTURBED LAND.

EACH SEDIMENT AND EROSION CONTROL MEASURE SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAS DAILY DURING PROLONGED RAINFALLS TO DETERMINE IF THE MEASURE IS FUNCTIONING AS REQUIRED. ANY NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY.

FIELD ADJUSTMENT FOR LOCATION AND DIMENSION OF SEDIMENT CONTROL DEVICES MAY BE MADE AS REQUIRED WITH THE APPROVAL OF THE CITY'S STORMWATER INSPECTOR. THE CITY OF LANCASTER ALSO RESERVES THE RIGHT TO REQUIRE ADDITIONS OR ALTERATIONS TO THE SEDIMENT CONTROL DEVICES SHOWN IN THE PLANS WHEN THEY ARE DEEMED INADEQUATE BY THE CITY'S STORMWATER INSPECTED.

EROSION CONTROL DEVICES REMOVED DURING GRADING OPERATIONS SHALL BE PUT BACK IN PLACE AT THE END OF THE DAY OR DURING INCLEMENT WEATHER.

TOPSOIL SHOULD BE REMOVED AND STOCKPILED FROM ALL WORK AREAS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IMMEDIATELY AFTER CONSTRUCTION OF DITCHES AND/OR BASE PAVING OF STREETS. TOPSOIL FROM THE STOCKPILE SHALL BE SPREAD OVER THE EXPOSED AREAS AND GRADED AS REQUIRED TO PREPARE AREAS FOR PERMANENT SEEDING. APPLICATION OF PERMANENT SEEDING, AGRICULTURAL LINE, FERTILIZER, AND MULCHING MATERIAL SHALL BE AS PER THE PERTINENT 659 ITEMS.

IF SHOWN ON THIS PLAN, ENERGY DISSIPATION DEVICES OR EROSION CONTROL MEASURES AT THE OUTFALL OF HE STORM SEWER SYSTEM SHALL BE INSTALLED AT THE TIME OF THE CONSTRUCTION OF THE OUTFALL.

AREAS WITHIN FIFTY (50) FEET OF A STREAM SHALL NOT BE DISTURBED UNLESS SPECIFICALLY PERMITTED IN THE PLANS. NO SOIL, ROCK, DEBRIS OR ANY OTHER SUCH MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE, OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER RESOURCE, UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE CITY ENGINEER AND, WHEN APPLICABLE, THE U.S. ARMY CORPS OF ENGINEERS FOR SUCH PURPOSED AS, BUT NOT LIMITED TO, THE CONSTRUCTION OF BRIDGES, CULVERTS AND FROSION CONTROL STRUCTURES

SEEDING SHOULD BE APPLIED THE SAME DAY THAT GRADING OPERATIONS ARE COMPLETE. ALL CONSTRUCTED SLOPES AND CUTS SHALL BE SEEDED AS EACH VERTICAL INTERVAL OF NO MORE THAN TEN (10) FEET IS COMPLETED. THE CONTRACTOR SHALL IRRIGATE OR WATER AS NECESSARY TO ESTABLISH A HEALTHY, EROSION RESISTANT COVER CROP OR GRASS STAND.

WHEN GRADING OPERATIONS SHALL CEASE FOR A PERIOD OF FOURTEEN (14) DAYS OR MORE, TEMPORARY SEEDING AND MULCHING PER 659 SHALL BE IMMEDIATELY APPLIED. IF AN UNFORESEEN DELAY IS ENCOUNTERED, THE CONTRACTOR SHALL BEGIN SEEDING AND MULCHING IMMEDIATELY WHEN RECOGNIZED

IF CONSTRUCTION TAKES PLACE FROM OCTOBER 1 TO FEBRUARY 28, ALL EXPOSED AREAS ARE TO BE TEMPORARILY MULCHED UNTIL MARCH 1 AND THEN PERMANENTLY SEEDED AS PREVIOUSLY SPECIFIED. MULCHING SHALL BE APPLIED AT A RATE OF 100 POUNDS PER 1000 SQUARE FEET. IT SHALL BE ANCHORED WITH LIQUID ASPHALT RAPID CURING (R.C. 70, 250 OR 800) AT A RATE OF 0.04 GALLONS PER SQUARE YARD. WHEN APPLIED DURING FREEZING WEATHER IT SHALL BE CUT BACK WITH A KEROSENE LIKE PRODUCT. IN AREAS WHERE RUNDEE WATER IS CONCENTRATED, MULICH NETTINGS OF JUTE, BIO, DEGRADABLE SYNTHETIC MATERIALS OR LIGHT WEIGHT PAPER SHALL BE USED TO HOLD THE MULCH IN PLACE. SUBSTITUTE ANCHORING

METHODS MAY BE USED SUCH AS STRAIGHT DISK OR NOTCHED DISK TO TUCK THE STRAW INTO THE SEEDBED THREE (3) INCHES HORIZONTAL TO THE SLOPE.



IN ADDITION TO THE ABOVE DESCRIBED WORK. THE CONSTRUCTION DRAWINGS OR CONTRACT DOCUMENTS MAY CONTAIN OTHER NOTES, CONTINGENCY QUANTITIES OR CONSTRUCTION AND MATERIAL SPECIFICATION THAT SET FORTH OTHER EROSION CONTROL WORK TO BE PERFORMED ON THE PROJECT. IN SUCH CASES, THE OTHER WORK SHALL BE PERFORMED IN ADDITION TO THE WORK DESCRIBED ABOVE.

THE ABOVE WORK, WHERE NOT SPECIFICALLY ITEMIZED IN THE QUANTITIES, SHALL BE CONSIDERED INCIDENTAL TO THE EARTHWORK AND SEEDING WORK AS SET FORTH IN THE PLANS AND THE COST OF MATERIALS. LABOR AND EQUIPMENT SHALL BE INCLUDED IN THE UNIT PRICES BID FOR EARTHWORK AND SEEDING AND MULCHING.

ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE OHIO DEPARTMENT OF NATURAL RESOURCE'S RAINWATER AND LAND DEVELOPMENT MANUAL, LATEST EDITION IN FORCE AT THE TIME OF THE BID OPENING.

105 DUST CONTROL: THE CONTRACTOR IS ADVISED THAT HIS WORK WILL BE IN CLOSE PROXIMITY TO OCCUPIED RESIDENCES AND BUSINESSES AND SHALL MAKE ALL REASONABLE EFFORTS TO PERFORM THE EARTHWORK OPERATIONS IN A MANNER TO MINIMIZE DUST. WHEN, IN THE ENGINEER'S DETERMINATION, DUST IS A PROBLEM. THE CONTRACTOR SHALL APPLY A DUST PALLIATIVE PER ITEM 616.

SERIES 300: GENERAL NOTES ON MAINTENANCE OF TRAFFIC

301 TRAFFIC CONTROL: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN TRAFFIC WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL ERECT, MAINTAIN AND REMOVE THE NECESSARY TRAFFIC CONTROL DEVICES, BARRICADES, FLAGMEN, AND LIGHTS TO SAFELY MAINTAIN TRAFFIC AROUND HIS OPERATIONS. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE CITY OF LANCASTER'S TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANC OPERATIONS

IN NO CASE SHALL THE STIPULATIONS OF THESE TRAFFIC CONTROL NOTES WAIVE THE REQUIREMENTS OF EITHER THE CONSTRUCTION AND MATERIAL SPECIFICATIONS OR THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

SERIES 600: GENERAL NOTES ON DRAINAGE

601 <u>SPRING DRAINS AND DRAIN TILE</u>: ANY SPRINGS OR EXISTING DRAIN TILE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL BE REPORTED TO THE CITY ENGINEER. ALL SPRINGS SHALL BE DRAINED TO AN OUTLET APPROVED BY THE CITY ENGINEER. ANY EXISTING DRAIN TILE BROKEN DURING EXCAVATION SHALL BE REPLACED TO ITS ORIGINAL OR BETTER CONDITION, CONNECTED EITHER TO CURB UNDERDRAIN OR STORM SEWER SYSTEM, OR BE DIRECTED TO AN UNOBSTRUCTED OUTLET WITH THE INSTALLATION OF NEW UNDERDRAIN AS APPROVED BY THE CITY ENGINEER. THE CITY ENGINEER MAY REQUIRE, AT HIS OPTION, TO CONNECT ANY/ALL EXISTING OR PROPOSED DRAIN TILE FOUND ON THIS PROJECT TO OTHER TILE, A STORM SEWER, OR TO AN UNOBSTRUCTED OUTLET. IN NO CASE SHALL THE DRAIN BE CONNECTED TO A SANITARY SEWER OR ALLOWED TO FLOW ONTO A PUBLIC STREET

THE CONTRACTOR SHALL PERFORM THIS WORK ONLY AS DIRECTED BY THE CITY ENGINEER. THE CONTRACTOR SHALL NOT ORDER MATERIALS FOR THIS WORK UNTIL DIRECTED BY THE CITY ENGINEER, AND IN THE EVENT NO SPRINGS OR EXISTING DRAIN TILE ARE ENCOUNTERED, THE ITEM SHALL BE NON PERFORMED.

WHERE THE CITY ENGINEER REQUIRES NEW DRAIN TILE BE INSTALLED AS DESCRIBED ABOVE, THE COST OF SUCH WORK SHALL BE PAID FOR AT THE UNIT BID PRICE FOR THE FOLLOWING CONTINGENCY QUANTITIES:

4" UNCLASSIFIED PIPE UNDERDRAIN, 706.08 OR 707.41 100 LF 6" UNCLASSIFIED PIPE UNDERDRAIN, 706.08 OR 707.41 100 LF ITEM 605:

> RAS CIVIL ENGINEERING, LLC CIVIL ENGINEERING & SURVEYING SERVICES P.O. BOX 114 • AMLIN, OHIO • 43002 614-581-8504 • RICK SICKER@ATT.NET

FILE NO.	14.0288

- IMP. ACCT. NO.

City of Lancaster, Ohio

FAIRFIELD CO. BOARD OF DEVELOPMENTAL DISABILTIES 795 COLLEGE AVENUE ~ LANCASTER, OHIO

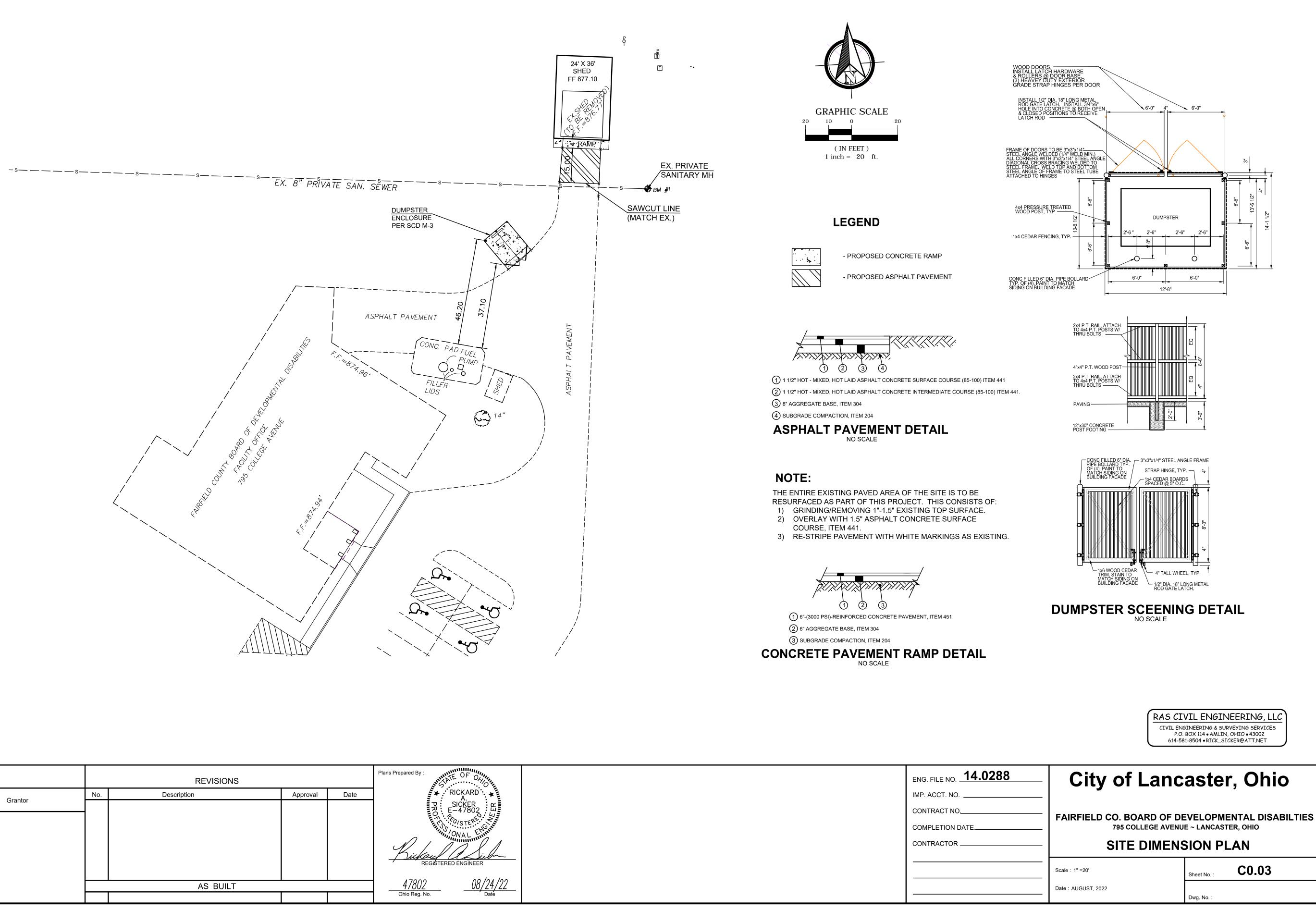
GENERAL NOTES

Date : AUGUST, 2022

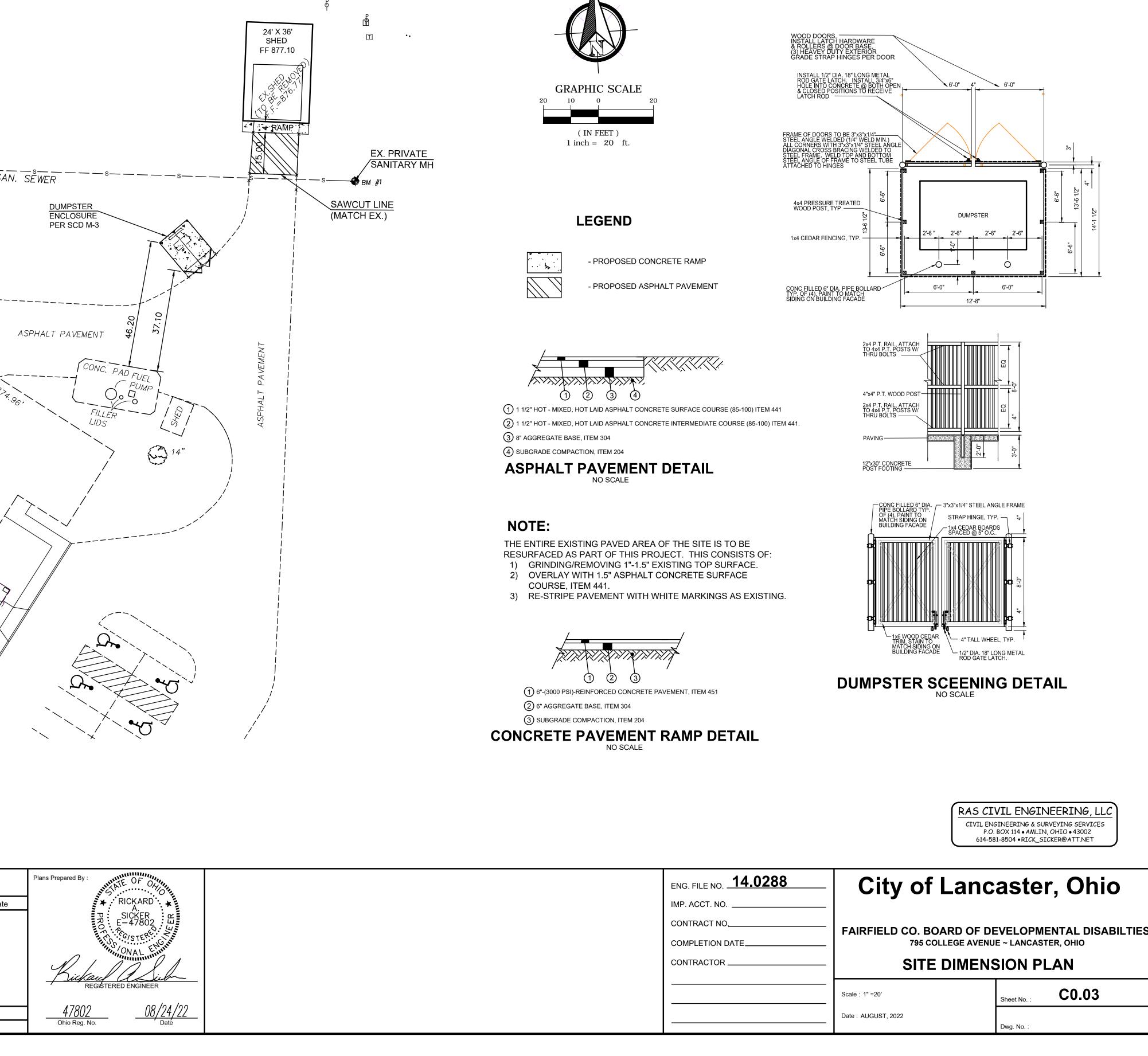
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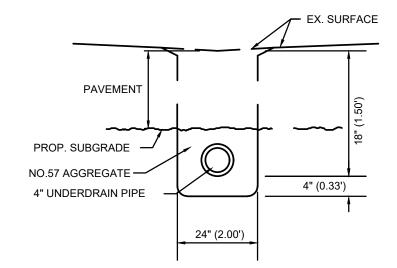
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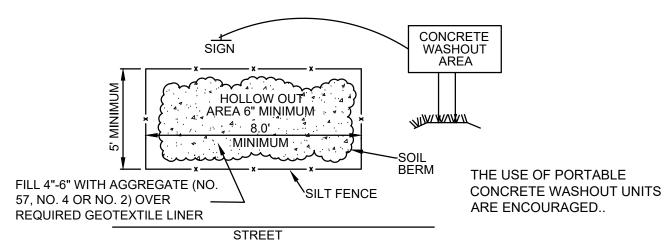
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UNDERDRAIN SHALL CONSIST OF 4" PERFORATED PIPE, ASTM F-405 HEAVY DUTY OR ASTM F-667 HEAVY DUTY-SLOT PERFORATED ONLY, LAID OUT AS SHOWN AT 1.00%. DEPTH TO BE A MINIMUM OF 18" WITH UP STREAM ENDS TO BE PLUGGED. NO. 57 AGGREGATE SHALL EXTEND FROM A POINT 4" BELOW THE UNDERDRAIN PIPE TO THE BOTTOM OF THE PAVEMENT BASE FOR THE LENGTH OF THE UNDERDRAIN.

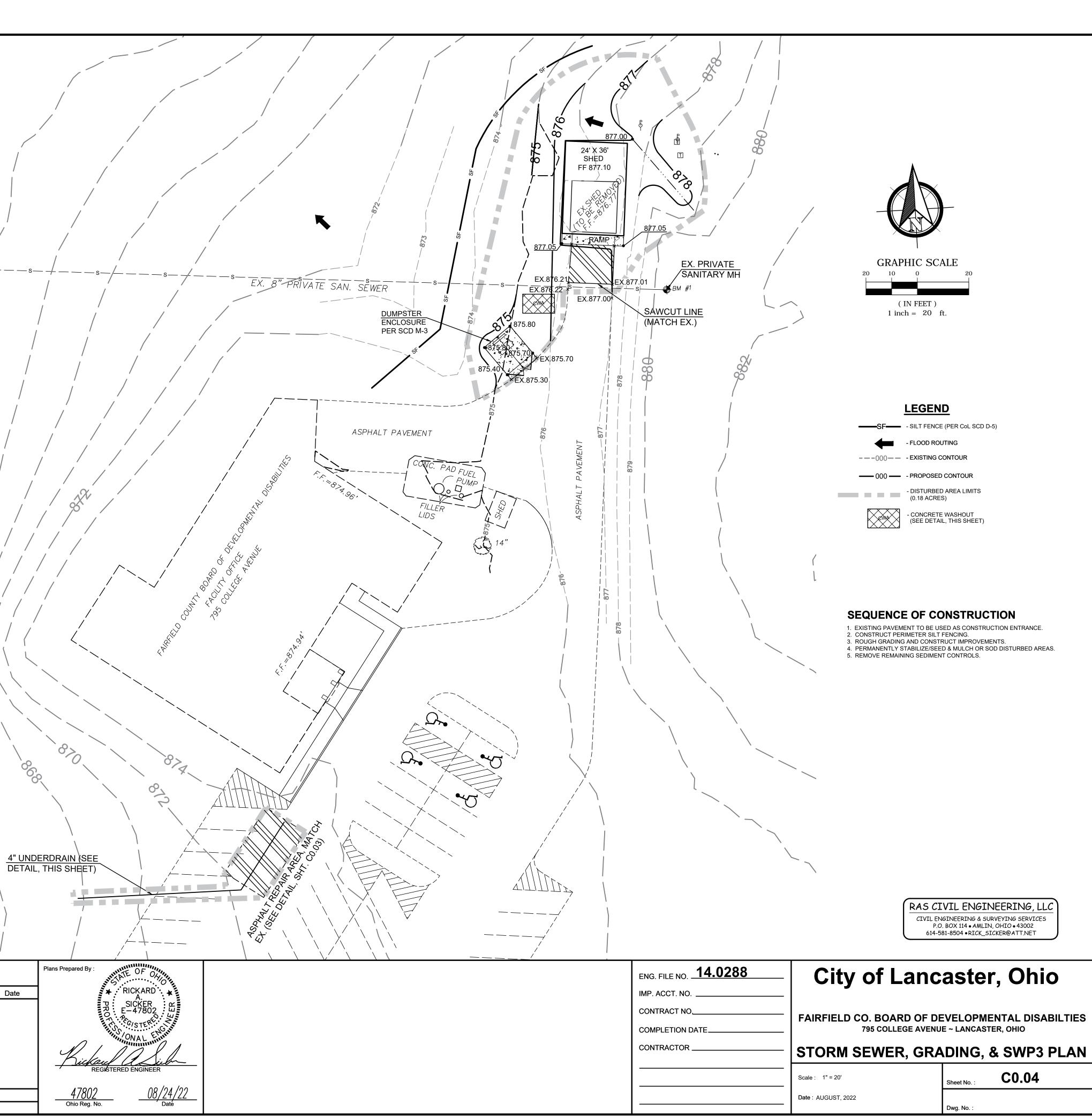


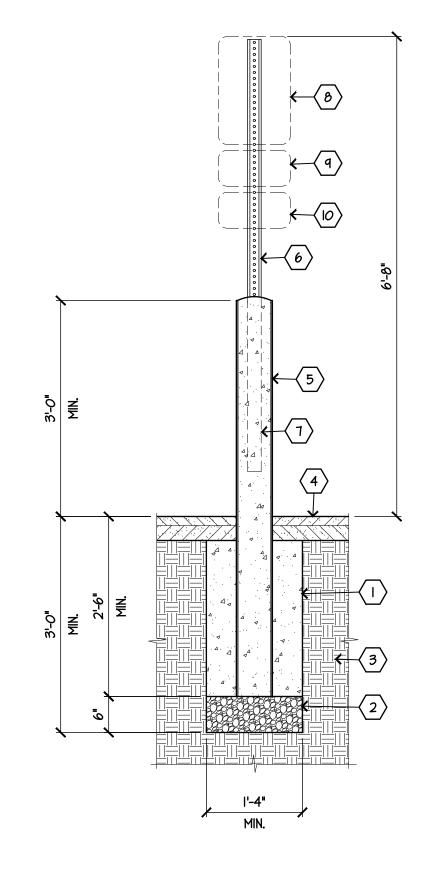


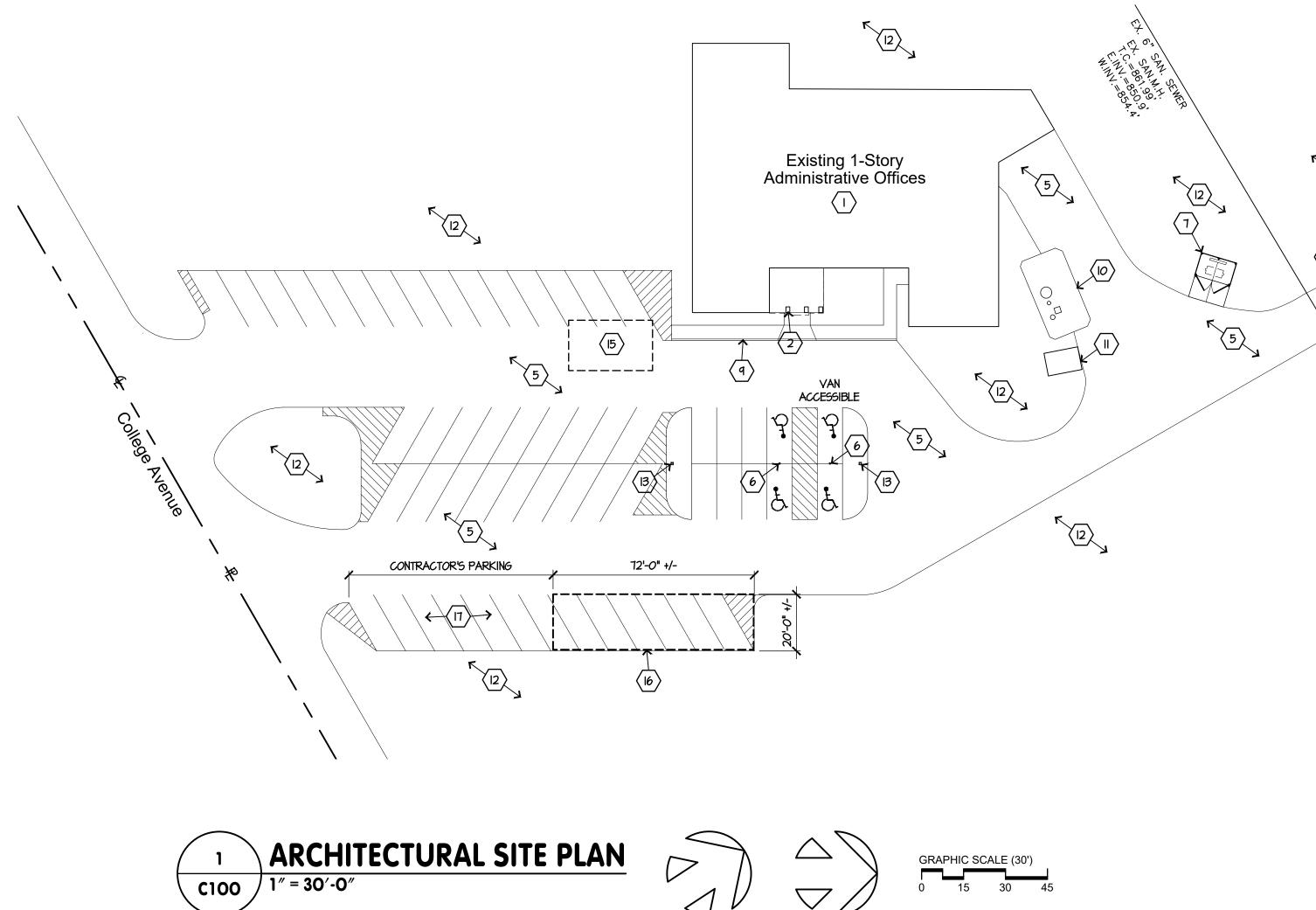


CONCRETE WASHOUT AREA NO SCALE

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CALLED NORTH





GENERAL NOTES

- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. SITE PLAN INFORMATION SUPPLIED TO THE ARCHITECT BY THE OWNER. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE SITE PLAN INFORMATION.
- 3. FIELD DETERMINE ALL DIMENSIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO START OF ANY NEW WORK. IMMEDIATELY NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.
- 4. HANDICAP SIGNS: THE CHARACTERS AND BACKGROUND OF SIGNS SHALL EGG-SHELL, MATTE OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL BE CONTRAST WITH THEIR BACKGROUND - EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. THE USE OF ALUMINUM METAL SIGNS IS ACCEPTABLE.

PLAN NOTES \bigcirc

- I. EXISTING OFFICE BUILDING HAVING NEW INTERIOR RENOVATIONS AND NEW EXTERIOR PORCH COVER AND A NEW MANSARD FACADE, FLOOR AREAS: TABULATED = 8,748 sq. ft., GROSS = 9,048 SQ. FT.
- 2. EXISTING COVERED FRONT ENTRANCE ABOVE SHOWN DASHED, REFER TO DEMOLITION PLAN AND NEW WORK FLOOR PLAN.
- 3. LINE AT EXISTING STORAGE BUILDING REMOVED SHOWN DASHED.
- 4. NEW WOOD FRAMED MAINTENANCE BUILDING, FLOOR AREAS: TABULATED = 761 sq. ft., GROSS = 864 sq. ft.
- 5. EXISTING ASPHALT PAVED DRIVEWAYS AND EXISTING PARKING SPACES: (52) 9'-0" x 18'-0" SPACES AND (4) 9'-0" x 18'-0" ACCESSIBLE SPACES; REMOVE AND RECYCLE APPROXIMATELY 1-1/2 IN. TH. WEAR LAYER OF ENTIRE PARKING LOT DRIVEWAYS, INSTALL NEW ASPHALT, APPLY NEW PARKING SPACE MARKINGS MATCHING EXISTING, REFER TO CIVIL ENGINEER'S DRAWINGS.
- 6. PROVIDE (2) NEW POSTS AND (4) ACCESSIBILITY PARKING SIGNS AND (1) VAN ACCESSIBLE SIGN, REFER TO DETAIL THIS SHEET AND SHEET HCIOO.
- 7. NEW REFUSE ENCLOSURE, REFER TO CIVIL ENGINEER'S DRAWINGS.
- 8. REMOVE EXISTING ASPHALT AND INSTALL NEW STEEL REINFORCED 4,500 psi AIR ENTRAINED CONCRETE APRON, REFER TO NEW WORK PLANS.
- 9. EXISTING CONCRETE CURBS AND WALKS TO REMAIN, NO WORK.
- IO. EXISTING FUEL ISLAND FOR SCHOOL BUSES TO REMAIN, NO WORK. NOTE: ALWAYS MAINTAIN CLEAR AREA AT DRIVEWAYS TO ALLOW SCHOOL BUSES TO FUEL.
- II. EXISTING WOOD FRAMED SHED TO REMAIN, NO WORK.
- 12. LAWN AREA TO REMAIN, INSTALL GRASS SEED AND MULCH WHERE DISTURBED BY DEMOLITION WORK AND / OR NEW WORK.
- 13. EXISTING LIGHT POST TO REMAIN, NO WORK REQUIRED.
- 14. APPROXIMATE LOCATION OF EXISTING SANITARY SEWER PIPING FROM FAIRFIELD COUNTY'S AGRICULTURAL CENTER BUILDING TO REMAIN.
- 15. APPROXIMATE AREA OF UNDERGROUND WATER SEEPING THROUGH EXISTING ASPHALT PAVING, REFER TO CIVIL ENGINEER'S DRAWINGS.
- 16. APPROXIMATE AREA SHOWN DASHED TO BE USED FOR CONTRACTOR STAGING AREA.
- 17. PARKING SPACES TO BE USED BY CONTRACTOR, ADDITIONAL SPACES MAY BE AVAILABLE FOR USE BUT BE APPROVED BY OWNER AND IN LOCATION AS DIRECTED BY OWNER.

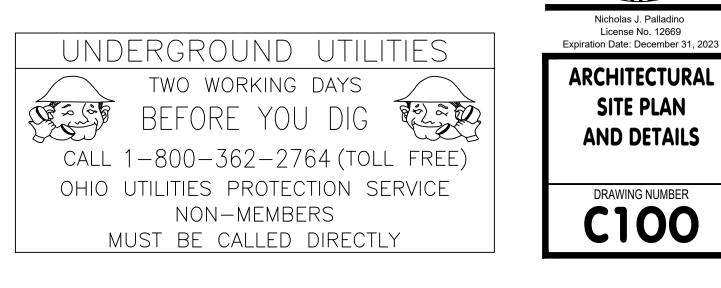
DETAIL 2/C100 NOTES \bigcirc

- I. 16 IN. DIA. POST HOLE, BACKFILL WITH 3,000 psi AFTER PIPE BOLLARD IS INSTALLED.
- 2. 6 IN. COMPACTED GRANULAR FILL.
- 3. UNDISTURBED EARTH.

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- 4. TOP OF EXTERIOR PAVEMENT OR CONCRETE FLOOR.
- 5. 6 IN. DIA. SCHEDULE 40 STEEL PIPE, FILL WITH 3,000 psi CONCRETE, INSTALL SIGN POST BEFORE "SETTING" OF CONCRETE, PROVIDE "ROUNDED" CONCRETE CAP.
- 6. 72 IN. U-CHANNEL, GALVANIZED STEEL, 2 lbs. / ft., BAKED ENAMEL, SIGN POST WITH 3/8 IN. DIA. FASTENER HOLES AT I IN. OC.
- 7. DASHED LINE AT SIGN POST CENTERED-SET INTO PIPE BOLLARD.
- 8. 12 IN. W. X 18 IN. H. X 16 GAUGE STEEL HANDICAP SIGN WITH INTERNATIONAL HC PICTOGRAM AND TEXT "HANDICAPPED PARKING ONLY", REFER TO GENERAL NOTE No. 4 AND SHEET HOLOO.
- 9. 12 IN. W. x 6 IN. H. x 16 GAUGE STEEL HANDICAP SIGN WITH TEXT "VAN ACCESSIBLE", INSTALL TO THE RIGHT SIDE OF ENTRANCE DOOR, REFER TO GENERAL NOTE No. 4 AND SHEET HCIOO.
- IO. 12 IN. W. X 6 IN. H. X 16 GAUGE STEEL HANDICAP SIGN WITH TEXT "MAXIMUM FINE \$500", REFER TO GENERAL NOTE No. 4 AND SHEET HCIOO.





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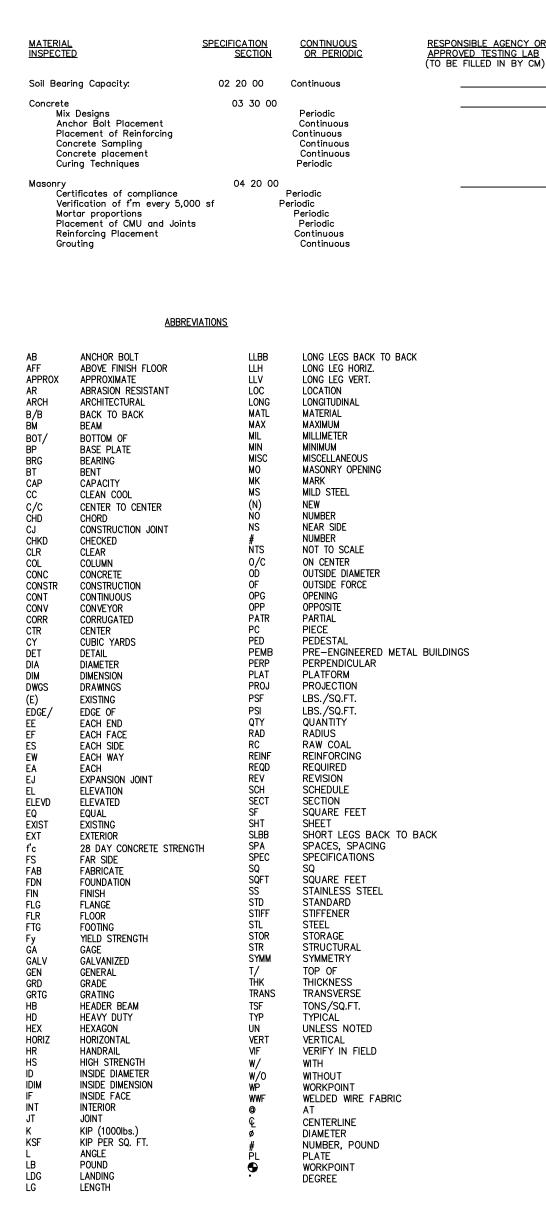
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New Maintenance Building ND OF DEVELOPMENT

for

STATEMENT OF SPECIAL INSPECTION REQUIREMENTS



GENERAL STRUCTURAL NOTES

<u>GENERAL</u>

- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND TS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MIGHT BE SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
- 2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- 3. MECHANICAL EQUIPMENT LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR.
- 4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN. 5. GOVERNING CODE: 2017 OHIO BUILDING CODE W/ 2018 AMENDMENTS

6. DESIGN LOADS: FLOOR LIVE LOADS:

- SLAB ON GRADE (EXCEPT MECH) 100 PSF ROOF LIVE LOADS: 20 PSF ROOF SNOW LOADS: - GROUND SNOW LOAD (Pg) 20 PSF - ROOF SNOW LOAD - SNOW EXPOSURE FACTOR (Ce) 20 PSF + DRIFT - SNOW LOAD IMPORTANCE FACTOR (Is) 1.0 - THERMAL FACTOR (Ct) 1.0 WIND LOADS: (IN ACCORDANCE WITH`1609) 115 MPH ULTIMATE WIND SPEED WIND RISK CATEGORY EXPOSURE B EXPOSURE CATEGORY - INTERNAL PRESSURE COEFFICIENT +/- 0.18 – COMPONENTS & CLADDING SEE TABLE THIS SHEET SEISMIC DESIGN DATA: - SEISMIC DESIGN CATEGORY - SEISMIC IMPORTANCE FACTOR (Ie) - SEISMIC RISK CATEGORY 0.136 0.057 - SITE CLASS 0.187 0.091 SEISMIC FORCE RESISTING SYSTEM - MAIN BUILDING: LIGHT FRAME WALLS W/ SHEAR PANELS OF WOOD STRUCTURAL PANELS AND PANELS OF OTHER MATERIALS L DEMISING WALLS, CORRIDOR WALLS, AND WALLS NOTED) ALL DEMISING WALLS, CORRIDOR WALLS, AND WALLS AND ORDINARY REINFORCED MASONRY SHEAR WALLS.
 - DESIGN BASE SHEAR 3 KIPS - SEISMIC RESPONSE COEFFICIENT (Cs) 0.01 - RESPONSE MODIFCIATION FACTOR (R) 2.0 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

REINFORCED CONCRETE

- A. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI-301-99, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- B. STRUCTURAL CONCRETE: CLASS LOCATION f'c psi
- FOOTINGS
- INTERIOR SLABS ON GRADE, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED
- EXTERIOR SLABS ON GRADE, SITE CONCRETE, 111
- 4,000 (W/AIR) GARAGE SLABS, AND ALL OTHER CONCRE EXPOSED TO WEATHER NOT OTHERWISE IDENTIFIED.
- IV BACKFILL BELOW FOOTINGS

C. ALL DEFORMED REINFORCING BARS: FY = 60,000 PSI.

2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15 IN THE FIELD OFFICE AT ALL TIMES. 3. CONTINGENCIES:

- A. PROVIDE 1/2 TON OF REINFORCING BARS TO BE USED AS DIRECTED BY THE ARCHITECT/ENGINEER. COLD BEND IN THE FIELD, IF REQUIRED.
 B. PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER EXCAVATION, SOFT SPOTS, AND TRENCHES.
- 4. FOOTINGS, PIERS, WALLS: A. DOWELS IN FOOTINGS TO MATCH VERTICAL PIER OR WALL REINFORCING. B. PROVIDE CORNER BARS AT WALL AND FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING. MINIMUM LENGTH OF EACH LEG - 36 BAR DIAMETERS. C. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BOTH ADJACENT FLOOR SLABS

ARE IN PLACE. 5. SPLICES:

1. MATERIALS:

- A. SPLICES FOR VERTICAL STEEL IN WALLS OR PIERS LAP 30 DIAMETERS, UNLESS NOTED OTHERWISE. B. MINIMUM LAP FOR FOOTING, SLAB, AND HORIZONTAL WALL REINFORCING = 36
- DIAMETERS. 6. WEDGE ANCHORS AND CHEMICAL ANCHORS
- A. MINIMUM EMBEDMENT SHALL BE 6 BOLT DIAMETERS, EXCEPT AS NOTED OTHERWISE.

STRUCTURAL STEEL 1. MATERIALS:

- A. STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A 572 OR A992, FY = 50 KSI; STRUCTURAL STEEL CHANNELS, PLATES, ANGLES, ETC.: ASTM A36, FY = 36 KSI; HIGH STRENGTH BOLTS: ASTM A325 OR A490; ANCHOR BOLTS: ASTM A36 OR ASTM A307; ELECTRODES: SERIES E70; STRUCTURAL PIPES: ASTM A53, TYPE E OR S, GRADE B, FY = 35 KSI; STRUCTURAL TUBING: ASTM A500, GRADE B, FY = 46 KSI;
- 2. SPECIFICATIONS: WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY THE LATEST REVISIONS OF: A. AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL
- STEEL FOR BUILDINGS. B. AISC CODE OF STANDARD PRACTICE. STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY. D. SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
- 3. CONNECTIONS: A. FIELD CONNECTIONS TO BE BOLTED, EXCEPT AS OTHERWISE INDICATED. SHOP CONNECTIONS TO BE WELDED OR BOLTED. CONNECTIONS TO BE DESIGNED BY THE FABRICATOR TO DEVELOP FULL STRENGTH OF MEMBER OR FORCES SHOWN ON PLANS, WHICHEVER GOVERNS. FOLLOW INSTRUCTIONS ON DRAWINGS FOR GENERAL
- 4. PAINT: A. DO NOT PAINT STEEL OR ANCHOR BOLTS WHICH WILL BE ENCASED IN CONCRETE OR MASONRY, OR ANY STEEL WHICH WILL BE LOCATED INSIDE THE FINISHED PRODUCT CONCEALED FROM VIEW. PAINT ALL INTERIOR EXPOSED STEEL WITH ONE COAT OF FABRICATOR'S STANDARD PRIMER. UNLESS NOTED OTHERWISE. PAINT LINTELS. EXPOSED MEMBERS, AND ALL EXTERIOR STEEL WITH TWO COATS OF RED OXIDE PRIMER.

5. MISCELLANEOUS: A. PROVIDE HOLES FOR OTHERS. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL. B. STEEL SUPPORTING OR CONNECTING TO MECHANICAL AND OTHER EQUIPMENT AND ROOF OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL AND/OR ON

ARRANGEMENT OR PARTICULAR DETAILS.

- STRUCTURAL DRAWINGS IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL RECONCILE EXACT SIZE AND LOCATION WITH MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH HIS WORK. C. GROUT UNDER BEARING PLATES TO BE NON-SHRINKING TYPE. EXPOSED GROUT SHALL BE NON-METALLIC
- D. STEEL BELOW GRADE TO BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE OR 4" OF E. PROVIDE 1/4" THICK SETTING PLATES FOR ALL BEAMS AND BEAM LINTELS BEARING ON
- MASONRY OR CONCRETE WHICH DO NOT REQUIRE A BEARING PLATE. F. PROVIDE HEAVY WASHER AT ALL ANCHOR BOLTS. G. FINISH ENDS OF ALL COLUMNS, STIFFENERS AND ALL OTHER MEMBERS IN DIRECT
- H. PROVIDE BOLT HOLES FOR WOOD NAILERS AND JOISTS BOLTED TO BEAMS. I. MINIMUM BEAM BEARING ON MASONRY = 8". J. STEEL IN CONTACT WITH PRESSURE-TREATED LUMBER SHOULD BE PROTECTED FROM CORROSION FROM PRESERVATIVE CHEMICALS WITH A MINIMUM OF A 20 MIL VAPOR

MASONRY

- A. CONCRETE BLOCK: ASTM C90 (HOLLOW AND SOLID)
 B. MORTAR: TYPE S, MINIMUM COMPRESSIVE STRENGTH: 1800 PSI
 C. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE: 2500 PSI
 D. JOINT REINFORCING: STANDARD DUR-O-WAL, MILL GALVANIZED FINISH
- 2. MISCELLANEOUS:

1. MATERIALS:

- A. PROVIDE 100% SOLID BEARING, MINIMUM 3 COURSES UNDER BEAMS, 1 COURSE UNDER JOISTS, UNLESS DETAILED OTHERWISE. B. FILL CORE SOLID AROUND ANCHOR BOLTS.
- A. FILL CORE SOLID AROUND ANCHOR BOLIS.
 C. HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL COURSES OF PIERS, AND PILASTERS, AND IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR
- GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS. PROVIDE JOINT REINFORCING AT 16", EXCEPT AS NOTED. PROVIDE APPROPRIATE MASONRY ANCHORS AT 16" O.C. MAX. TO TIE MASONRY TO ABUTTING VERTICAL STEEL AND CONCRETE SURFACES. F. PROVIDE SOLID BLOCKS OR SOLIDLY FILLED HOLLOW BLOCKS AT ALL EXPANSION
- ANCHOR LOCATIONS.
- G. EXPANSION ANCHORS SHALL HAVE MINIMUM EMBEDMENT OF 6 BOLT DIAMETERS, EXCEPT AS DETAILED OTHERWISE. H. WHERE HOLLOW MASONRY UNITS ARE USED ABOVE HOLLOW MASONRY UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF SOLID MASONRY AT
- LEAST 8" HIGH BELOW THE TRANSITION. I. ALL SPLICES FOR VERTICAL WALL REINFORCING ARE TO BE LAPPED A MINIMUM OF 48
- BAR DIAMETERS. J. ALL GROUTING OF MASONRY WALLS SHALL BE BY THE LOW-LIFT GROUTING METHOD (MAXIMUM LIFT HEIGHT 4'-0"), UNLESS CLEAN-OUTS AND INSPECTION ARE PROVIDED.

LINTEL NOTES

- PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS. NOT ALL LINTELS ARE SHOWN ON THE STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS OF OPENINGS, AND FOR STANDARD LINTELS, USE THE APPROPRIATE LINTEL FROM THE SCHEDULE IN NOTE 2 BELOW. ALL EXTERIOR LINTELS TO BE HOT DIP GALVANIZED.
- 2. FOR NON-DESIGNATED LINTELS, PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS, AND USE 6" MINIMUM BEARING EACH END. FOR BEAM LINTELS, STOP BOTTOM PLATE 1/8" SHORT OF JAMBS, AND USE 8" OF JAMBS, AND USE 8" MINIMUM BEARING EACH END.

SECTION L 3-1/2 X 3-1/2 X 5/16

L 4 X 3–1/2 X 5/16 LLV L 5 X 3–1/2 X 5/16 LLV L 6 X 3–1/2 X 5/16 LLV L 6 X 3–1/2 X 5/16 LLV

W8x28 - SEE TYPICAL DETAIL ON SO1.

MASONRY ROUGH OPENING TO 4'-0" 4'-1" TO 5'-6" 5'-7" TO 6'-6" 6'-7" TO 8'-0"

8'-0" TO 12'-0"

3,000

3.500

1,500

BARRIER. BOLTS AND SCREWS THROUGH PRESSURE-TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.

REINFORCING CLEARANCES/COVER (#3 – #11 BARS) EXPOSURE CONDITION MIN. COVER U.N.O. TOLERANCE CAST AGAINST AND PERMANENTLY 3" -3/8", + EXPOSED TO EARTH EXPOSED TO EARTH OR WEATHER: #5 AND SMALLER BARS 1 1/2" -1/4". +1/2 #6 AND LARGER BARS -1/4", +1/2 NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: 3/4" 1/4", +3/8 SLABS, WALLS, BEAMS, COLUMNS, PIERS - TO TIES & STIRRUPS 1 1/2" -1/4", +1/2'

"-" INDICATES TOLERANCE DECREASE TOWARDS MEMBER FACE. "+" INDICATES AWAY FROM MEMBER FACE

LAP SPLICE SCHEDULE FOR MASONRY REINFORCING							
MARK	6" CMU	8" CMU	10" CMU	12" CMU			
#4	24"	24"	24"	24"			
# 5	31"	30"	30 "	30"			
# 6	60"	43"	39 "	39"			
# 7	-	59"	46"	46"			
# 8	-	*91"	*70"	60 "			
# 9	-	-	*90"	*73"			

1. * INDICATES LAP LENGTH GREATER THAN MAXIMUM ALLOWABLE HEIGHT OF 5'-0" FOR LOW-LIFT GROUTING.

2. APPLICABLE ONLY TO BARS CENTERED IN GROUT CORE. 3. APPLICABLE ONLY FOR 60 KSI STEEL AND ASTM C90 BLOCK.

LAP SPLICE SCHEDULE FOR CONCRETE REINFORCING							
3,000 psi CONCRETE UNCOATED REINFORCING BARS							
BAR SIZE	3/4" CLR.	1 ^{°°} CLR. AND GREATER					
#4	37"	37"					
#*	28"	28"					
# 5	46"	46"					
#0	36"	36"					
#6	56"	56"					
#0	43"	43"					
# 7	90"	81"					
#'	69"	62"					
#8	111"	93"					
#0	85"	71"					
# 9	134"	104"					
πο	103"	80"					
# 10	162"	118"					
#10	124"	90"					
# 11	190"	131"					
<i>π</i> ''	146"	100"					
тс	P BARS	TOP BARS DEFINED AS HO					

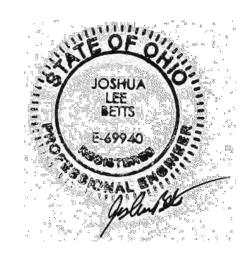
D AS HORIZONTAL WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR. OTHER BARS

2. BAR SPACING TO BE A MINIMUM OF THREE DIAMETERS UNLESS NOTED OR SCHEDULED OTHERWISE.

3. APPLICABLE ONLY FOR 60ksi STEEL AND NORMAL WEIGHT CONCRETE.

4. IN LIEU OF LAP SPLICING, BARS MAY BE SPLICED BY MECHANICAL MEANS WHICH DEVELOP 125% OF THE BAR'S SPECIFIED YIELD STRENGTH.

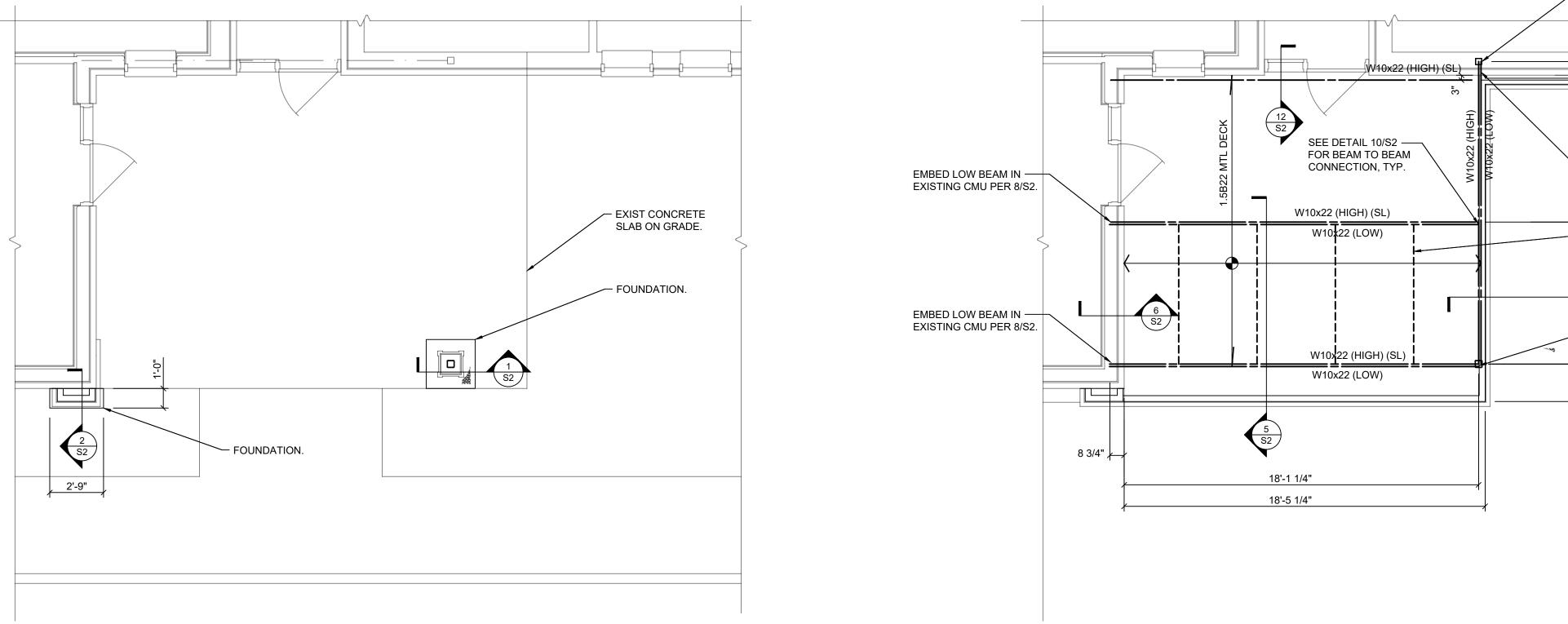
Office Facility Alterations and New Maintenance Building for the: FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 College Avenue Lancaster, Ohio 43130
COMMISSION No.
COMMISSION No. P2118 ISSUE MARK DATE PERMIT 1 08/02/2022 BIDDING 02/15/2023
P2118 ISSUE MARK DATE PERMIT 1 08/02/2022
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Betts Structural Engineering LLC 304 Long St Ashville, OH 43103 740.954.3006 www.bsellc.us BSE project #: A60022-001



SCHEDULES





FOUNDATION NOTES

- 1. ASSUMED ALLOWABLE SOIL BEARING PRESSURE = 1,500 PSF FOR FOOTINGS.
- KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH CLASS IV CONCRETE.
- 3. TOP OF EXISTING INTERIOR CONCRETE SLAB = 100'-0" U.N.
- 4. TOP OF FOOTING ELEVATION IS 97'-4" UNLESS NOTED OTHERWISE. ELEVATIONS SHOWN ON FOOTINGS INDICATE TOP OF FOOTING.
- FROST DEPTH IS 36 INCHES BELOW EXTERIOR GRADE.
- VERIFY LOCATION, SIZE AND NUMBER OF ALL FLOOR DEPRESSIONS AND FLOOR SLOPES WITH ARCHITECTURAL AND MEP DRAWINGS.
 SEE SHEET S0 FOR GENERAL STRUCTURAL NOTES AND SPECIAL INSPECTION REQUIREMENTS.

ROOF FRAMING PLAN

- ROOF DECK FRAMING NOTES
 1. DESIGN LIVE LOAD: SEE SO
- 2. ROOF CONSTRUCTION: 1 1/2" 20GA METAL DECK ON STEEL BEAMS.
- 3. BEAM BEARING ELEVATION = VARIES.
- REFERENCE ELEVATION: FIRST FLOOR EXISTING CONCRETE SLAB ON GRADE ELEVATION = 100'-0" 4. INDICATES HEADER. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND ELEVATION OF HEADERS. SEE SCHEDULE THIS SHEET FOR REQUIRED SIZE.
- DIMENSIONS ARE TYPICALLY TO EXTERIOR FACE OF SHEATHING, FACE OF STUD, OR FACE OF MASONRY.
- 6. SEE SHEET SO FOR GENERAL STRUCTURAL NOTES.

	Office Facility Alterations and New Maintenance Building for the: FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 College Avenue Lancaster, Ohio 43130
	ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009
	COMMISSION No. P2118 ISSUE MARK DATE PERMIT 1 08/02/2022 BIDDING 02/15/2023 UNDERSEA DATE 02/15/2023 DIDING 02/15/2023
Ф	DRAWN BY: CCB
	FOUNDATION & FRAMING PLAN

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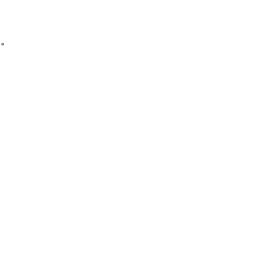
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 EMBED LOW BEAM IN EXISTING CMU PER 8/S2.

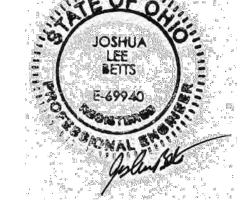
 L3x3x1 DIAG BRACE AT 4'-0" O.C. (MAX).

HSS4x4x¹/₄ COLUMN. SEE DETAIL 9/S2 & 12/S2.

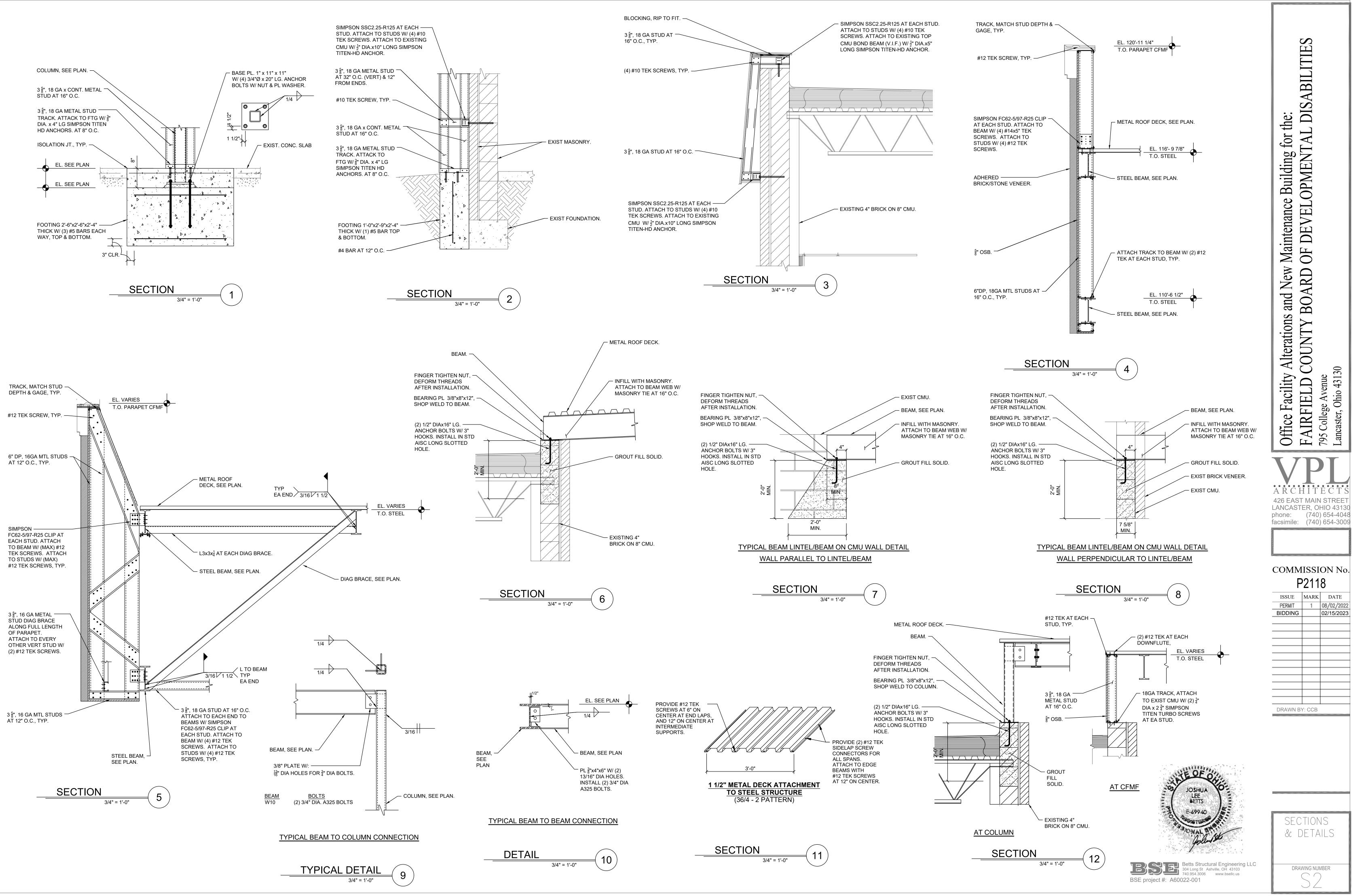


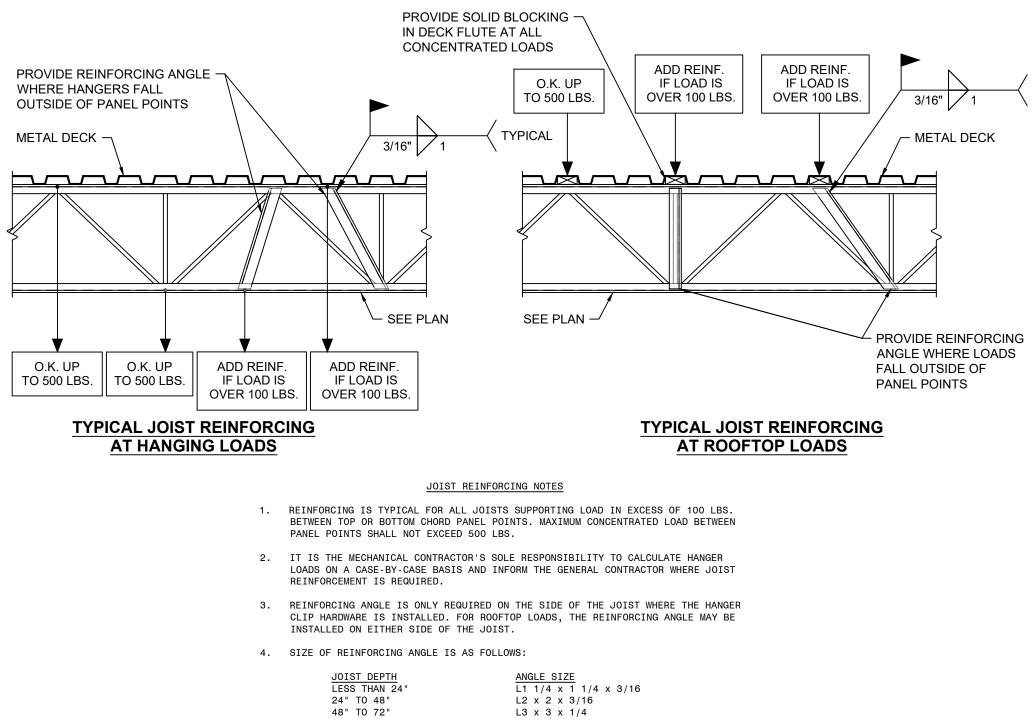




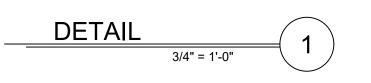


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TYPICAL JOIST REINFORCEMENT FOR MECH UNITS



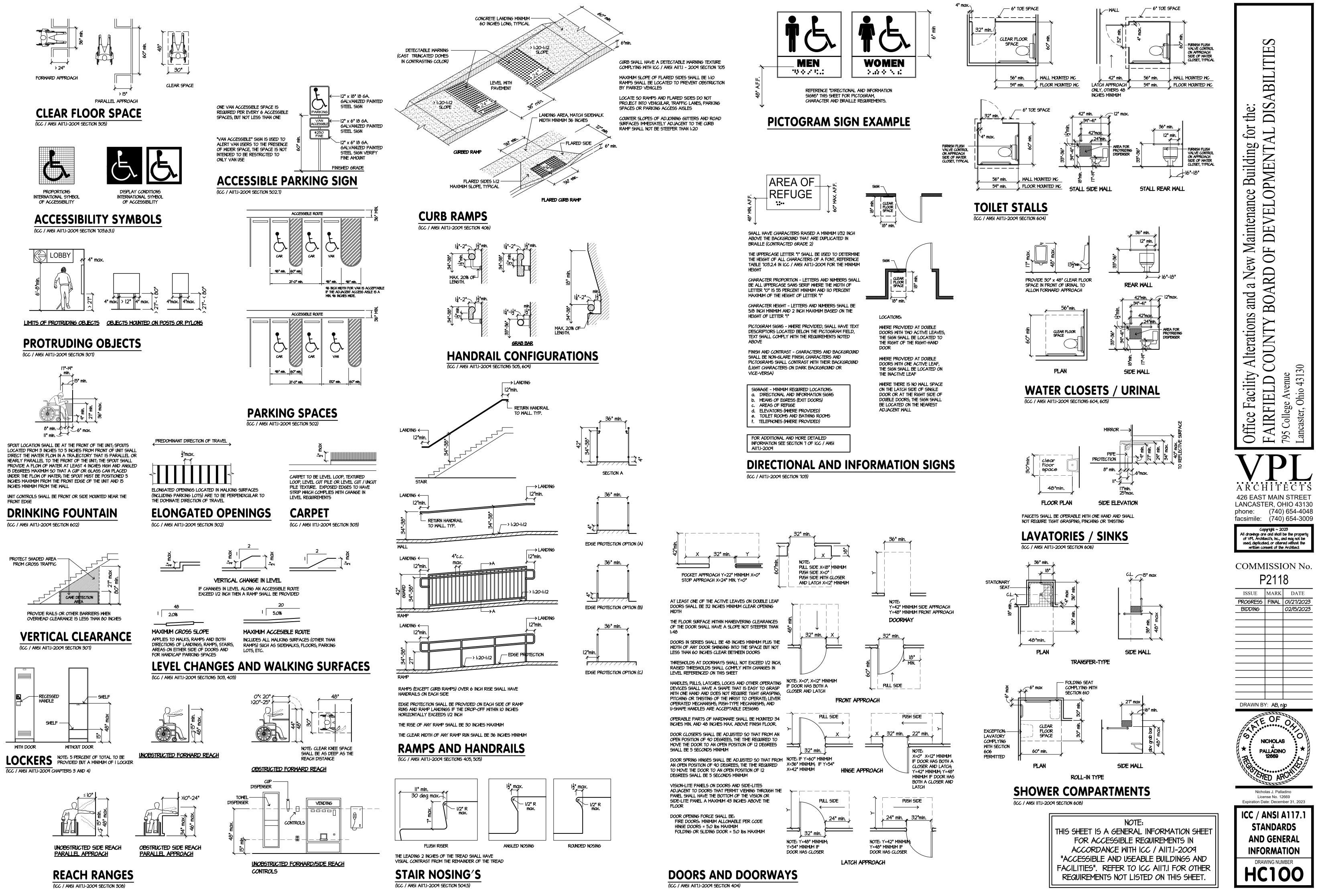
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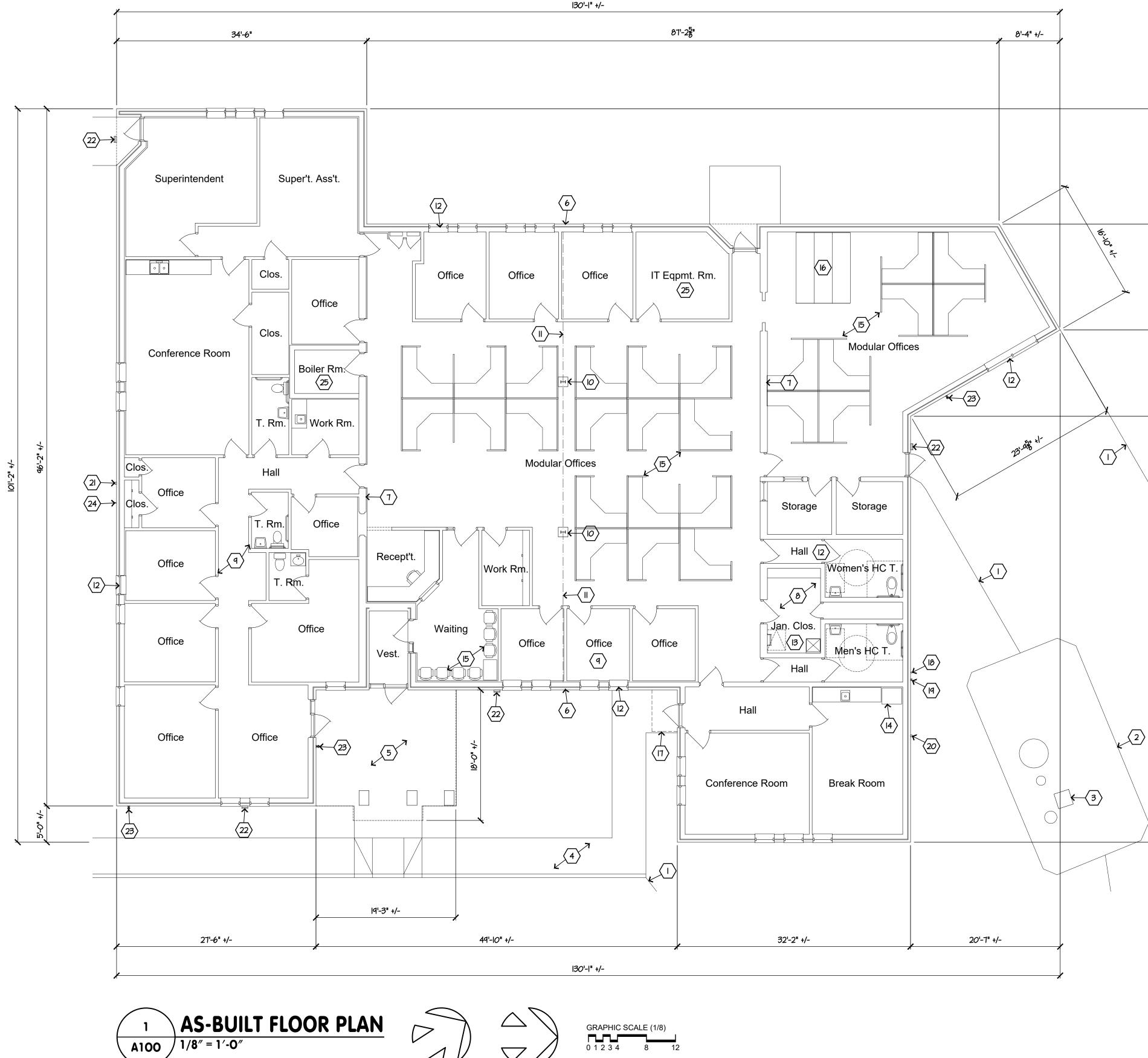
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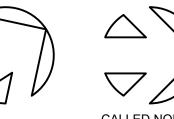
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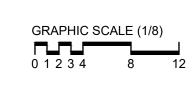


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CALLED NORTH

GENERAL NOTES

- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. REFER TO DEMOLITION FLOOR PLAN AND NEW WORK FLOOR PLAN.
- 3. FIELD DETERMINE ALL DIMENSIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO START OF ANY NEW WORK. IMMEDIATELY NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.
- 4. ALL EXTERIOR AND INTERIOR DOORS AND FRAMES AND ASSOCIATED HARDWARE TO REMAIN UNLESS NOTED OTHERWISE (U.N.O.).
- 5. EXISTING FURNITURE SHOWN WILL BE DECONSTRUCTED, MOVED, ETC. BY OWNER SO AS TO NOT INTERFERE WITH DEMOLITION AND NEW WORK U.N.O., CONSULT AND COORDINATE WITH OWNER PRIOR TO BEGINNING ANY WORK.

PLAN NOTES \bigcirc

- I. EDGE OF EXISTING ASPHALT PAVING, REFER TO CIVIL ENGINEER'S DRAWINGS, DEMOLITION PLAN AND NEW WORK PLAN.
- 2. EXISTING CONCRETE ISLAND AT EXISTING FUEL PUMP AND OVER EXISTING FUEL TANK TO REMAIN.
- 3. EXISTING FUEL PUMP AND CONCRETE PAD TO REMAIN.
- 4. EXISTING CONCRETE WALKS TO REMAIN.
- 5. EXISTING COVERED FRONT ENTRANCE PORCH WITH BRICK MASONRY COLUMNS AND EXTERIOR SLAB, OUTLINE OF ROOF ABOVE SHOWN DASHED, REFER TO DEMOLITION AND NEW WORK PLANS.
- 6. EXISTING LOAD-BEARING C.M.U. AND BRICK VENEER EXTERIOR WALLS TO REMAIN, UNLESS NOTED OTHERWISE (U.N.O.), REFER TO DEMOLITION PLAN.
- 7. EXISTING LOAD-BEARING C.M.U. INTERIOR WALLS TO REMAIN U.N.O., REFER TO DEMOLITION PLAN.
- 8. EXISTING NON-LOAD-BEARING C.M.U. INTERIOR PARTITIONS TO REMAIN U.N.O., REFER TO DEMOLITION PLAN.
- 9. EXISTING METAL FRAMED AND GYPSUM BOARD COVERED INTERIOR PARTITIONS TO REMAIN U.N.O., REFER TO DEMOLITION PLAN.
- 10. EXISTING STRUCTURAL STEEL COLUMN ENCAPSULATED IN METAL FRAMING AND GYPSUM BOARD TO REMAIN.
- II. EXISTING STRUCTURAL STEEL BEAM ABOVE TO REMAIN SHOWN DASHED.
- 12. EXISTING WINDOWS TO REMAIN, NO CHANGES U.N.O., REFER TO DEMOLITION PLAN. 13. EXISTING HINGED ROOF ACCESS ABOVE, SHOWN DASHED, TO REMAIN.
- 14. EXISTING REFRIGERATOR APPLIANCE, REFER TO DEMO. AND NEW WORK PLANS.
- 15. EXISTING FURNITURE, REFER TO GENERAL NOTES.
- 16. EXISTING DOCUMENT, RECORDS, FILES SYSTEM TO REMAIN.
- 17. EXISTING AWNING ABOVE SHOWN DASHED TO REMAIN, PROTECT FROM DAMAGE THROUGH ALL PHASES OF WORK.
- 18. EXISTING FUEL TANK VENT ASSEMBLY TO REMAIN, REFER TO NEW WORK PLANS. 19. EXISTING ELECTRICAL POWER FEED TO FUEL ISLAND TO REMAIN, NO CHANGES REQUIRED.
- 20. EXISTING EMERGENCY SHUT-OFF FOR FUEL DISPENSER TO REMAIN, NO CHANGES REQUIRED.
- 21. EXISTING REMOTE READER DEVICE FOR WATER SERVICE TO REMAIN, NO CHANGES REQUIRED.
- 22. EXISTING EXTERIOR WALL MOUNTED LIGHT FIXTURES TO REMAIN, REFER TO THE ELECTRICAL ENGINEER'S DRAWINGS.
- 23. EXISTING EXTERIOR WALL MOUNTED SURVEILLANCE DEVICE, REFER TO DEMOLITION PLAN AND THE ELECTRICAL ENGINEER'S DRAWINGS.
- 24. EXISTING EXTERIOR WALL MOUNTED COMMUNICATIONS DEVICE, REFER TO DEMOLITION PLAN AND THE ELECTRICAL ENGINEER'S DRAWINGS.
- 25. REFER TO THE MECHANICAL, ELECTRICAL AND PLUMBING (M.E.P.) ENGINEER'S DRAWINGS FOR WORK REQUIRED THIS ROOM / SPACE.

S BILITIE \checkmark the: DIS, for AL New Maintenance Building RD OF DEVELOPMENT s and a Nev BOARD y Alterations a COUNTY E 30 Office Facility . FAIRFIELD C 795 College Avenue enue 431 College Aver caster, Ohio 2 ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect COMMISSION No. P2118 ISSUE MARK DATE PROGRESS FINAL 01/27/2023 BIDDING 02/15/2023 DRAWN BY: AB, nip 0 NICHOLAS PALLÄDINO

12669

Nicholas J. Palladino License No. 12669 Expiration Date: December 31, 2023

ADMINISTRATION

BUILDING -

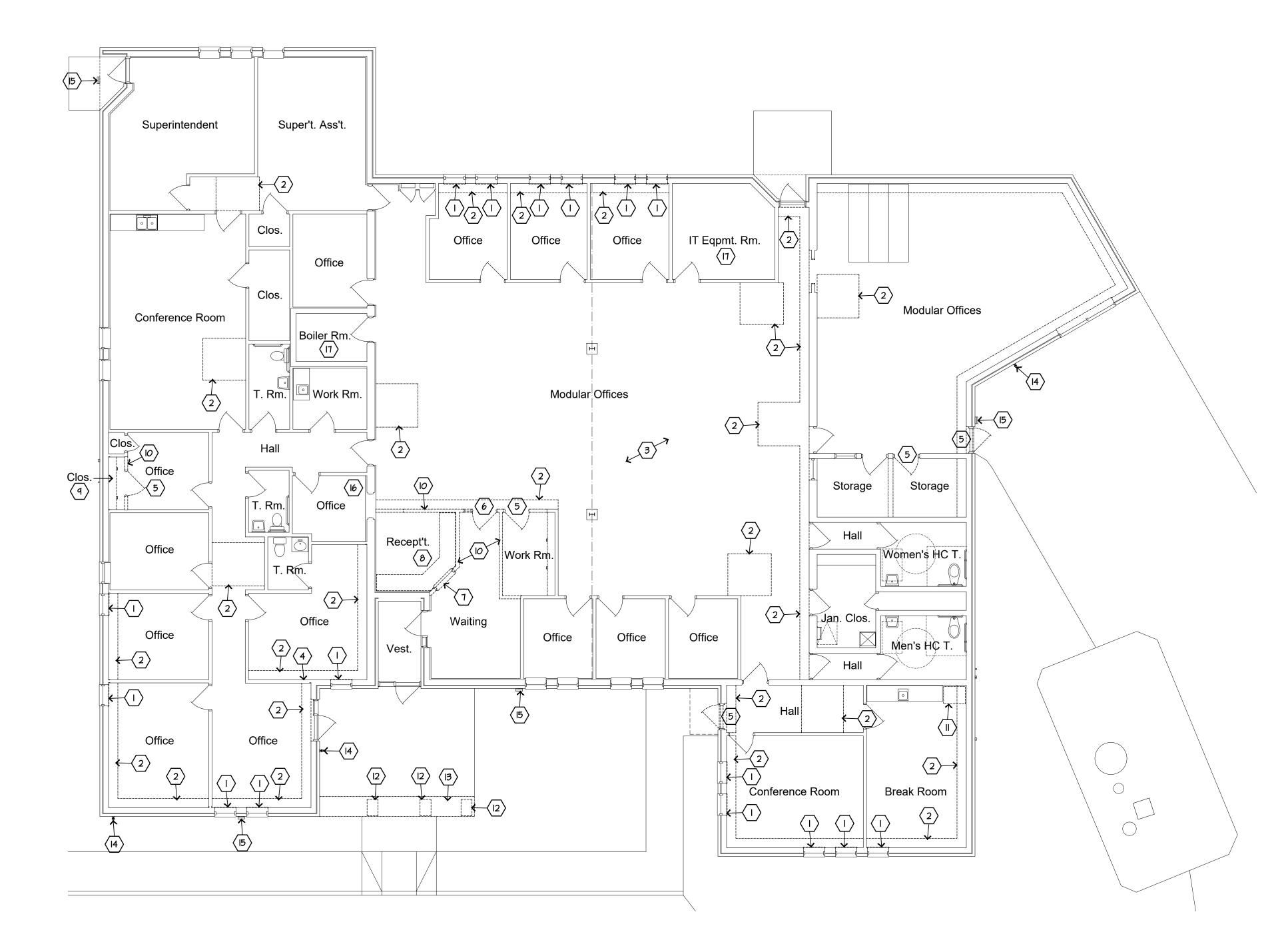
AS-BUILT

FLOOR PLAN

DRAWING NUMBER

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GRAPHIC SCALE (1/8)

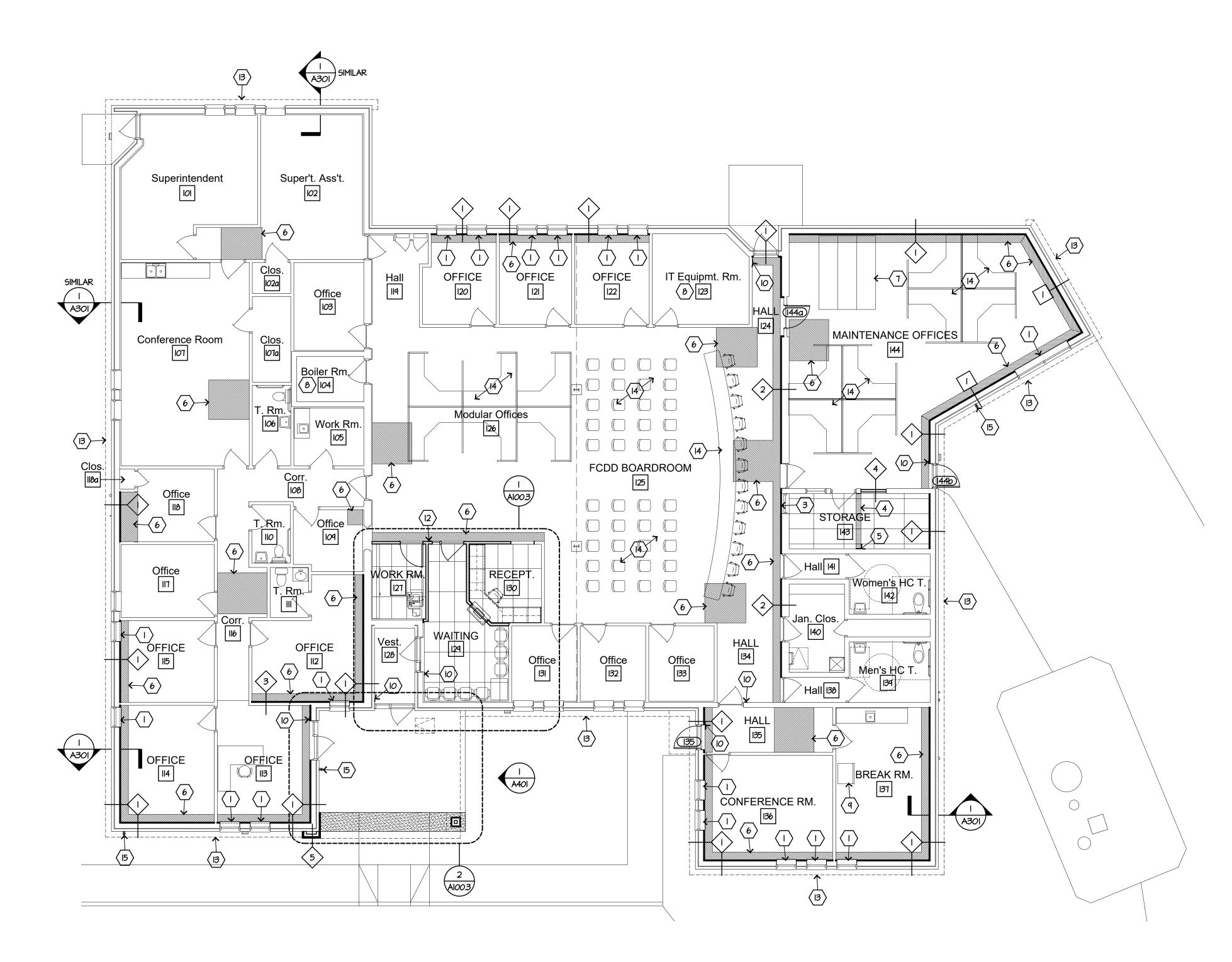
GENERAL NOTES

- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. FIELD DETERMINE ALL DIMENSIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO START OF ANY NEW WORK. IMMEDIATELY NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.
- 3. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATIONS AND, IN SOME INSTANCES, EXISTING RECORD DOCUMENTS. REPORT DISCREPANCIES TO THE OWNER OR OWNER'S REPRESENTATIVE BEFORE DISTURBING ANY EXISTING CONDITIONS OR INSTALLATIONS.
- 4. BY BEGINNING DEMOLITION, THE CONTRACTOR ACCEPTS EXISTING CONDITIONS AND WARRANTS THAT THEY WILL MAINTAIN SERVICE TO EQUIPMENT AND ITEMS NOT SCHEDULED OR INDICATED FOR REMOVAL, AND THAT THEY WILL RETURN TO THE OWNER ALL ITEMS AND SYSTEMS IN GOOD OPERATING CONDITIONS.
- LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS NOT SALVAGED FOR REUSE.
 CONSULT WITH OWNER OR OWNER'S REPRESENTATIVE ABOUT THE EXISTING BUILDING'S COMPONENTS AND ELEMENTS TO BE SALVAGED FOR REUSE OR FOR
- OWNER'S SALVAGE REQUIREMENTS PRIOR TO BEGINNING ANY DEMOLITION WORK.
 IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL COMPONENTS, ITEMS, ETC. TO BE REMOVED AND SALVAGED FOR REUSE FROM DAMAGE THROUGHOUT THE PROJECT PERIOD.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING FINISHED SURFACES TO REMAIN AND ALL EQUIPMENT, APPLIANCES, CASEWORK, ETC. TO REMAIN FROM ANY DAMAGE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DISCONNECT ALL UTILITIES WHERE NOTED AND/OR REQUIRED; CONTACT ALL UTILITY PROVIDERS PRIOR TO STARTING ANY DEMOLITION AND/OR DISCONNECTION WORK.

PLAN NOTES \bigcirc

- I. EXISTING WINDOW STOOL TO BE REMOVED TO ALLOW THE INSTALLATION OF NEW WORK.
- 2. DASHED LINE AT EXISTING SUSPENDED CEILING SYSTEM (SUSPENSION GRID AND ACOUSTICAL PANELS) DECONSTRUCTED TO ALLOW THE INSTALLATION OF NEW WORK INCLUDING NEW WORK TO HVAC SYSTEM ABOVE, SALVAGE ALL ACOUSTICAL TILES AND SUSPENSION COMPONENTS FOR REINSTALLATION, REFER TO M.E.P. ENGINEER'S DRAWINGS.
- 3. EXISTING CARPET FLOOR COVERING REMOVED.
- 4. EXISTING GYPSUM BOARD REMOVED TO ALLOW THE INSTALLATION OF NEW WORK.
- 5. EXISTING DOOR, FRAME AND HARDWARE REMOVED.
- 6. EXISTING DOOR, FRAME, HARDWARE AND ALL ELECTRICAL COMPONENTS REMOVED AND SALVAGED FOR REINSTALLATION AND REUSE, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.
- 7. EXISTING RECEPTIONIST WINDOW AND HARDWARE, AND PLASTIC LAM. STOOL UNDER TO BE REMOVED.
- 8. EXISTING RECEPTIONIST COUNTER-TOP AND CASEWORK TO BE REMOVED. REMOVE AND SALVAGE FOR REINSTALLATION AND REUSE ALL SECURITY ELECTRICAL COMPONENTS AND DEVICES, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.
- 9. EXISTING SHELVING SYSTEM AND COMPONENTS TO BE REMOVED.
- IO. EXISTING NON-LOAD-BEARING GYPSUM BOARD COVERED METAL FRAMED PARTITION TO BE REMOVED.
- II. EXISTING REFRIGERATOR APPLIANCE TO BE MOVED TO ALLOW ACCESS TO DEMOLITION WORK AND NEW WORK, MOVE APPLIANCE TO ELECTRICAL DEVICE TO RE-ENERGIZE.
- 12. EXISTING LOAD-BEARING BRICK MASONRY COLUMNS TO BE REMOVED.
- 13. PORTION OF EXISTING CONCRETE WALK AND PORCH SLAB TO BE REMOVED TO ALLOW THE INSTALLATION OF NEW WORK.
- 14. EXISTING SURVEILLANCE CAMERA TO BE REMOVED AND SALVAGED FOR REINSTALLATION AND REUSE.
- 15. EXISTING LIGHTING FIXTURES TO REMAIN, PROTECT FROM DAMAGE THROUGHOUT ALL WORK PHASES.
- 16. COMPUTER / COMMUNICATIONS COMPONENTS REMOVED AND RELOCATED TO "IT EQUIPMENT ROOM" No. 123, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.
- 17. REFER TO M.E.P. ENGINEER'S DRAWINGS FOR WORK REQUIRED THIS ROOM / SPACE.







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GRAPHIC SCALE (1/8)

					WAL	L CO	ONSTRUC	<u>、</u>
MARK	TYPE	SPACING	MATERIAL	COVER	CAVITY FILL	BEARING	SCHEDULE NOTES	1
	Existing Exterior C.M.U. Wall, Install New "Z" Furring Framing	24 (FURRING)	I-I/2 GALV. STEEL "Z" FURRING	5/8 IN. GYPSUM BOARD	i-1/2 in. Polyisocy- Anurate Rigid Insulation	LOAD	12361	
	Existing interior C.M.U. Wall, Install New "Z" furring Framing	24 (FURRING)	I-I/2 GALV. STEEL "Z" FURRING	5/8 IN. GYPSUM BOARD		LOAD	1267	
3	EXISTING INTERIOR PARTITION		Existing 2x4 (Nom.) Metal Stud Framing	Existing 5/8 in. Gypsum BD.		NON-LOAD	1467	
							SCHEDULE	NC
I. Fl	JRRING AND GYPSUM BOA	RD TO EXTE	ND 2 INCHES MINI	IMUM ABOVE THE	ANCHORING FLAN	SE OF THE CE	ILING'S SUSPENSION GRID.	- 8
	t openings, return gyp: Oard Adhesive.	GUM BOARD	to WINDOW / Doo	OR FRAME HEAD	AND JAMBS, SECL	ire to substr	RATE WITH GYPSUM	ć

4. EXISTING PARTITION WITH GYPSUM BOARD COVER EACH SIDE, MAKE THE NECESSARY ALTERATIONS TO ALIGN NEW AND EXISTING FINISHED SURFACES.

5. SEAL PERIMETER OF GYPSUM BOARD EACH SIDE.

6. REFER TO SECTIONS AND DETAILS FOR MORE INFORMATION.

7. REFER TO ROOM FINISH SCHEDULE FOR MORE INFORMATION.

GENERAL NOTES

- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. FIELD DETERMINE ALL DIMENSIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO START OF ANY NEW WORK. IMMEDIATELY NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.
- 3. REFER TO ROOM FINISH SCHEDULE AND DOOR SCHEDULE FOR RELATED WORK FOR THIS PLAN.

PLAN NOTES \bigcirc

- I. NEW 5/8 INCH THICK PVC WINDOW STOOL WITH EASED NOSING.
- 2. NOT USED.
- 3. CONCEAL EXISTING BORROWED LIGHT WITH "Z" FURRING AND GYPSUM BOARD.
- 4. REPAIR EXISTING CONCRETE FLOOR SLAB AND PREPARE FOR NEW FLOOR COVERING; PROVIDE NEW SUSPENDED CEILING TO MATCH EXISTING.
- 5. REPAIR EXISTING C.M.U. PARTITION PREPARE FOR NEW WALL COATING, TYPICAL FOR (2) LOCATIONS THIS SPACE.
- 6. SHADED ARE AT EXISTING SUSPENDED CEILING SYSTEM TO BE REINSTALLED, ROOM 118 TO HAVE NEW SUSPENDED CEILING SYSTEM DUE TO REMOVAL OF CLOSET.
- 7. EXISTING RECORDS SYSTEM TO REMAIN.
- 8. REFER TO M.E.P. ENGINEER'S DRAWINGS FOR WORK REQUIREMENTS THIS ROOM / SPACE.
- 9. APPROXIMATE TEMPORARY LOCATION OF OWNER'S REFRIGERATOR TO ALLOW ACCESS TO DEMOLITION AND NEW WORK. RETURN TO ORIGINAL LOCATION UPON COMPLETION OF NEW WORK.
- IO. NEW ICC/ANSI AII7.I COMPLIANT TACTILE "EXIT" SIGN, REFER TO SHEET HCIOO.
- II. EXISTING TACTILE "EXIT" SIGN TO REMAIN.
- EXISTING TACTILE "EXIT" SIGN RELOCATED TO THIS APPROXIMATE POSITION.
 NEW MANSARD ROOF ASSEMBLY ABOVE SHOWN DASHED, REFER TO ROOF PLANS, SECTIONS AND DETAILS, AND EXTERIOR ELEVATIONS.
- 14. FURNITURE, MODULAR FURNITURE AND OFFICE EQUIPMENT BY OWNER U.N.O.
- 15. SALVAGED SECURITY CAMERA RELOCATED, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.

TION SCHEDULE								
MARK	TYPE	SPACING	MATERIAL	COVER	CAVITY FILL	BEARING	SCHEDULE NOTES	
4	Existing M.O. Opening Install New Infill Metal Stud Framing	16 (STUDS)	2x4 (Nom.) Galv. Steel Studs	5/8 IN. GYPSUM BOARD BOTH SIDES		NON-LOAD	5)1)	
5	NEW METAL STUD FRAMING WITH MANUFACTURED STONE VENEER	l6 (STUDS)	2x4 (Nom.) Galv. Steel Studs	5/8 IN. GYPSUM BOARD EXTERIOR SHEATHING		NON-LOAD	890	
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NOTES ()

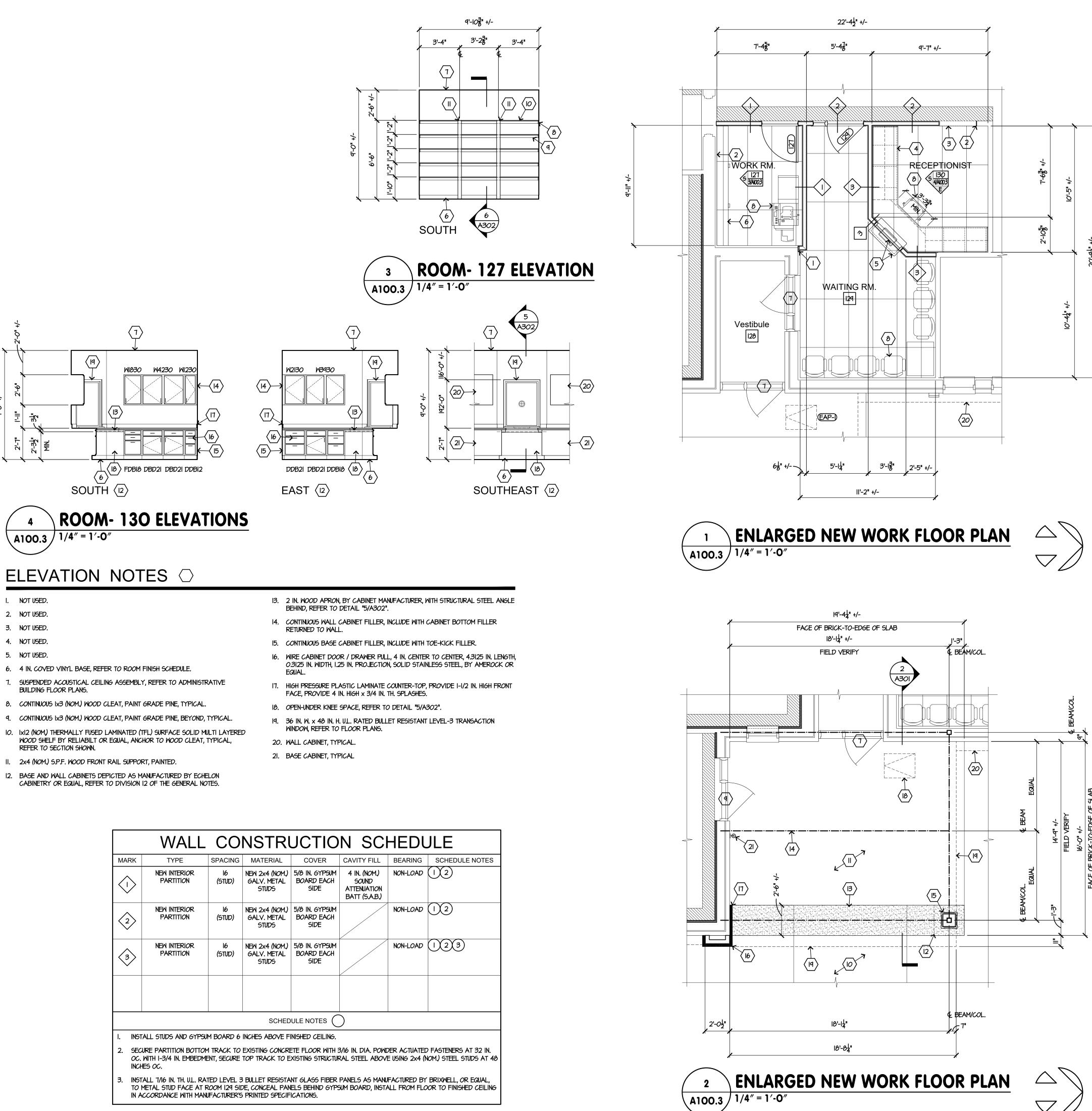
8. COVER EXTERIOR GYPSUM BOARD SHEATHING WITH WATER BARRIER APPROVED BY THE STONE VENEER MANUFACTURER.

9. INSTALL "DRAINABLE" MANUFACTURED STONE VENEER ASSEMBLY.

10. REFER TO THE STRUCTURAL ENGINEER'S DRAWINGS.



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- 10. IX12 (NOM) THERMALLY FUSED LAMINATED (TFL) SURFACE SOLID MULTI LAYERED WOOD SHELF BY RELIABILT OR EQUAL, ANCHOR TO WOOD CLEAT, TYPICAL,
- II. 2x4 (NOM.) S.P.F. WOOD FRONT RAIL SUPPORT, PAINTED.

MARK	TYPE	SPACING	MATERIAL	COVER	CAVITY FILL	BEARING	SCHEDULE NOTE
	NEW INTERIOR PARTITION	I6 (STVD)	NEW 2x4 (NOM.) GALV. METAL STUDS	5/8 IN. GYPSUM BOARD EACH SIDE	4 IN. (NOM.) SOUND ATTENUATION BATT (S.A.B.)	NON-LOAD	1)2)
2	NEW INTERIOR PARTITION	I6 (STUD)	NEW 2x4 (NOM.) GALV. METAL STUDS	5/8 IN. GYPSUM BOARD EACH SIDE		NON-LOAD	12
3	NEW INTERIOR PARTITION	I6 (STUD)	NEW 2x4 (Nom.) GALV. METAL STUDS	5/8 IN. GYPSUM BOARD EACH SIDE		NON-LOAD	123
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- REFER TO STRUCTURAL ENGINEER'S DRAWINGS FOR RELATED WORK THESE PLANS. 3.
- 4. REFER TO ROOM FINISH SCHEDULE AND DOOR SCHEDULE FOR RELATED WORK THESE PLANS.
- 5. REFER TO EXTERIOR ELEVATIONS FOR RELATED WORK THESE PLANS.

PLAN NOTES \bigcirc

- REPAIR AND REFINISH EXISTING FURRING AND GYPSUM BOARD ASSEMBLY THIS AREA DUE TO DEMOLITION WORK, MATCH EXISTING.
- 2. REPAIR AND REFINISH PARTITION DUE TO DEMOLITION WORK, TYPICAL, MATCH EXISTING.
- 3. GYPSUM BOARD CASED OPENING, UNDERSIDE OF FINISHED BULKHEAD AT 84 INCHES ABOVE FINISHED FLOOR (A.F.F.).
- 4. NEW BASE CABINETS, WALL CABINETS AND PLASTIC LAMINATE COUNTERTOP WITH 4 INCHES HIGH PLASTIC LAMINATE BACK-SPLASHES, REFER TO INTERIOR ELEVATIONS THIS SHEET.
- 5. 36 IN. W. x 48 IN. H. BULLET RESISTANT, LEVEL-3, TRANSACTION WINDOW AS MANUFACTURED BY TOTAL SECURITY SOLUTIONS MODEL No. TWA3648L3AST OR EQUAL, PROVIDE UNIT WITH BLACK, I-1/2 IN., PLASTIC LAMINATE COUNTER, RECESSED STAINLESS STEEL DEAL TRAY, VOICE PORT, U.L. RATED BULLET RESISTANT LAMINATED POLYCARB./ACYYLIC GLAZING, FRAME SHALL BE MANUFACTURER'S STANDARD BRONZE ALUMINUM 1-3/4 IN. x 4 IN., INSTALL ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S PRINTED SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
- 6. NEW SHOP AND/OR FIELD FABRICATED WOOD SHELVING, PAINTED, REFER TO INTERIOR ELEVATION THIS SHEET.
- 1. EXISTING 36 INCHES WIDE DOOR WITH AUTOMATIC OPENER AND OPENER PADDLES TO REMAIN, ASSEMBLY IS ICC/ANSI AII7.I COMPLIANT.
- 8. FURNITURE AND OFFICE EQUIPMENT BY OWNER.
- 9. EXISTING DOOR WITH LEVER HARDWARE TO REMAIN, NO CHANGES
- IO. EXISTING SLOPING EXTERIOR CONCRETE WALK TO REMAIN.
- II. EXISTING EXTERIOR CONCRETE FLOOR SLAB.
- 12. STEEL REINFORCED CONCRETE FOOTING SHOWN DASHED, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 13. NEW 4 IN. THICK EXTERIOR CONCRETE, PIN TO EXISTING WITH 36 INCHES LONG No. 4 BAR AT 18 IN. OC. EMBED INTO EXISTING CONCRETE 7 INCHES MINIMUM, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 14. STRUCTURAL STEEL COLUMNS AND BEAMS, TYPICAL, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- EXTERIOR INSULATING AND FINISH SYSTEM (E.I.F.S.) DECORATIVE COLUMN: 2x4 (NOM.) GALVANIZED STEEL STUDS AT 16 IN. OC., FRAMED AROUND STRUCTURAL STEEL COLUMN, COVERED WITH 5/8 IN. EXTERIOR GYPSUM BOARD SHEATHING COVERED WITH WATER BARRIER APPROVED BY E.I.F.S. MANUFACTURE.
- MANUFACTURED STONE VENEER (M.S.V.) ON 2x4 (NOM.) GALVANIZED STEEL STUDS AT 16 IN. OC. COVERED WITH 5/8 IN. EXTERIOR GYPSUM BOARD SHEATHING COVERED WITH WATER BARRIER APPROVED BY M.S.V. MANUFACTURER.
- 17. M.S.V. ON EXISTING FACE BRICK VENEER, FULL TO ENTRY COVER CEILING.
- 18. 22 IN. x 36 IN. HINGED ACCESS PANEL, "EAP-I", AT ENTRY COVER CEILING, REFER TO DOOR SCHEDULE.
- 19. LINE AT EDGE OF ENTRY COVER ABOVE SHOWN DASHED.
- 20. LINE AT MANSARD ROOF ASSEMBLY ABOVE SHOWN DASHED.
- 21. SALVAGED SECURITY CAMERA RELOCATED, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.

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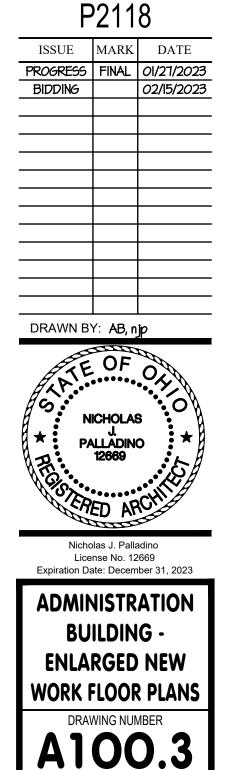
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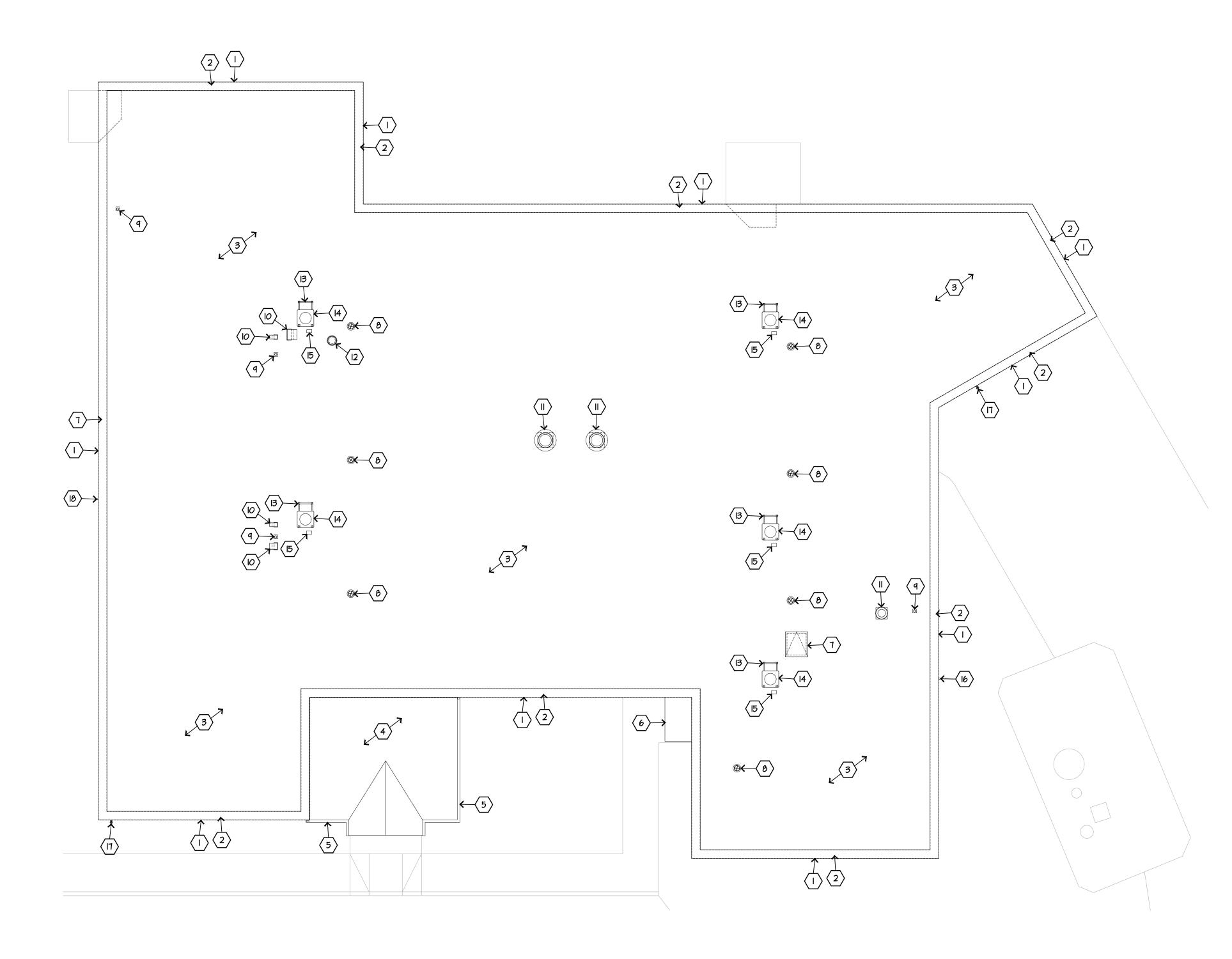
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COMMISSION No.







GENERAL NOTES

- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. REFER TO DEMOLITION FLOOR PLAN AND NEW WORK FLOOR PLAN.
- 3. FIELD DETERMINE ALL DIMENSIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO START OF ANY NEW WORK. IMMEDIATELY NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.
- 4. REFER TO ROOF DEMOLITION PLAN AND ROOF NEW WORK PLAN FOR ADDITIONAL INFORMATION.

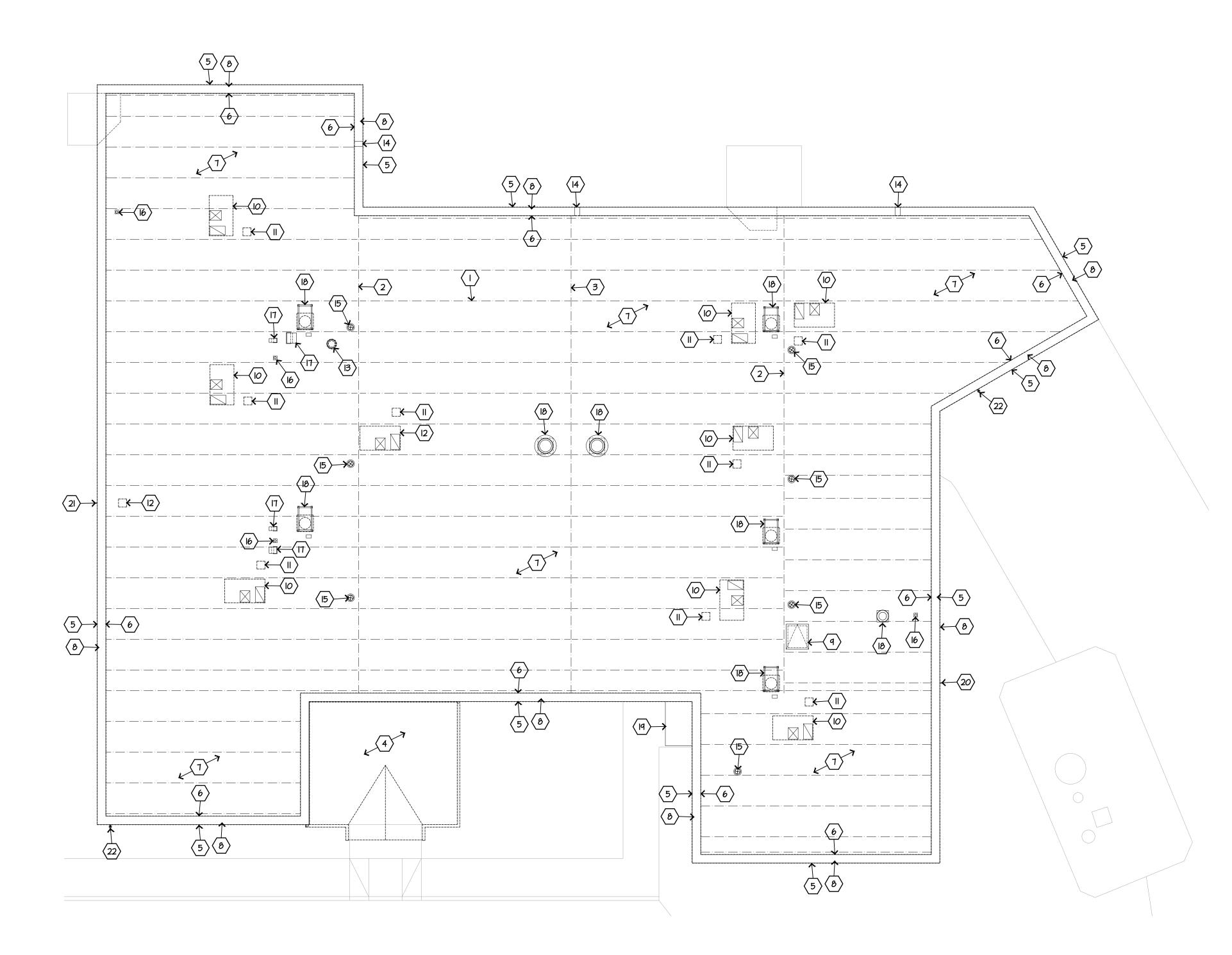
PLAN NOTES \bigcirc

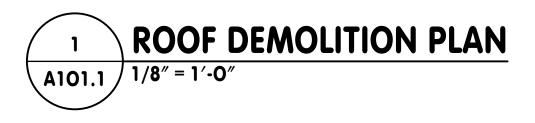
- I. EXISTING 12 IN. (NOM.) WIDE MASONRY PARAPET WALL SHOWN DASHED.
- 2. EXISTING IS IN. (NOM.) WIDE METAL CAP FLASHING OVER PARAPET WALL.
- 3. EXISTING GRAVEL-IN-ASPHALT ORIGINAL BUILT-UP ROOFING.
- 4. EXISTING MEMBRANE ROOFING OVER LOWER PORCH COVER ASSEMBLY.
- 5. EXISTING METAL GUTTERS AND DOWN-SPOUTS.
- 6. EXISTING CANVAS WITH ALUMINUM FRAME AWNING BELOW.
- 7. EXISTING HINGED ROOF ACCESS HATCH.
- 8. EXISTING ROOF DRAIN WITH STRAINER.
- 9. EXISTING PLUMBING PIPE THROUGH PITCH-POCKET WITH FLASHING.
- 10. EXISTING DUCTWORK THROUGH PAN WITH FLASHING.
- II. EXISTING FAN ASSEMBLY ON CURB WITH FLASHING.
- 12. EXISTING BOILER FLU THROUGH ROOF WITH FLASHING.
- 13. EXISTING STEEL PLATFORM WITH (4) STEEL PIPE LEGS THROUGH PAN WITH FLASHING.
- 14. EXISTING COOLING SYSTEM CONDENSING UNIT ON STEEL PLATFORM.
- 15. EXISTING PAN WITH FLASHING HAVING PENETRATIONS OF ELECTRICAL CABLE AND REFRIGERANT PIPING.
- 16. EXISTING FUEL TANK VENT PIPE EXTENDING APPROXIMATELY 42 INCHES ABOVE FINISHED ROOF.
- 17. EXISTING WALL MOUNTED SURVEILLANCE DEVICE.
- 18. EXISTING COMMUNICATION SYSTEM DEVICE.

Office Facility Alterations and a New Maintenance Building for the: FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 College Avenue 5 College Avenue 1caster, Ohio 43130 VPI ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, Inc., and may not be used, duplicated, or altered without the written consent of the Architect COMMISSION No. P2118 ISSUE MARK DATE
 PROGRESS
 FINAL
 OI/27/2023

 BIDDING
 02/15/2023
 DRAWN BY: AB, nip OF NICHOLAS $1 \star 1$ PALLÄDINO 12669 RED June Nicholas J. Palladino License No. 12669 Expiration Date: December 31, 2023 **ADMINISTRATION BUILDING** -**AS-BUILT ROOF PLAN** DRAWING NUMBER

A101







GRAPHIC SCALE (1/8)

GENERAL NOTES

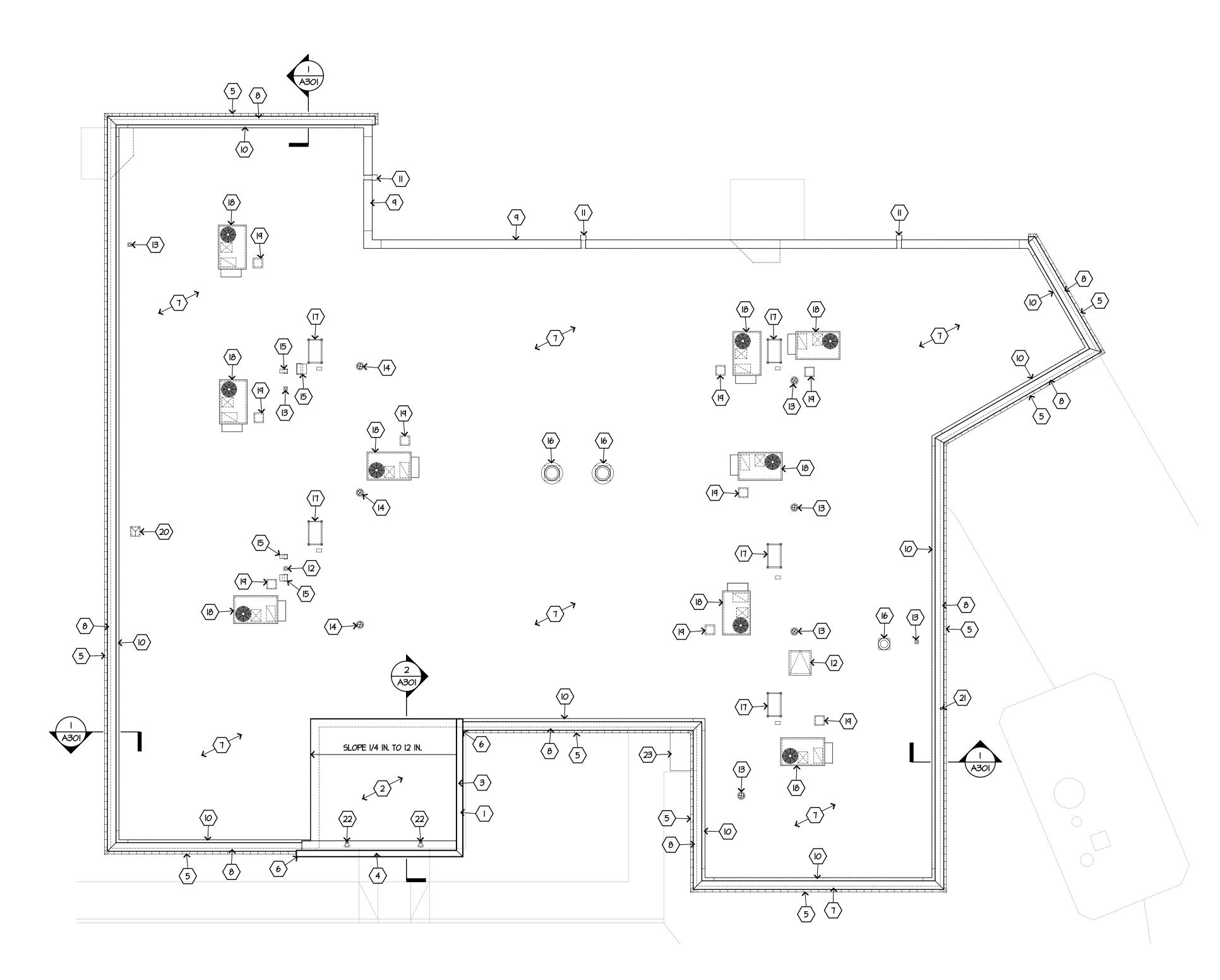
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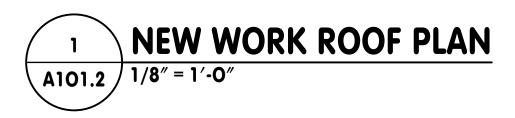
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- 3. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATIONS AND, IN SOME INSTANCES, EXISTING RECORD DOCUMENTS. REPORT DISCREPANCIES TO THE OWNER OR OWNER'S REPRESENTATIVE BEFORE DISTURBING ANY EXISTING CONDITIONS OR INSTALLATIONS.
- 4. BY BEGINNING DEMOLITION, THE CONTRACTOR ACCEPTS EXISTING CONDITIONS AND WARRANTS THAT THEY WILL MAINTAIN SERVICE TO EQUIPMENT AND ITEMS NOT SCHEDULED OR INDICATED FOR REMOVAL, AND THAT THEY WILL RETURN TO THE OWNER ALL ITEMS AND SYSTEMS IN GOOD OPERATING CONDITIONS.
- LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS NOT SALVAGED FOR REUSE.
 CONSULT WITH OWNER OR OWNER'S REPRESENTATIVE ABOUT THE EXISTING BUILDING'S COMPONENTS AND ELEMENTS TO BE SALVAGED FOR REUSE OR FOR
- OWNER'S SALVAGE REQUIREMENTS PRIOR TO BEGINNING ANY DEMOLITION WORK.
 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL COMPONENTS, ITEMS, ETC. TO BE REMOVED AND SALVAGED FOR REUSE FROM DAMAGE THROUGHOUT
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING FINISHED SURFACES TO REMAIN AND ALL EQUIPMENT, APPLIANCES, CASEMORK, ETC. TO REMAIN FROM ANY DAMAGE.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DISCONNECT ALL UTILITIES. CONTACT ALL UTILITY PROVIDERS PRIOR TO STARTING ANY DEMOLITION WORK.
- IO. EXISTING ROOF COVERING (ORIGINAL) ASSEMBLY: I-I/2 CORRUGATED GALVANIZED STEEL DECKING, I/2 IN. PERLITE COVER BOARD, I-I/2 IN. POLYISOCYANURATE RIGID INSULATION AND ASPHALT BUILT-UP ROOFING.
- II. UNIT PRICE No. I, EXISTING MASONRY PARAPET WALL WOOD PLATE: REMOVE AND REPLACE THE EXISTING 2x (NOM.) WOOD PLATE DUE TO DAMAGE AND/OR DETERIORATION. THE OWNER WILL PAY THE UNIT PRICE LISTED ON THE BID FORM FOR SUCH REMOVAL AND REPLACEMENT. THE UNIT PRICE COST SHALL INCLUDE, BUT IS NOT LIMITED TO, THE LABOR AND MATERIAL TO REMOVE THE DAMAGED / DETERIORATED EXISTING WOOD PLATE PIECES, AND THE LABOR AND MATERIAL FOR INSTALLING NEW 2x (NOM.) PRESERVATIVE TREATED (P.T.) WOOD PLATE, A325 BOLTS / ANCHORS SPACED AT 48 IN. OC. AND GROUTING OF EXISTING MASONRY.
- 12. UNIT PRICE No. 2, TRAPPED MOISTURE IN THE EXISTING "BUILT-UP" ROOF ASSEMBLY: WHERE TESTING PROVES THERE IS TRAPPED MOISTURE IN THE EXISTING ROOF ASSEMBLY, REMOVE AND REPLACE THE MOISTURE LADEN EXISTING MATERIALS. THE OWNER WILL PAY THE UNIT PRICE LISTED ON THE BID FORM FOR SUCH REMOVAL AND REPLACEMENT. THE UNIT PRICE COST SHALL INCLUDE, BUT IS NOT LIMITED TO, THE LABOR AND MATERIAL TO REMOVE THE MOISTURE LADEN MATERIALS, AND THE LABOR AND MATERIAL FOR INSTALLING NEW RIGID INSULATION BOARDS IN THICKNESSES NEEDED TO MATCH EXISTING ROOFING MATERIAL HEIGHT FROM DECK TO "BUILT-UP" ROOFING.
- 13. REFER TO STRUCTURAL ENGINEER'S DRAWINGS FOR NEW WORK REQUIRED FOR THE EXISTING STEEL ROOF JOISTS AND METAL DECKING.

PLAN NOTES \bigcirc

- I. CENTERLINE OF EXISTING STEEL JOIST ROOF FRAMING BELOW TO REMAIN, TYPICAL.
- 2. CENTERLINE OF EXISTING C.M.U. BEARING WALL BELOW FOR JOIST FRAMING TO REMAIN.
- 3. CENTERLINE OF EXISTING STEEL BEAM BELOW FOR JOIST BEARING TO REMAIN.
- 4. REMOVE EXISTING "LOWER" FLAT ROOF ASSEMBLY, INCLUDING BRICK MASONRY COLUMNS, CONCEALED STEEL COLUMNS, STEEL OR WOOD FRAMING AND SHEATHING, STEEL FRAMING AND SHEATHING, WALL FLASHING, ETC., REFER TO NEW WORK PLANS.
- 5. REMOVE EXISTING PARAPET METAL CAP FLASHING.
- 6. REMOVE EXISTING BUILT-UP ROOFING FLASHING AT EXISTING PARAPET WALL WHERE IT INTERFERES WITH INSTALLATION OF THE NEW RUBBER MEMBRANE ROOF FLASHING.
- 7. EXISTING BUILT-UP ROOFING ASSEMBLY TO REMAIN UNLESS NOTED OTHERWISE (U.N.O.), REFER TO NEW WORK ROOF PLAN.
- EXISTING & IN. (NOM.) C.M.U. AND BRICK MASONRY PARAPET WALL WITH 2x (NOM.) WOOD NAILER / PLATE TO REMAIN U.N.O., REFER TO GENERAL NOTES THIS SHEET AND THE NEW WORK PLANS.
- 9. EXISTING HINGED ROOF ACCESS HATCH TO REMAIN, REMOVE EXISTING CURB FLASHING TO ALLOW THE INSTALLATION OF NEW MEMBRANE FLASHING.
- 10. REMOVE ALL COMPONENTS OF THE EXISTING BUILT-UP ROOFING ASSEMBLY AND THE EXISTING STEEL DECKING THIS LOCATION TO ALLOW THE INSTALLATION OF R.T.J. HVAC SYSTEM CURB, EXISTING STEEL JOISTS TO REMAIN, REFER TO HVAC ENGINEER'S DRAWINGS FOR EXACT SIZE OF EQUIPMENT CURB, COORDINATE CUTTING OF OPENING WITH HVAC CONTRACTOR.
- II. REMOVE ALL COMPONENTS OF THE EXISTING BUILT-UP ROOFING ASSEMBLY AND THE EXISTING STEEL DECKING THIS LOCATION TO ALLOW THE INSTALLATION OF R.T.U. HVAC SYSTEM PIPING AND ELECTRICAL CONDUIT SYSTEMS CURB, EXISTING STEEL JOISTS TO REMAIN, REFER TO HVAC ENGINEER'S AND THE ELECTRICAL ENGINEER'S DRAWINGS FOR EXACT SIZE OF EQUIPMENT CURB, COORDINATE CUTTING OF OPENING WITH HVAC CONTRACTOR.
- 12. REMOVE ALL COMPONENTS OF THE EXISTING BUILT-UP ROOFING ASSEMBLY AND THE EXISTING STEEL DECKING THIS LOCATION TO ALLOW THE INSTALLATION OF ELECTRICAL AND/OR COMMUNICATIONS SYSTEM CABLING AND ELECTRICAL CONDUIT SYSTEMS CURB, EXISTING STEEL JOISTS TO REMAIN, REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR EXACT SIZE OF EQUIPMENT CURB, COORDINATE CUTTING OF OPENING WITH HVAC CONTRACTOR.
- 13. REMOVE EXISTING BOILER SYSTEM FLU PIPE.
- 14. REMOVE MASONRY PARAPET, APPROXIMATELY & IN. W., BY 12 IN. H., (NOM.) TO ALLOW THE INSTALLATION OF OVER-FLOW SCUPPER.
- 15. EXISTING ROOF STRAINER AND FLASHING TO BE REMOVED, ROOF DRAIN PIPING AND FLANGE TO REMAIN, REFER TO NEW WORK ROOF PLAN, TYPICAL.
- 16. EXISTING PLUMBING SYSTEM VENT-THROUGH-ROOF WITH PITCH POCKET TO REMAIN, REFER TO NEW WORK ROOF PLAN.
- 17. EXISTING EXHAUST FAN DUCT ON EQUIPMENT CURB, REMOVE EXISTING CURB FLASHING TO ALLOW THE INSTALLATION OF NEW MEMBRANE FLASHING, REFER TO NEW WORK ROOF PLAN.
- 18. EXISTING ELEVATED STEEL FRAME WITH (4) COLUMNS EACH IN PITCH POCKETS FOR HVAC CONDENSER EQUIPMENT WITH PIPING SYSTEM PITCH POCKET TO REMAIN, REFER TO NEW WORK ROOF PLAN AND HVAC ENGINEER'S DRAWINGS.
- 19. EXISTING CANVAS AWNING OVER ALUMINUM FRAMING TO REMAIN, PROTECT AGAINST DAMAGE DURING ALL WORK PHASES.
- 20. EXISTING UNDERGROUND FUEL TANK VENT PIPING TO REMAIN, PROTECT AGAINST DAMAGE DURING ALL WORK PHASES, REFER TO NEW WORK ROOF PLAN.
- 21. EXISTING WALL MOUNTED COMMUNICATIONS ANTENNA TO BE REMOVED, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.
- 22. EXISTING SURVEILLANCE SYSTEM CAMERA TO BE REMOVED, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.

Office Facility Alterations and a New Maintenance Building for the: FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 College Avenue Lancaster, Ohio 43130
VPL
ARCHITECTS
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LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, inc., and may not be used, duplicated, or altered without the artition consent of the Architect COMMMISSION No. DESUME MARK DATE PROGRESS FINAL 0/271/2023 BIDDING 02/15/2023 02/15/2023 BIDDING 02/15/2023 02/15/2023 BIDDING 02/15/2023 02/15/2023 BIDDING 02/15/2023 0 BIDDING 02/15/2024 0 BIRDING 0 0 BIRDING </td
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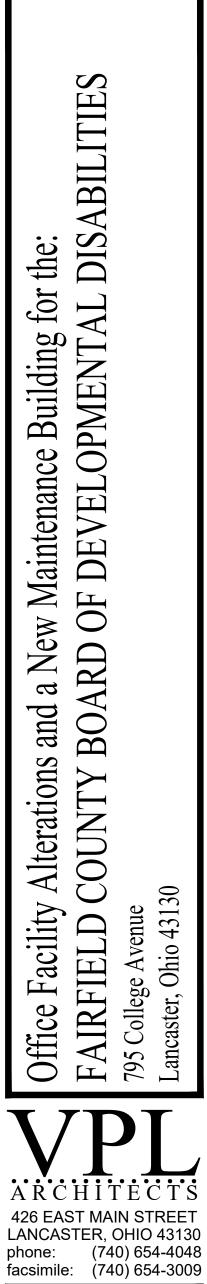
GRAPHIC SCALE (1/8) 0 1 2 3 4 8 12

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PLAN NOTES \bigcirc

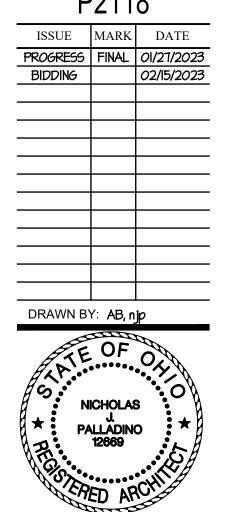
- I. NEW FRONT ENTRANCE COVER, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 2. 60 MIL, FULLY-ADHERED, EPDM MEMBRANE ROOFING SYSTEM OVER 1/2 IN. RECOVERY BOARD OVER I IN. THICK POLYISOCYANURATE FOAM CORE INSULATION BOARD WITH A FIBER-REINFORCED FELT FACERS MEETING ASTM CI289, TYPE II, CLASS I, GRADE 3 (25 PSI), INSULATION BOARD INSTALLED ON GALVANIZED STEEL ROOF DECK, INSTALLED MANUFACTURER REQUIRED EPDM FLASHING ASSEMBLIES.
- 3. 26 GA. GALVANIZED STEEL, FACTORY FORMED AND FINISHED, PARAPET COPING FLASHING,INSTALL WITH CONCEALED ANCHORING SYSTEM ON NEW 2x (NOM.) PRESERVATIVE TREATED (P.T.) WOOD NAILER, SLOPE COPING TOWARDS INTERIOR.
- 4. 26 GA. GALVANIZED STEEL, FACTORY FORMED AND FINISHED, SEGMENTED (CURVED) PARAPET COPING FLASHING WITH CONCEALED ANCHORING SYSTEM ON NEW 2x (NOM.) P.T. WOOD NAILER, SLOPE COPING TOWARDS INTERIOR.
- 5. 26 GA. GALVANIZED STEEL, FACTORY FORMED AND FINISHED, 12 IN. WIDE, "STANDING-SNAP-SEAM" TYPE MANSARD ROOF PANEL WITH CONCEALED FASTENERS, PROVIDE J-CHANNEL, STARTER-EDGE, RIDGE AND SHED CLOSURE AND OTHER ACCESSORIES FOR A COMPLETE WEATHER-TIGHT ASSEMBLY OVER GALVANIZED STEEL STRUCTURAL FRAMING COMPONENTS, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 6. 26 GA. GALVANIZED STEEL, FACTORY FINISHED, SIDEWALL FLASHING ASSEMBLY AT MANSARD STEEL PANEL AND MANUFACTURED STONE INTERSECTION.
- 1. 60 MIL, FULLY ADHERED, EPDM ROOFING SYSTEM OVER NEW I IN. THICK POLYISOCYANURATE FOAM CORE INSULATION BOARD WITH A FIBER-REINFORCED FELT FACERS MEETING ASTM CI289, TYPE II, CLASS I, GRADE 3 (25 PSI), INSULATION BOARD INSTALLED OVER EXISTING BUILT-UP ASPHALT ROOFING, INSTALL CONTINUOUS EPDM FLASHING OVER EXISTING AND NEW PARAPET ASSEMBLIES, MAINTAIN EXISTING SLOPE TO ROOF DRAINS.
- 8. 26 GA. GALVANIZED STEEL, FACTORY FORMED AND FINISHED, PARAPET COPING FLASHING, INSTALL CONCEALED ANCHORING SYSTEM ON NEW 2x (NOM.) P.T. WOOD NAILER, SLOPE TOWARDS INTERIOR.
- 9. 26 GA. GALVANIZED STEEL, FACTORY FORMED AND FINISHED, PARAPET COPING FLASHING, INSTALL WITH CONCEALED ANCHORING SYSTEM ON EXISTING 2x (NOM.) WOOD NAILER.
- IO. LINE AT EPDM ROOFING AND FLASHING ASSEMBLY OVER TOP OF EXISTING PARAPET WALL.
- II. NEW THROUGH-THE-WALL STAINLESS STEEL SCUPPER ASSEMBLY WITH "SPLASH-TONGUE" BY MAJESTIC WATER SPOUTS OR EQUAL. SCUPPER ASSEMBLY TO BE (1) PIECE WITH WELDED FLASHING. INSTALL AT CREATED M. O. AT EXISTING PARAPET WALL. INSTALL EPDM ROOFING, FLASHING AND OTHER COMPONENTS IN ACCORDANCE WITH ROOFING MANUFACTURER'S DETAILED SHOP DRAWINGS.
- 12. EXISTING HINGED ROOF ACCESS TO REMAIN, INSTALL NEW FLASHING ALL SIDES. 13. EXISTING PLUMBING PIPING AND PITCH POCKET ASSEMBLY, INSTALL NEW
- FLASHING.
- 14. EXISTING ROOF DRAIN BODY, PIPING AND UNDER-CLAMP TO REMAIN, INSTALL NEW REPLACEMENT-TYPE DRAIN ASSEMBLY WITH RIBBED NEOPRENE SEAL, 14 IN. MIN. PLAIN FLANGE, IO IN. PVC STRAINER AND CLAMPING RING, PROVIDE ZURN No. RD2150 ASSEMBLY OR EQUAL BY MARATHON ROOFING PRODUCTS, TYPICAL.
- 15. EXISTING DUCTWORK PENETRATING ROOF ON CURB TO REMAIN UNLESS NOTED OTHERWISE (U.N.O.), INSTALL NEW FLASHING ALL SIDES, REFER TO HVAC ENGINEER'S DRAWINGS.
- 16. EXISTING UP-FLOW EXHAUST FAN UNIT ON EQUIPMENT CURB TO REMAIN U.N.O., INSTALL NEW FLASHING ALL SIDES, REFER TO HVAC ENGINEER'S DRAWINGS.
- 17. EXISTING RAISED STEEL FRAME WITH (4) COLUMNS IN PITCH POCKETS ASSEMBLY TO REMAIN, INSTALL NEW FLASHING.
- 18. NEW HVAC RTU UNIT MOUNTED ON NEW CURB, INSTALL FLASHING ALL SIDES, REFER TO HVAC ENGINEER'S DRAWINGS.
- 19. NEW CURB HAVING SERVICE COMPONENTS PENETRATIONS FOR RTU UNIT, INSTALL FLASHING ALL SIDES, REFER TO HVAC ENGINEER'S DRAWINGS.
- 20. NEW CURB HAVING SERVICE COMPONENTS PENETRATIONS FOR COMMUNICATION SYSTEM ANTENNA, INSTALL FLASHING ALL SIDES, RELOCATE ANTENNA TO THIS LOCATION WITH GUY WIRES, REFER TO ELECTRICAL ENGINEER'S DRAWINGS.
- 21. EXISTING VENT PIPE FOR UNDERGROUND FUEL TANK TO REMAIN, VENT PIPE TO PENETRATE WALL COPING, PROVIDE FLASHING AND COUNTER-FLASHING AS NEEDED TO PROVIDE A WATER-TIGHT ASSEMBLY.
- 22. ROOF VENTILATOR, OMG, INC. "OLYVENT" OR EQUAL.
- 23. EXISTING CANVAS AWING ON ALUMINUM FRAME TO REMAIN, PROTECT FROM DAMAGE THROUGHOUT PROJECT UNTIL FINAL ACCEPTANCE BY THE OWNER.

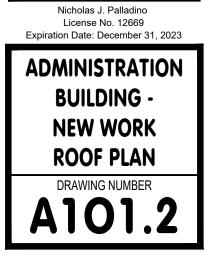


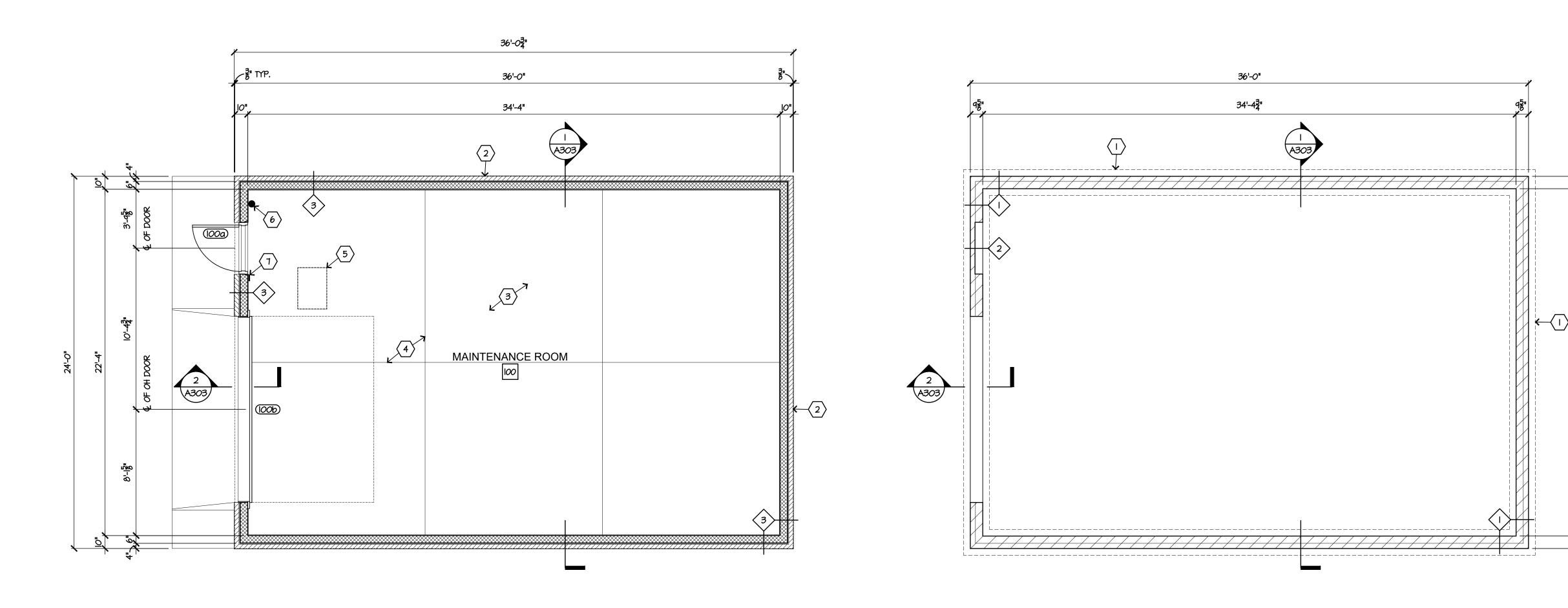
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COMMISSION	No
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	WALL	CO	NSTR	JCTIO	N SCI	HEDU	JLE
MARK	TYPE	SPACING	MATERIAL	COVER	CAVITY FILL	BEARING	SCHEDULE NOTES
	EXTERIOR, FOUNDATION WALL		IO IN. (NOM.) CONCRETE MASONRY UNIT (C.M.U.)			LOAD	121
2	EXTERIOR, FOUNDATION WALL		4 IN. (NOM.) CONCRETE MASONRY UNIT (C.M.U.)			LOAD	31
3	Exterior, wood Framed Wall	16 (STUDS)	2x6 WOOD STUD FRAMING	1/2 IN. PLYWOOD Sheathing and 5/8 IN. Gypsum Board		LOAD	4567
			SCHE)		

- I. GROUT SOLID TOP COURSE OF 10 IN. (NOM.) C.M.U., CONTINUOUS.
- 2. ADD 6 IN. (NOM.) C.M.U. TO THE TOP OF THE IO IN. (NOM.) C.M.U. TO FORM "BRICK LEDGE", GROUT SOLID 6 IN. COURSE, CONTINUOUS.
- 3. GROUT SOLID 4 IN. (NOM.) C.M.J. TOP COURSE.
- 4. INSTALL 4 IN. (NOM.) FACE BRICK VENEER, USE GALVANIZED STEEL BRICK TIES SPACED 16 IN. OC. VERTICALLY AND 16 IN. OC. HORIZONTALLY, INSTALL CONTINUOUS MASONRY FLASHING WITH WEEPS SPACED 48 IN. OC., INSTALL WALL OPENING HEAD FLASHING WITH END-DAMS.
- 5. APPLY AND COVER PLYWOOD EXTERIOR SHEATHING WITH INFILTRATION BARRIER.
- 6. APPLY 6 MIL POLYETHYLENE MOISTURE BARRIER TO COVER THERMAL INSULATION PRIOR TO INSTALLING GYPSUM BOARD.
- 1. REFER TO SECTIONS AND DETAILS FOR MORE INFORMATION.





- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. MAINTENANCE BUILDING FLOOR AREAS: 761 sq. ft. TABULATED (NET) AND 864 sq. ft. GROSS.
- 3. FIELD DETERMINE ALL DIMENSIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO START OF ANY NEW WORK. IMMEDIATELY NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.
- 4. REFER TO SHEET A200 FOR ROOM FINISH SCHEDULE AND DOOR SCHEDULE.

PLAN NOTES \bigcirc

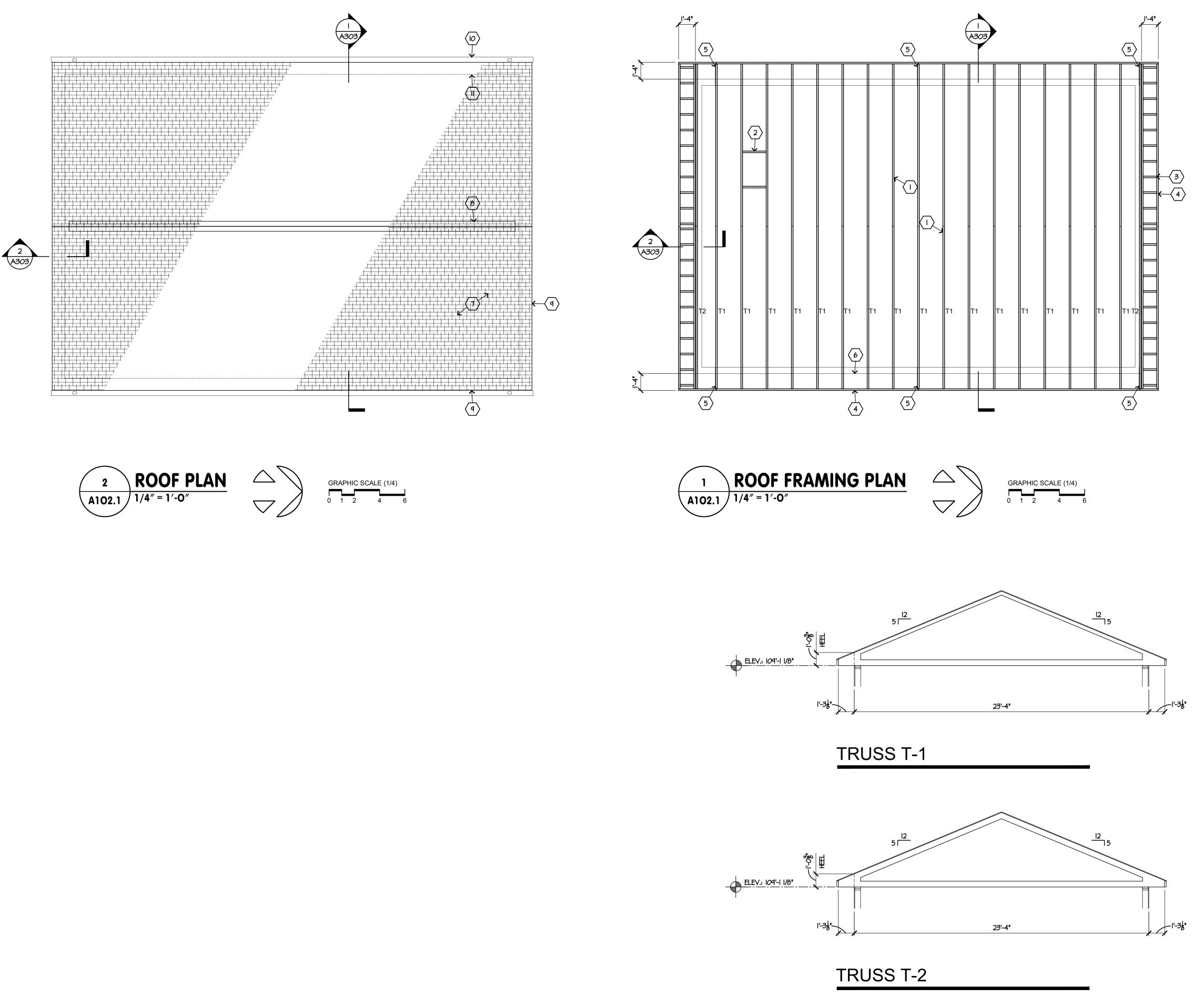
เป็น

- I. LINE AT STEEL REINFORCED 20 IN. WIDE x 12 IN DEEP CONCRETE FOOTING BELOW SHOWN DASHED, TYPICAL, REFER TO SECTIONS NOTED.
- 2. LINE AT C.M.J. WALL BELOW BRICK VENEER SHOWN DASHED, TYPICAL, REFER TO SECTIONS NOTED.
- 3. 4 IN. THICK 3,500 psi CONCRETE FLOOR WITH 6x6-WI.4xWI.4 WELDED WIRE REINFORCING OVER 6 MIL POLYETHYLENE MOISTURE BARRIER ON 4 IN. COMPACTED GRANULAR FILL.
- EQUALLY SPACED "SAW-CUT" CRACK-CONTROL JOINTS AT FLOOR SLAB.
 22 IN. x 36 IN. CEILING ATTIC ACCESS PANEL ABOVE SHOWN DASHED, UTILIZE
- 5/8 IN. PLYWOOD, PAINTED, PANEL AND 1x4 (NOM.) WOOD PINE TRIM, PAINTED, (4) SIDES FOR SUPPORT.
- 6. 10 lbs. MULTI-PURPOSE FIRE EXTINGUISHER WITH WALL BRACKET.
- TACTILE EXIT SIGN TO MEET THE REQUIREMENTS OF ICC/ANSI AII7.I REQUIREMENTS, REFER TO SHEET HCIOO.

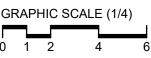
STRUCTURAL LOADING TABLE								
の行	ALLOWABLE (ASSUMED) (psf)		1,500					
SOILS BEARING PRESSURE								
ш <u>с</u>								
<u>م</u> ~	UNIFORMLY DISTRIBUTED (psf)							
8 ₩ E	CONCENTRATED (psf)		2 <i>500</i> N/A					
FLOOR LIVE LOADING								
	REDUCTION		N/A					
ROOF LINE .0ADING	(20					
8 L 8								
	TRUSS TOP CHORD (psf)	5						
ROOF DEAD OADING L	TRUSS BOTTOM CHORD (psf)							
28 H S								
	GROUND SNOW LOAD		20					
	FLAT-ROOF SNOW LOAD		20					
ROOF SNOM -OADING	SNOW EXPOSURE FACTOR		1.0					
2 5 5	SNOW IMPORTANCE FACTOR		1.2					
	THERMAL FACTOR		I.O					
	ULTIMATE DESIGN WIND SPEED (mph)		115					
Ř	BUILDING RISK CATEGORY							
IICI	WIND EXPOSURE CLASSIFICATION							
MIND LOADING	INTERNAL PRESSURE COEFFICIENT							
₽	DESIGN WIND PRESSURE (psf) MAXIMUM	WALLS	+14.3 / -19.1					
X	ALLOWABLE (ADS)	ROOF	+8.2 / -33.6					
	(COMPONENTS / CLADDING)	OVERHANGS	+8.2 / -46.9 					
	SEISMIC RISK CATEGORY							
	SPECTRAL RESPONSE COEFFICIENTS	S _{ds}	0.176					
		Sdi	0.ll2					
	SITE CLASS SEISMIC IMPORTANCE FACTOR		B 1.0					
	MAPPED SPECTRAL RESPONSE	Ss	0.114					
∢	ACCELERATION	S ₅ S ₁	0.061					
EARTHQUAKE DESIGN DATA	SEISMIC DESIGN CATEGORY							
D H K		SHEAR WALLS	C 0.061					
RTI SISIS	SEISMIC RESPONSE COEFFICIENTS (CS)	BRACED WALLS	0.030					
びび		SHEAR WALLS	2.0					
	RESPONSE MODIFICATION FACTOR (R)	BRACED WALLS	4.0					
	BASIC SEISMIC FORCE-RESISTING SYSTE LIGHT FRAMED WALLS WITH WOOD BR SIDING BRACING	METAL						
	DESIGN BASE SHEAR (KIPS)		3.4					
	ANALYSIS PROCEDURE: EQUIVALENT LATER	RAL FORCE PROCEDURE						
	LOCATED IN FLOOD-HAZARD AREA?		NO					
FLOOD LOAD	HIGH-VELOCITY WAVE ACTION	LOWEST HORIZONTAL STRUCTURAL MEMBER ELEVATION	N⁄A					
FLOOI	NON-HIGH-VELOCITY WAVE	LOWEST FLOOR ELEVATION	N/A					
	ACTION?	DRY FLOODPROOFED ELEVATION	NA					

ABILITIES and a New Maintenance Building for the: BOARD OF DEVELOPMENTAL DIS. Office Facility Alterations a FAIRFIELD COUNTY B 795 College Avenue i College Avenue ncaster, Ohio 43130 **T**/DT ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect COMMISSION No. P2118 ISSUE MARK DATE PROGRESS FINAL 01/27/2023 BIDDING 02/15/2023 DRAWN BY: AB, nip OF 40 NICHOLAS PALLÄDINO 12669 SPED AS and a Nicholas J. Palladino









GENERAL NOTES

- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. FIELD DETERMINE ALL DIMENSIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO START OF ANY NEW WORK. IMMEDIATELY NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.
- 3. REFER TO "STRUCTURAL LOADING TABLE" SHEET AIO2.

PLAN NOTES \bigcirc

- I. PRE-FABRICATED ENGINEERED WOOD ROOF TRUSSES AT 24 IN. OC. TRUSS "T-I" WITH 2x6 (NOM.) WOOD BOTTOM CHORD AND 2x4 (NOM.) WOOD TOP CHORD MINIMUM, TRUSS "T-2" WITH 2x6 WOOD TOP AND BOTTOM CHORD MINIMUM.
- 2. 2x6 (NOM.) WOOD FRAMING FOR A 22 IN. W. x 32 IN. L. (CLEAR OPENING) CEILING ACCESS A GYPSUM BOARD CEILING, PROVIDE 1/2 IN. (NOM.) O.S.B. INSULATION "STOP" (4) SIDES.
- 3. 2x6 (NOM.) WOOD FRAMING AT 16 IN. OC. FOR GABLE-END OVERHANG, TYPICAL.
- 4. 2x6 (NOM.) WOOD SUB-FASCIA, TYPICAL.
- 5. 1/2 IN. (NOM.) O.S.B. OVERHANG DRAFT-STOPPING 20 FT. OC.
- 6. OUTSIDE FACE (WOOD SHEATHING) OF WOOD FRAMED WALL BELOW SHOWN DASHED.
- 7. ASPHALT ROOF SHINGLES.
- 8. SHINGLE CAP OVER RIDGE VENTILATOR SYSTEM.
- 9. ALUMINUM COVER OVER WOOD SUB-FASCIA.
- IO. ALUMINUM GUTTER SYSTEM.
- II. LINE AT FACE BRICK VENEER BELOW SHOWN DASHED.

ABILITIES g for the: AL DIS/ and a New Maintenance Building BOARD OF DEVELOPMENTA Office Facility Alterations a FAIRFIELD COUNTY B 795 College Avenue 5 College Avenue ncaster, Ohio 43130



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COMMISSION No. D0110

P2118									
ISSUE	MARK	DATE							
PROGRESS	FINAL	01/27/2023							
BIDDING		02/15/2023							
DRAWN B	Y: AB, n	jp							
	DRAWN BY: AB, njp E OF OF NICHOLAS * PALLADINO 12669								



					D	00	RS	SCF	IE	DŪ	LE	1			
DOOR NUMBER	DOOR TYPE	DOOR SIZE	DOOR THICKNESS	DOOR CORE	DOOR FINISH	WALL CONSTRUCTION	WALL THICKNESS	FRAME TYPE	FRAME FINISH	FIRE RESISTANCE RATING	GLASS TYPE	HARDWARE GROUP	KEY / LOCK SIDE	SCHEDULE NOTES	
100a	F,HM	3068	1-3/4"	IC	P	MAI BM.WS. <i>G</i> B		1	PUILDI	NG		1	EVT		
	I.EM.MTL.UA	3 <u>068</u> 12 <u>0</u> 8 <u>0</u>	1-5/4 1-3/8"	IC IC	FF	BM.MS.GB		HM MTL.TR	۳ 			2	EXT <i>OO</i> I		
						ADMI	NISTR	ATION	BUIL	DING					
127	F.WD	3 <u>068</u> 3068	-3/4"	50	55	MS.GB	4 7/8"	HM	P			3	126		
129 EAP-I	AP	3 <u>068</u> 1 <u>10</u> 30				MS.GB MS.GB	4 7/8" 5/8"				\square	4	I26 EXT	$\frac{1}{2}$	
135 144a	F.WD	3 <u>068</u> 3 <u>068</u>	1-3/4"	50	55	MS.GB	4 7/8"	HM	P			5 6	EXT	3	
144b	F.HM	3 <u>0</u> 6 <u>8</u>	I-3/4"	ж К	95 P	GB.WS	I5 I/8"	HM	P			7	EXT	3	
	ALUMI					FRL	ABBR	EVIATI	ONS					SF	- STOREFRONT
BACAEEEEEEFF	P - ACCE - BI-FO - BI-PA P - P - P - BI-PA R - BRICK MU - CONCI DN - CONCI - EXISTI - EXPOS KT - EXTER - - FACTO P -	55 PANEL LD OWED LIGH 55 ZE MASONRY RETE MASO RETE ING 55ED SED RIOR DRY FINISH DRY FINISH DRY PRIME	r ONRY UN H Đ	ΠŢ		I LV MAS MTL MB MS H PR	- Gyps - Heav - High - Holla - Insul - Insul - Loum - Meta - Meta - Meta - Over - Paint - Pair	LIFT OW META ATED OR ATED CO ER NRY L BUILDII L BUILDII L STUD HEAD ED	D L INSULA RE	TING				\$J\$\$\$\$\$\$\$₽₽\$\$\$₽₽₽	 SIDELIGHT SOLID CORE SLIDING SAFETY GLAZING STAINED AND SEALED SOLID WOOD TRANSOM PANEL TRACK ASSEMBLY UPWARD ACTING VERTICAL LIFT VISION PANEL MOOD WOOD STUD ONE (FULL) PANEL FOUR PANEL AUTION
	R - FRAM	ED OR FRI	AME			PH	- PRE-I							6P	- SIX PANEL
4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	ICC/ANSI ZA ALL DOORS ALL ALUMIN EXACT ROU INTERIOR HO "KNOCK-DO EXTERIOR H GALVANIZEI EXTERIOR E ALL HARDM COORDINAT FRAME WOF FIELD DETE DOORS AND IN EVERY R FLUSH WOOI	17.1, NINTH E AND FRA UM STORE- GH OPENIN OLLOW MET WN" HM FR IM FRAMES D STEEL A MBOSSED IARE TO M E AND VEI K. RMINE / VI AME WORK D FRAMES ESPECT. D DOORS (R STAIN CO	EDITION, MES SH/ FRONT G (R.O.) TAL (HM) AMES A SHALL LL SURF METAL EET OR RIFY KE ERIFY E TO HAV (F.MD) SI OLOR A	2010 , ALL BE ASSEM / MAS SHALL RE AC I GA ACES. DOOR EXCEE YING T XACT I E FAC PECIES	AND OBC FACTOR IBLIES TO ONRY OF L BE 20 CEPTABI . GALVA PANELS D ICC / YPES AN NALL THI TORY AF 5 TO MAT EN TO M	5 Section RY Prepar D be ther! D be ther! D be ther! D be ther! GA. GALV/ LE. NIZED STEE BE 18 GA. ANSI AIIT. I ID REQUIRE CKNESS AT PLIED PRII TCH EXISTIN	2406, SA RED FOR MAL-BRE D.) WIDTH ANIZED S EL ALL SI GALVAN REQUIREN EMENTS M T DOOR / MER COA NG IN EVE	FETY GL HARDWA AK TYPE AND HEIG TEEL, INT JRFACES IZED STE 1/ENTS. ITH OWNE TORROI TING WIT FRY RESE VERY RE	Azing. Re Typi Glazin HT Prid Erior H Melde El All R OR O Med Lig H (2) Fin Fect. Spect,	e spec Ig pani or to i Im doc d cone Surfac WNER'S HT FRA	FIED. ELS TO FABRIC RS SH/ MTRUCT JES. REPRI ME HE/ ATINGS	BE EX ATION ALL BE ION, EX ESENT/ AD AN 5 FIELL	ative D JAM	XR INS / OR I 5A. GA XR HM PRIOR IBS PR LIED, (IS AND REQUIREMENTS OF TALLED, FIELD DETERMINE INSTALLATION. ALVANIZED STEEL, DOORS SHALL BE 16 GA. R TO BEGINNING ANY DOOR RIOR TO BEGINNING ANY COLOR TO MATCH EXISTIN POLYURETHANE.
						Н	ARDW	ARE C	ROU	>					
	Keyed / Th 2 In. Minimu Brackets, and sized Safety de I-I/2 PR HD	umb-turn M "Standa Bottom S With A Min Vices. Hinges An Ig Door F	dead-e Ard-lif Jeals, h Jimum <i>o</i> i Jd fast Jardwa	iolt, C t" ste Eader F 5 to Ener I Re Ani Below.	LOSER I EL TRAC SEALS I SAFET HARDWA D ELECT	DEVICE, FR K, GALVAN AND JAMB Y FACTOR RE, LEVER RONIC DOC RE, LEVER	Ame Sto IIZED Ste Seals, I , Interio Storer or Hardi Office I	P, Weath El Hinge Helicall R Side " Dom Loc Ware To Lock (F8	er-str S, Ball Y-Woun DLIDE-L(K (F86), Remain 2), Floc	Ipping, Bear d Sprii ock", in wall : with s d with s dr Sto F86), a	THERM NG RO NG COL ITERIOI STOP, F SALVAC P, FRA	AL-BR LLERS INTERE R MOU RAME SED D ME SIL	EAK T , HD A BALAN NTED I SILEN OOR A ENCER	HRESH DJUST CE SIZ ELECTI KCERS ASSEM	TABLE TOP ROLLER ZED TO WEIGHT OF DOOR RONIC REVERSE / STOP
4. 5. 6.	Refer to 9 I-1/2 pr HD	HINGES AN NPR HINGE	es and i	FASTE						.D.					
4. 5. 6.	 Refer to 9 I-1/2 PR HD I-1/2 PR HD	HINGES AN NPR HINGE	es and i	FASTE		ripping, th		BREAK TH	RESHOL						
4. 5. 6. 7. I.	EXISTING S/ REJOCATE I-1/2 PR HD CLOGER DE EXISTING S/ RELOCATE RECEPTIONI EXTERIOR C PANEL AND OPERATED OWNER.	HINGES AN NPR HINGE VICE, FRAN ALVAGED I AND RECO ST ROOM, EILING MC FRAME WI CYLINDER	ES AND I ME STOP DOOR, F NNECT E CONNEC DUNTED A ITH CONK CAM-LC	FASTEI 2, WEA RAME, EXISTIN T TO I ATTIC / CEALEI OCK; BI	SAFETY SAFETY G SWITC DOOR EL ACCESS D HINGE, EST ACC	GLAZING, TH GLAZING, F H, STRIKE, ECTRONICS PANEL, 22 ENTIRE AS ESS DOOR	HEDUL HARDWAI TRANSFC TO MAT IN. WIDE SEMBLY S MODEL	REAK TH E NO RE AND / RMER, A CH FUNC X 36 IN. TO HAVE No. BA-	RESHOL TES (NJTO-OF ND OTHE ION OF _ONG, "F FACTO CTR-60	TENER I TENER I TENER I TENER I TOOR TULL-DO RY APF -22-36	;TRONI OPERA DWN" NO PLIED F OR EG	C DEV TION I ON-INS OWDE WAL, F	ices, i Prior Ulate R Coa Paint (Instal To Ne D 16 e T Pri 2) Fin	D THIS LOCATION, L SWITCH DEVICE IN NEW W WORK. 5A. COLD ROLLED STEEL MER, PROVIDE WITH KEY ISH COATS AS SELECTED THIS DOOR TO OWNER'S

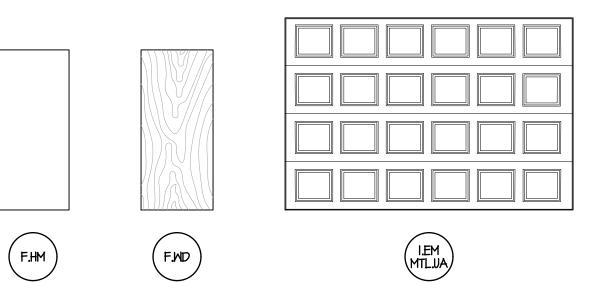
ROOM FINISH SCHEDULE (cont'd.)

SCHEDULE NOTES

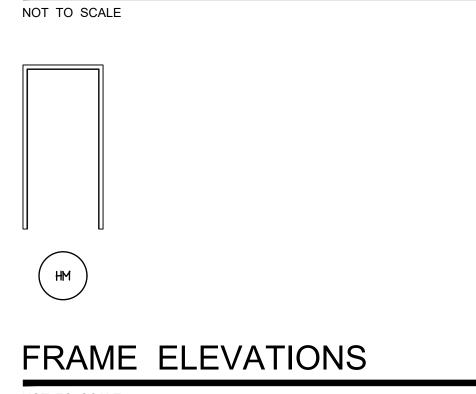
- NO CHANGES TO FINISHES REQUIRED THIS ROOM / SPACE.
- 2. FIELD DETERMINE AND VERIFY EXACT FINISHED CEILING HEIGHT.
- 3. NEW WORK TO THE EXISTING CEILING OF THIS ROOM / SPACE, REUSE EXISTING ACOUSTICAL TILE AND SUSPENSION COMPONENTS.
- 4. REFER TO THE M.E.P. ENGINEER'S DRAWINGS FOR WORK REQUIRED THIS ROOM / SPACE.
- 5. NEW FURRING AND GYPSUM BOARD AT EXTERIOR WALL(S) WITH CEILING ALTERATION THIS ROOM / SPACE, REUSE EXISTING ACOUSTICAL TILE AND SUSPENSION COMPONENTS. 6. NEW WALL BASE ALL WALLS THIS ROOM / SPACE.
- 7. RETURN GYPSUM BOARD TO WINDOW FRAME, ADHERE TO CMU WITH ADHESIVE, INSTALL NEW 5/8 IN. TH. PVC STOOL WITH ROUNDED NOSING.
- 8. PREPARE EXISTING GYPSUM BOARD AND / OR CMU SURFACES TO BE REFINISHED.
- 9. INSTALL NEW CPT.T FLOOR COVERING AND TERMINATE AT EXISTING "FULL" CPT.T. PIECE AT CORRIDOR 116.
- IO. NOT USED.
- II. RETURN GYPSUM BOARD TO DOOR FRAME, ADHERE TO CMU WITH ADHESIVE.
- 12. PAINT ALL SIDES OF GYPSUM BOARD ENCASED STEEL COLUMN, ADD NEW WALL BASE.
- 13. NEW 5/8 IN. GYPSUM BOARD ON NEW METAL STUD FRAMING.
- 14. NEW ACOUSTICAL TILE AND NEW SUSPENSION SYSTEM COMPONENTS. 15. AT SOUTH WALL, ADD 2x (NOM.) FIRE-RETARDANT-TREATED (FRT) WOOD BLOCKING AT EXISTING FURRING FOR SHELVING ASSEMBLY, COVER
- WITH NEW 5/8 IN. GYPSUM BOARD FULL HEIGHT AND WIDTH.
- 16. INSTALL WALL BASE AT TOE-KICK AND SIDE OF EXISTING BASE CABINETS. 17. NEW FURRING AND GYPSUM BOARD AT EXTERIOR WALL.
- 18. PROVIDE FLOOR COVERING TERMINATION STRIP AT DOOR THRESHOLD.

GENERAL NOTES

- I. CONTRACTORS SHALL FIELD VERIFY APPLICABLE CONDITIONS DEPICTED FOR THE PROJECT AND DIMENSIONS SHOWN FOR THE PROJECT PRIOR TO BEGINNING ANY WORK.
- 2. ALL HARDWARE TO BE GRADE 2.
- 3. FURNISH AT ALL OPENINGS: ICC/ANSI AIIT.I COMPLIANT LEVER HANDLE UNLESS NOTED OTHERWISE (U.N.O.).
- 4. DOOR OPERATION SHALL CONFORM TO THE REQUIREMENTS OF OHIO BUILDING CODE (OBC) SECTION 1008.1.9.
- 5. ALL DOOR HARDWARE SHALL BE IN COMPLIANCE WITH OBC SECTION 1008.1.9.1, DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
- 6. THRESHOLDS SHALL CONFORM TO THE REQUIREMENTS OF OBC SECTION 1008.1.1. 7. LOCKS AND LATCHES SHALL CONFORM TO THE REQUIREMENTS OF OBC SECTION
- 1008.1.9.3. 8. FURNISH INSULATED SAFETY GLAZING AND SAFETY GLAZING WHERE REQUIRED,
- NOTED AND/OR SHOWN IN ACCORDANCE WITH OBC SECTION 2406 AND ANSI 297.1 REQUIREMENTS.



DOOR ELEVATIONS



NOT TO SCALE

IOO MAII IOI Sup 102 Sup 102a Clos 103 Offic IO4 Boil 105 Wor 106 Unise 107 Cont 107a Clos 108 Cor IO9 Offi llo Unis III Priv II2 OFF II3 OFF II4 OFF 115 OFF 116 Cor II7 Offic IIB Offi ll8a Clos llg Hall 120 OFF 121 OFF 122 OFF 123 I. 1 I24 HAL 125 FCE 126 MOI 127 WOF 128 Ves 129 WAI 130 REC 131 *O*ffi 132 *O*ffi 133 *O*ffi I34 HAL 135 HAL 136 CON 137 BRE 138 Hall 139 Men 140 Jani 141 Hall 142 Won 143 STC 144 MAI AC -/ AL -B - E BR - E CB - (CMU -CON -CPT -E -EX - E FB - F FF - F FP - F FRP -6B -HM -H - H | – || LP -L

> NEW 6 OTHER 2. AT AL 3. AT WA SINK.



		RO	OM	FIN	NISH	I SC	CHE	DUL	E		
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	ROOM NAME	FLOOR MATERIAL	MATERIAL	- -	-			CEILING MATERIAL	g height	SCHEDULE NOTES	LIES
	MOOR	-LOOF	BASEI	NORTH	SOUTH	EAST	WEST	CEILIN	CEILING	SCHEI	
					ENANC			-	-		the: DISABILI
0	MAINTENANCE ROOM	S.CON	4.V.CB	GB.P	6B.P	6B.P	6B.P	GB.P	q'-0"		SA
				ADMINI	STRATIO	ON BUIL	DING				ntenance Building for the: EVELOPMENTAL DIS
	Superintendant							E.SAT	9'-0" 9'-0"	(1) (2)(3)(4)(b)	D]
	Super't. Assistant Closet							E.SAI	9'-0" 9'-0"		A ^b f
	Office								9'-0"		lift N
	Boiler Room Work Room								VARIES 9'-0"	(2)(4)(18)	AE AE
	Unisex Toilet Room								q'-0"		PN B
	Conference Room Closet							E.SAT	9'-0" 9'-0"	(2)(3)(4)	ntenance Building for EVELOPMENTAL
	Corridor								9-0 9'-0"		EL
	Office							E.SAT	q'-0"	234	EV
	Unisex Toilet Room Private Toilet Room								9'-0" 9'-0"	\mathbb{H}	air DF
2	OFFICE	CPT.T	4.V.CB	6B.P	E.GB.P	6B.P	E.GB.P	E.SAT	9'-0"	2567818	Mai)F D
3 4	OFFICE	CPT.T	4.V.CB	GB.P E.GB.P	E.GB.P	GB.P E.GB.F GB.P	E.GB.P E.GB.P	E.SAT	9'-0" 9'-0"	2 5 6 7 8 9 2 5 6 7 8 IB	ew O
4 5	OFFICE OFFICE	CPT.T CPT.T	4.V.CB 4.V.CB	E.GB.P E.GB.P	GB.P GB.P	E.GB.P	E.GB.P E.GB.P	E.SAT E.SAT	9'-0" 9'-0"	(2)5(6)1(8)18 (2)5(6)1(8)18	and a New 30ARD 0
6	Corridor							E.SAT	9'-0"	234	d a N ARI
17 8	Office Office	CPT.T	4.V.CB	E.GB.P	GB.P	E.GB.P	E.GB.P	SAT	9'-0" 9'-0"	(1) $(2)5(6)(7)(8)(18)$	and BO.
0 За	Closet			~	E.6B.P		~	E.SAT	9-0"		
	Hall								9'-0"		Alterations COUNTY]
20 21	OFFICE	CPT.T CPT.T	4.V.CB 4.V.CB	E.GB.P E.GB.P	E.GB.P E.GB.P	E.GB.P E.GB.P	6B.P 6B.P	E.SAT E.SAT	9'-0" 9'-0"	(2)5(6)7(8)8) (2)5(6)7(8)8)	JN
22	OFFICE	CPT.T	4.V.CB	E.GB.P	E.GB.P	E.GB.P	6B.P	E.SAT	9'-0"	2567818	OU
	I. T. Equipment Room HALL	CPT.T	4.V.CB	6B.P	E.GB.P		6B.P	E.SAT E.SAT	9'-0" 9'-0"	(2)(3)(4)(18) (2)(5)(6)(8)(11)	
	FCDD BOARDROOM	CPT.T	4.v.cb 4.v.cb	GB.P	E.GB.P	E.GB.P	E.GB.P	E.SAT	9-0 9'-0"	(2)(5)(6)(8)(1)(12)	acility ELD Avenue
	MODULAR OFFICES	CPT.T	4.V.CB		E.GB.P	E.GB.P	GB.P E.GB.P		9'-0"	268121318	Facility A IELD C e Avenue Ohio 43130
27 28	WORK ROOM	CPT.T	4.V.CB	6B.P	GB.P	E.GB.P	6B.P	SAT	9'-0" 9'-0"	(2)6)8)12)13)14)15) (1)	Office Facility FAIRFIELD 795 College Avenue Lancaster. Ohio 4313
	WAITING ROOM	LVT	4.V.CB	GB.P E.GB.F	GB.P E.GB.P	E.GB.P	6B.P	SAT	9'-0"	2681314	Office F FAIRF 795 College
	RECEPTIONIST	CPT.T	4.V.CB	E.GB.P	GB.P	GB.P E.GB.F	GB.P E.GB.P	SAT	9'-0" 9'-0"	$\begin{array}{c} (2) 6 (8) (13) (14) (16) \\ (1) (18) \end{array}$	Offi FAJ 795 C Lance
31 32	Office Office								9-0 9'-0"		
	Office								q'-0"		V/DI
	HALL	CPT.T LVT	4.V.CB 4.V.CB	GB.P E.GB.P	E.GB.P GB.P	E.CMU.P E.GB.P	E.CMU.P	E.SAT E.SAT	9'-0" 9'-0"	(2)5(6)8(18) (2)5(6)8(18)	V I I
-	CONFERENCE ROOM	CPT.T	4.V.CB	E.GB.P	GB.P	GB.P	E.GB.P	E.SAT	9'-0"	256781	ARCHITECT
	BREAK ROOM	LVT	4.V.CB	GB.P	E.GB.P	6B.P	E.CMU.P	E.SAT	9'-0"	$\begin{array}{c} (2) \underbrace{5} \underbrace{6} \underbrace{1} \underbrace{8} \underbrace{16} \\ (1) \underbrace{18} \end{array}$	426 EAST MAIN STRE LANCASTER, OHIO 433
	Hall Men's HC Toilet								9'-0" 9'-0"		phone: (740) 654-40 facsimile: (740) 654-30
ю	Janitor Closet								VARIES		Copyright ~ 2023 All drawings are and shall be the prope of VPL Architect's, Inc., and may not b
	Hall Women's HC Toilet								9'-0" 9'-0"		of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect
	STORAGE	VCT	4.V.CB	6B.P	E.CMV.P	E.CMU.P	E.CMV.P	SAT	9-0 9'-0"	2681417	
4	MAINTENANCE OFFICES	VCT	4.V.CB	6B.P		6B.P	E.CMU.P	E.SAT	9'-O"	2567818	COMMISSION N
											P2118
		1	1	A	BBREVI	ATIONS	1	1			ISSUE MARK DATE PROGRESS FINAL 01/21/20
AC	- ACOUSTICAL				JXURY VINY	'L TILE		55		NED AND SEALED	BIDDING 02/15/20
AL B BR	- ALUMINUM - BASE - BRICK			MAS - M	NTRY MAT ASONRY ETAL STUD			STI ST SV			
DR CB CMU	- COVED BASE	' UNIT		MTL - M	ETAL STUD ETAL ON-SLIP			Т	- Shee - Tille R - VAR		
CON CPT	- <i>CO</i> NCRETE - CARPET			P - P. PL - P.	aint / Pain Laster	ITED		V VC	- VINY T - VINY	L L COMPOSITION TILE	
E EX	- EXISTING - EXPOSED				OLISHED			VP VS	T - VINY	L PLANK L STAIR TREAD (AND RISER)	
FB FF FP	- FACE BRICK - FACTORY FINISH - FACTORY PRIMED			Q - Q	ORCELAIN VARRY ESILIENT	IILE		M MA MD	WASI		
FRP 6B	- FIBERGLASS REINF. F - GYPSUM BOARD	PLASTIC		RB - R	ESILIENT UBBER BAS ECHNOFLO(NL WS WS	- WOO	D STUD	
HM HM	- HARDWOOD - HIGH			S - 5 SAT - 5	EALED USPENDED	ACOUSTIC/	AL TILE	4 6	- 4 INC - 6 INC	CHES CHES	DRAWN BY: AB, njp
l LP	- INSULATED OR INSULA - LINER PANEL (METAL			SD - S	ound dead heet			8	- 8 INC		TE OF OU
				GE	ENERAL	NOTES	;				AN
		ACES: LEV	ël 4 finisi	H, PAINT <i>O</i> N	IE (I) <i>CO</i> AT	PRIMER, T	NO (2) COA	ts finish i	NCLUDING	CEILINGS UNLESS NOTED	NICHOLAS A PALLADINO
0	THERWISE (U.N.O.). T ALL WALLS OF TOILET					·					PALLADINO 12669
A.	r Walls at Mop / Utilit	ry sink ins	TALL ONLY	MOISTURE	RESISTAN	r gypsum i	30ard, Ins	TALL FULL	HEIGHT TO	FINISHED CEILING; INSTALL	SEPT ADCHING
SI	NK.		-							(SINK 48 IN. ABOVE TOP OF	WIEU ART
IM					EC EVIT D					LASS B: INTERIOR WALL AND	Nicholas J. Palladino

License No. 12669

Expiration Date: December 31, 2023

ROOM FINISH

SCHEDULE, DOOR

SCHEDULE AND

DETAILS

DRAWING NUMBER

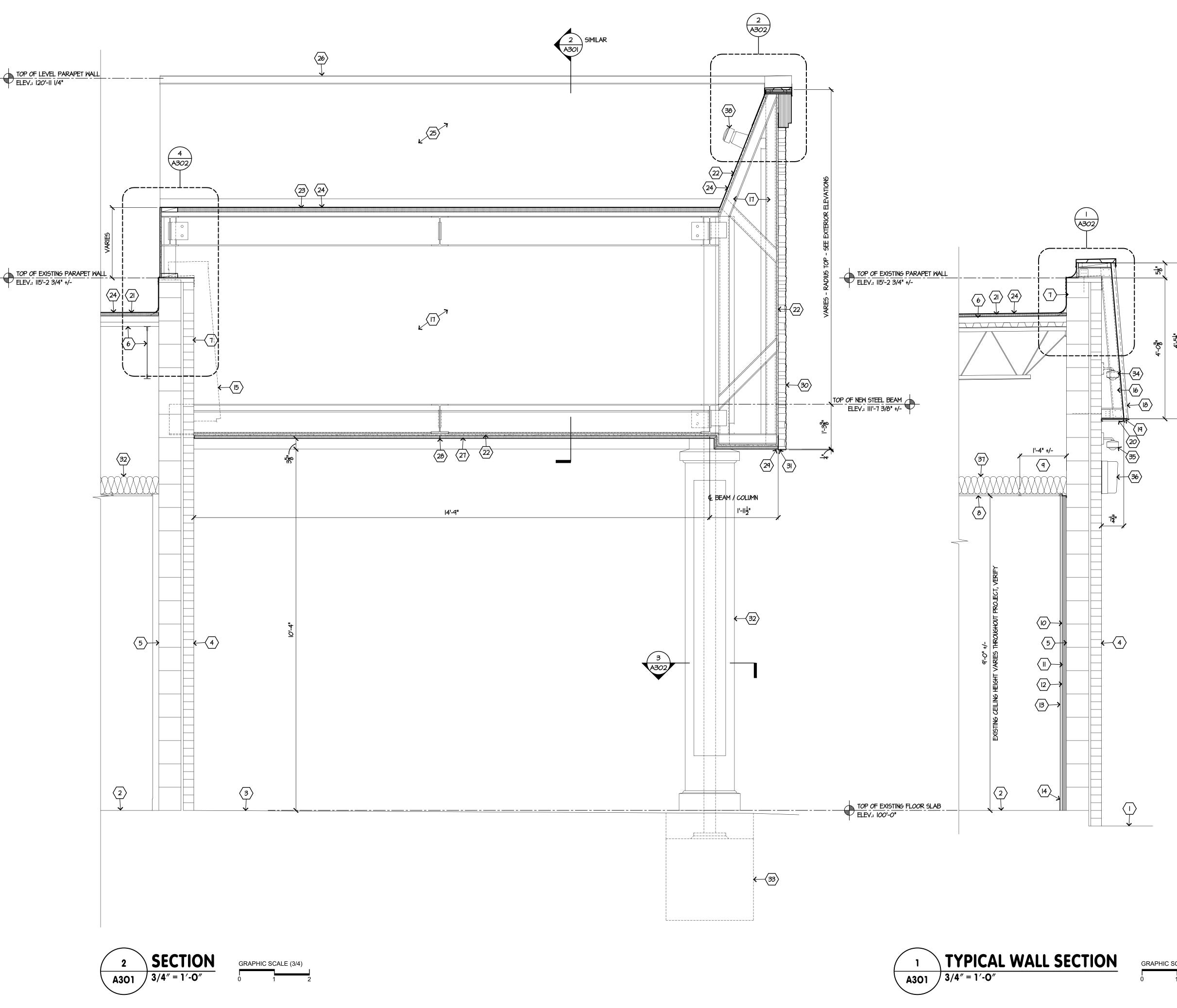
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INTERIOR WALL AND CEILING FINISHES FOR EXIT ENCLOSURES, EXIT PASSAGEWAY AND CORRIDORS SHALL BE CLASS B; INTERIOR WALL AND CEILING FINISHES FOR ROOMS AND ENCLOSED SPACES SHALL BE CLASS C IN ACCORDANCE WITH SECTION 803 AND TABLE 803.9 OBC. INTERIOR FLOOR FINISHES SHALL BE CLASS II AND SHALL COMPLY WITH THE DOC FF-I "PILL TEST" (CPSC 16 CFR, PART 163 IN ACCORDANCE WITH SECTION 804, OBC; UPON REQUEST, FURNISH TO AUTHORITY HAVING JURISDICTION BUILDING OFFICIAL A COPY OF ALL TEST REPORTS FOR EACH FLOOR COVERING USED THIS PROJECT.

PREPARE FLOOR SUBSTRATE FOR EACH FLOOR COVERING USED IN ACCORDANCE WITH FLOORING MANUFACTURER'S PRINTED INSTRUCTIONS AND SPECIFICATIONS.

SHELVING / SHELF: FURNISH FIXED SHELVING STANDARDS SECURED TO CONCEALED WOOD BLOCKING WITH ADJUSTABLE BRACKETS WHERE NOTED AND/OR SHOWN, EACH OF LENGTH OF SHELVING SHALL HAVE STANDARDS AT 30 IN. O.C. WITH A MINIMUM OF TWO (2); SHELVING MATERIAL TO MATCH EXISTING OR AS SELECTED BY OWNER.

8. OWNER TO SELECT ALL COLORS, SHEEN, TEXTURE, PATTERNS, ETC.



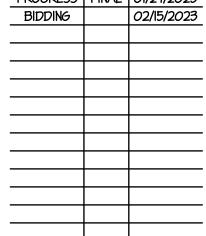
GENERAL NOTES

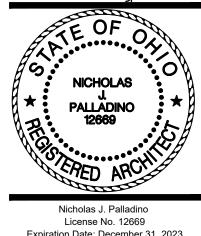
- I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.
- 2. REFER TO NEW WORK FLOOR PLAN FOR LOCATIONS OF INTERIOR WALL FURRING COMPONENTS OVER EXISTING WALL ASSEMBLY.

CODED NOTES 🔿

- I. EXISTING FINISHED GRADE, TYPICAL.
- 2. EXISTING CONCRETE FLOOR SLAB AND FLOOR COVERING TO REMAIN UNLESS NOTED OTHERWISE (U.N.O.), REFER TO ROOM FINISH SCHEDULE.
- 3. EXISTING EXTERIOR CONCRETE PORCH SLAB, REFER TO FLOOR PLANS. 4. EXISTING FACE BRICK EXTERIOR FINISH TO REMAIN UNLESS NOTED OTHERWISE
- U.N.O.
- 5. EXISTING EXPOSED C.M.U. TO REMAIN U.N.O.
- 6. EXISTING BUILT-UP ROOFING: BUILT-UP ROOFING OVER RIGID INSULATION OVER PERLITE BOARD OVER METAL DECKING OVER STEEL BAR JOIST ROOF STRUCTURE, REFER TO ROOF PLANS.
- 7. EXISTING, CONTINUOUS, C.M.U. PARAPET WALL AND CONTINUOUS WOOD TOP PLATE TO REMAIN U.N.O., REFER TO ROOF PLANS
- 8. EXISTING SUSPENDED ACOUSTICAL TILE CEILING SYSTEM.
- 9. REMOVE EXISTING ACOUSTICAL END-TILES AND EXISTING METAL SUSPENSION SYSTEM TO ALLOW THE INSTALLATION OF NEW WALL FINISH ASSEMBLY, WIDTH FROM WALL WILL VARY, RE-USE EXISTING OR INSTALL NEW METAL SUSPENSION COMPONENTS, "TRIM-CUT" AND RE-USE EXISTING ACOUSTICAL CEILING TILES.
- IO. NEW 20 GA. GALVANIZED STEEL, I-I/2 IN., "Z" FURRING AT 24 IN. OC., TYPICAL. II. NEW I-1/2 IN. THICK RIGID THERMAL INSULATION, R-10.8 MIN., TIGHTLY FITTED TO
- METAL FURRING, TAPE SEAL JOINTS, USE RMAX TYPE TSX SERIES POLYISOCYANURATE AND R-SEAL 3000W TAPE OR EQUAL.
- 12. NEW 6 MIL POLYETHYLENE MOISTURE BARRIER, TAPE ALL SEAMS.
- 13. NEW 5/8 IN. TYPE "X" GYPSUM BOARD.
- 14. NEW 4 IN. VINYL / RUBBER COVED WALL BASE TRIM.
- 15. NEW MANSARD ROOF ASSEMBLY BEYOND SHOWN DASHED.
- 16. NEW MANSARD ROOF STRUCTURAL FRAMING, INSTALL CONTINUOUS 6 IN. WIDE x 16 GA. GALVANIZED SHEETS AT 12 IN. OC. AT MANSARD FRAMING FOR ANCHORING OF MANSARD ROOF PANEL CONCEALED FASTENERS, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 17. NEW PORCH COVER STRUCTURAL FRAMING, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 18. NEW MANSARD ROOFING PANELS, 26 GA. FACTORY FACTORY FORMED AND FINISHED GALVANIZED STEEL.
- 19. NEW, CONTINUOUS, ROOF PANEL BOTTOM CLOSURE / STARTER TRIM, 26 GA. FACTORY FORMED AND FINISHED GALVANIZED STEEL.
- 20. NEW NON-PERFORATED SOFFIT PANEL AND TRIM ACCESSORIES, 29 GA. FACTORY FORMED AND FINISHED GALVANIZED STEEL.
- 21. NEW NON-TAPERED I IN. MIN THICKNESS RIGID INSULATION OVER EXISTING BUILT-UP ROOF, REFER TO ROOF PLANS.
- 22. NEW 5/8 IN. EXTERIOR GYPSUM BOARD SHEATHING, "DENS-GLAS" OR EQUAL, PREPARE SURFACE IN ACCORDANCE WITH ROOFING MEMBRANE MANUFACTURER AND EIFS MANUFACTURER, INSTALL SHEATHING IN ACCORDANCE WITH MANUFACTURER'S PRINTED DETAILS AND SPECIFICATIONS.
- 23. NEW NON-TAPERED 1-1/2 MIN. THICKNESS RIGID INSULATION OVER NEW STEEL DECK, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 24. NEW 60 MIL EPDM ROOFING AND FLASHING, INSTALL UP EXISTING PARAPET WALL AND OVER NEW MANSARD ROOF FRAMING AND OVER NEW PORCH ROOF FRAMING AND UP PORCH PARAPET FRAMING.
- 25. EPDM ROOFING AND FLASHING BEYOND.
- 26. PARAPET COPING FLASHING BEYOND.
- 27. I IN. TH. HORIZONTAL EIFS ON LIGHT GAUGE STEEL FRAMING.
- 28. INSTALL EXPANSION JOINT AT CEILING FINISH ASSEMBLY IN ACCORDANCE WITH EIFS MANUFACTURER.
- 29. CONTINUOUS WATER-STOP NOTCH AT EIFS.
- 30. "DRAINABLE" MANUFACTURED STONE VENEER ASSEMBLY, REFER TO EXTERIOR ELEVATIONS.
- 31. CONTINUOUS 26 GAUGE GALVANIZED STEEL, FACTORY FINISHED, DRIP-EDGE FLASHING IN ACCORDANCE WITH STONE VENEER MANUFACTURER.
- 32. EIFS ON LIGHT GAUGE STEEL FRAMING CONCEALING STRUCTURAL STEEL TUBE COLUMN, TUBE COLUMN BEYOND SHOWN DASHED, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 33. CONCRETE FOUNDATION BEYOND SHOWN DASHED FOR STEEL TUBE COLUMN, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 34. APPROXIMATE LOCATION OF EXISTING SURVEILLANCE CAMERA TO BE REMOVED AND RELOCATED, REFER TO EXTERIOR ELEVATIONS AND ELECTRICAL ENGINEER'S DRAWINGS.
- 35. APPROXIMATE LOCATION OF EXISTING SURVEILLANCE CAMERA RELOCATED, REFER TO EXTERIOR ELEVATIONS AND ELECTRICAL ENGINEER'S DRAWINGS.
- 36. APPROXIMATE LOCATION OF EXISTING WALL-PACK LIGHT FIXTURE TO REMAIN, REFER TO EXTERIOR ELEVATIONS AND ELECTRICAL ENGINEER'S DRAWINGS. 37. MAINTAIN EXISTING THERMAL INSULATION OVER SUSPENDED CEILING WHEN
- PRESENT.
- 38. ATTIC SPACE VENTILATOR, REFER TO NEW WORK ROOF PLAN.

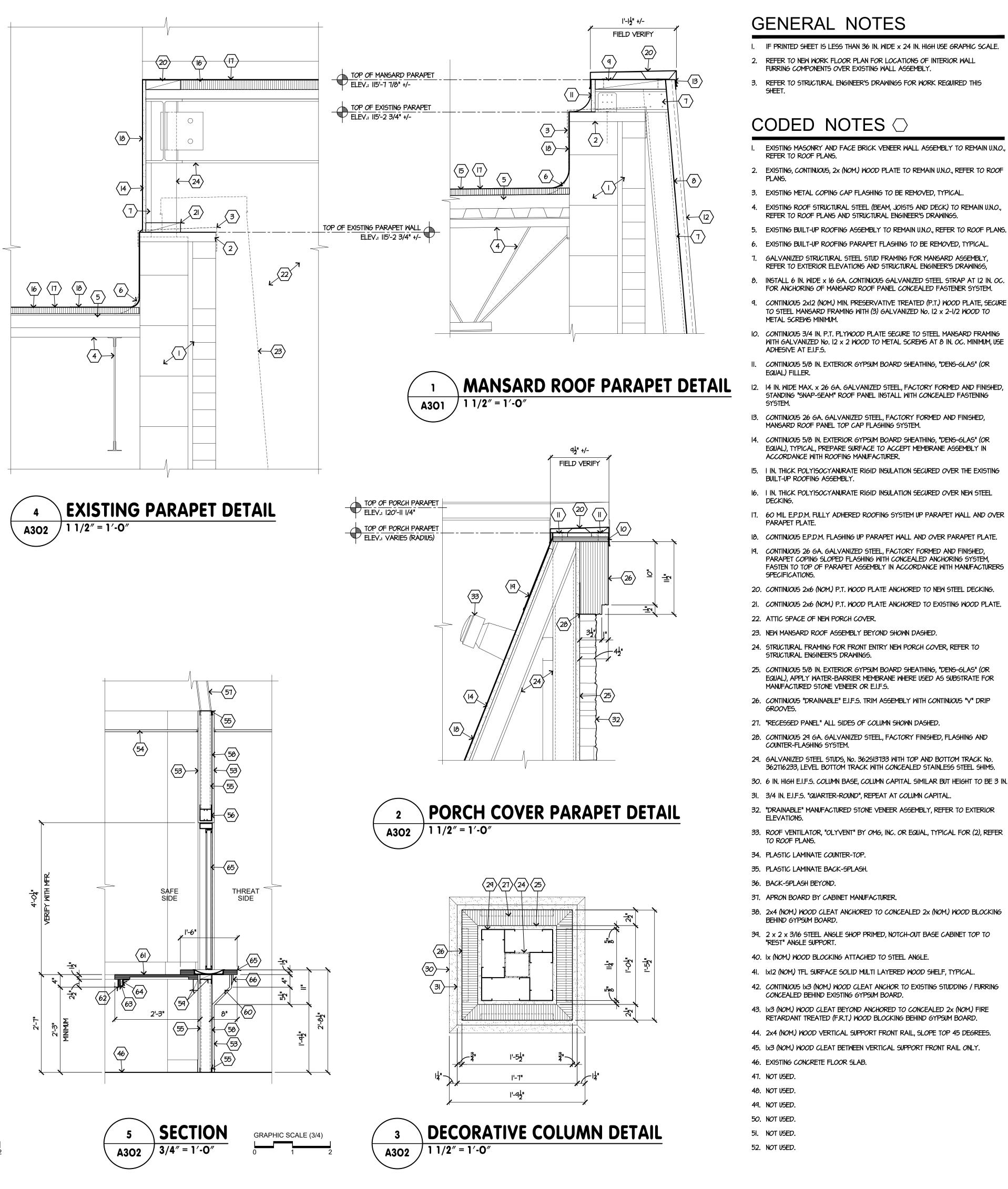
S [L] ITI, BIL DIS for the: AL v Maintenance Building f DF DEVELOPMENTA New \bigcirc s and a Nev BOARD y Alterations a COUNTY E enue 43130 Office Facility . FAIRFIELD C 795 College Avenue lege Ave sr, Ohio ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect COMMISSION No. P2118 ISSUE MARK DATE PROGRESS FINAL 01/27/2023

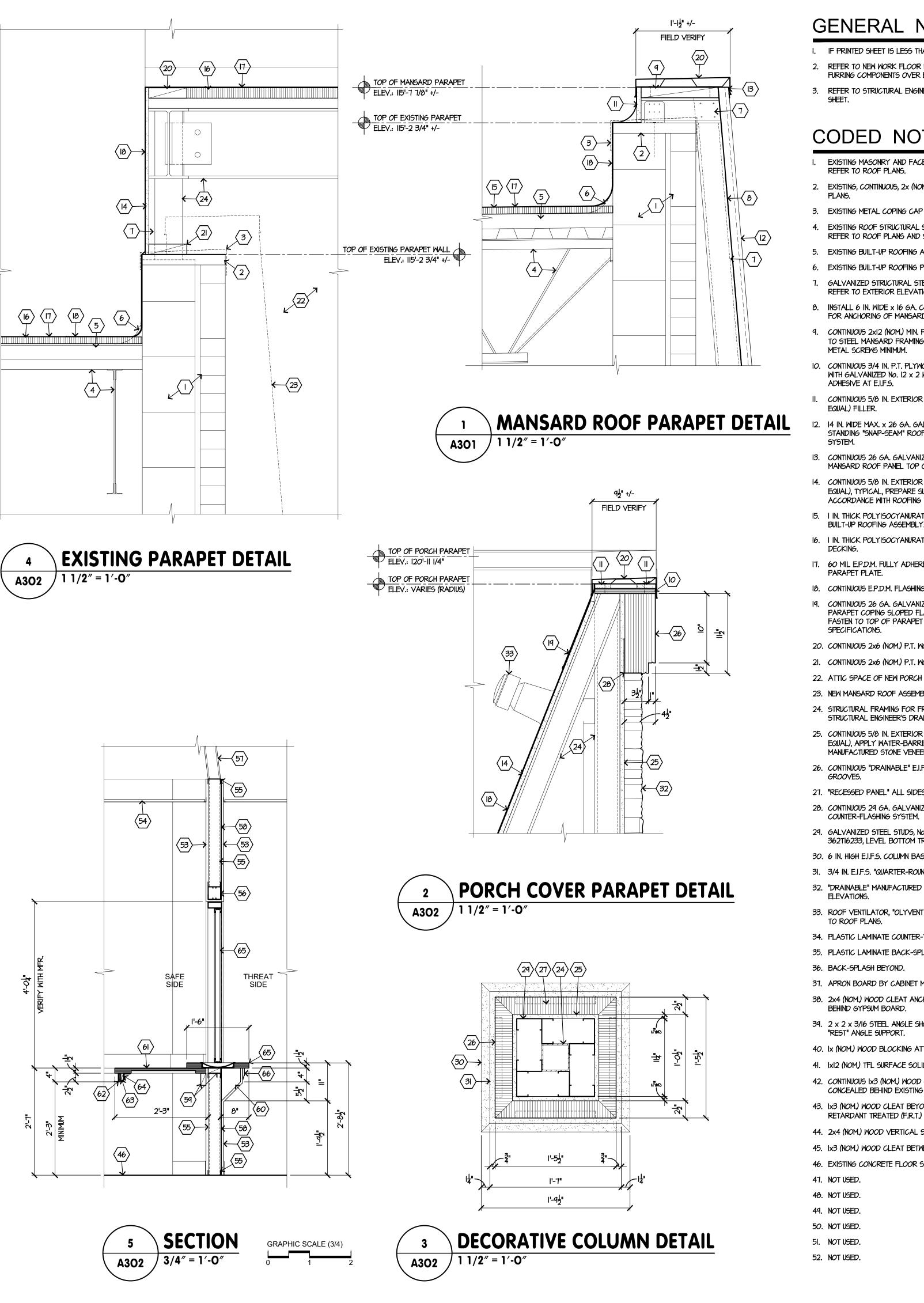


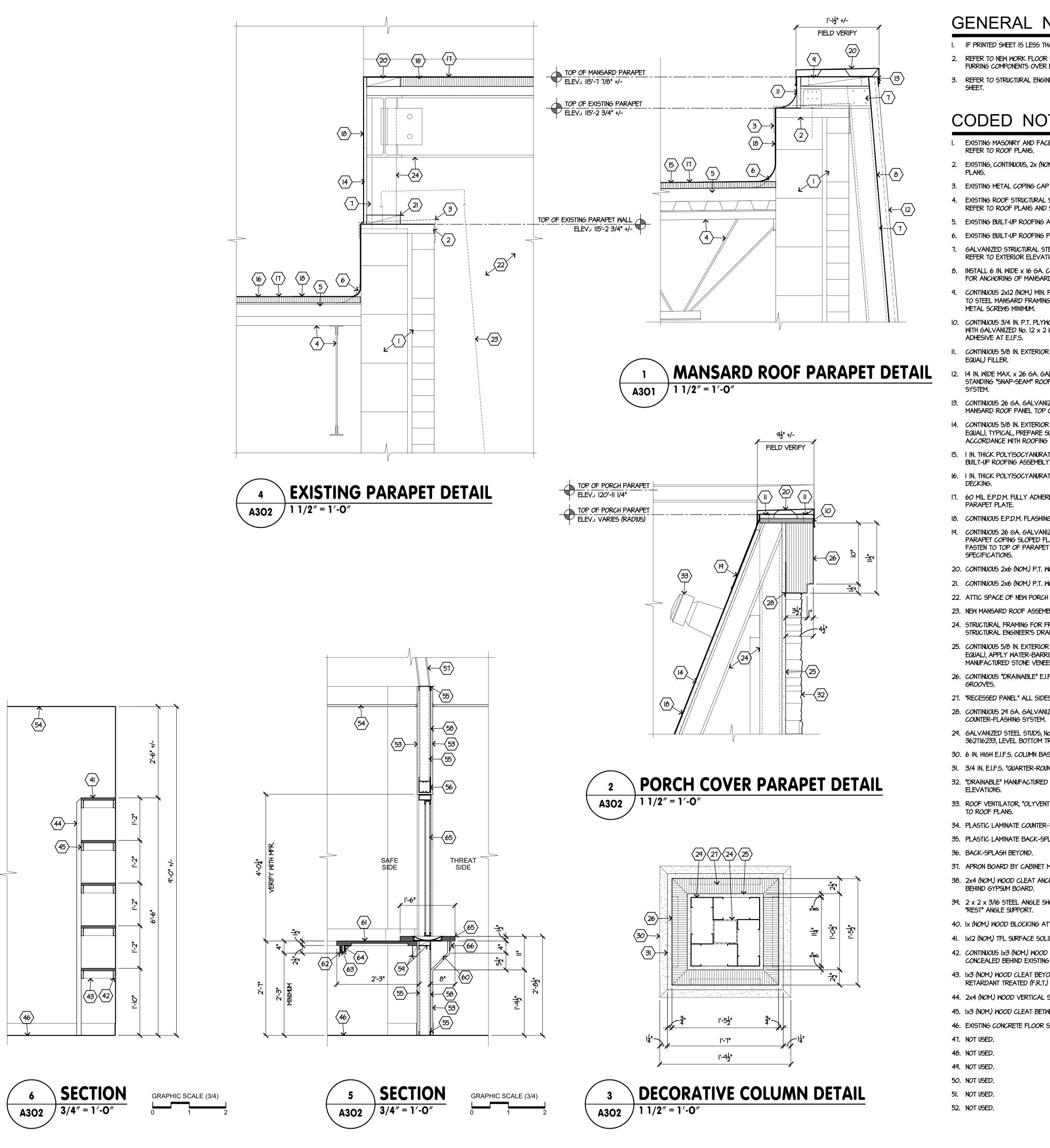


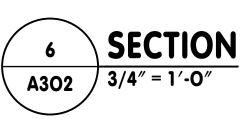
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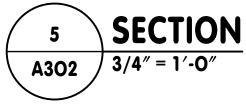












I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.

I. EXISTING MASONRY AND FACE BRICK VENEER WALL ASSEMBLY TO REMAIN U.N.O.,

2. EXISTING, CONTINUOUS, 2x (NOM.) WOOD PLATE TO REMAIN U.N.O., REFER TO ROOF

4. EXISTING ROOF STRUCTURAL STEEL (BEAM, JOISTS AND DECK) TO REMAIN U.N.O.,

5. EXISTING BUILT-UP ROOFING ASSEMBLY TO REMAIN U.N.O., REFER TO ROOF PLANS.

- 8. INSTALL 6 IN. WIDE X 16 GA. CONTINUOUS GALVANIZED STEEL STRAP AT 12 IN. OC. FOR ANCHORING OF MANSARD ROOF PANEL CONCEALED FASTENER SYSTEM.
- TO STEEL MANSARD FRAMING WITH (3) GALVANIZED No. 12 x 2-1/2 WOOD TO

WITH GALVANIZED No. 12 x 2 WOOD TO METAL SCREWS AT & IN. OC. MINIMUM, USE

12. 14 IN. WIDE MAX. x 26 GA. GALVANIZED STEEL, FACTORY FORMED AND FINISHED, STANDING "SNAP-SEAM" ROOF PANEL INSTALL WITH CONCEALED FASTENING

EQUAL), TYPICAL, PREPARE SURFACE TO ACCEPT MEMBRANE ASSEMBLY IN

15. I IN. THICK POLYISOCYANURATE RIGID INSULATION SECURED OVER THE EXISTING

16. I IN. THICK POLYISOCYANURATE RIGID INSULATION SECURED OVER NEW STEEL

17. 60 MIL E.P.D.M. FULLY ADHERED ROOFING SYSTEM UP PARAPET WALL AND OVER

18. CONTINUOUS E.P.D.M. FLASHING UP PARAPET WALL AND OVER PARAPET PLATE. PARAPET COPING SLOPED FLASHING WITH CONCEALED ANCHORING SYSTEM,

20. CONTINUOUS 2x6 (NOM.) P.T. WOOD PLATE ANCHORED TO NEW STEEL DECKING. 21. CONTINUOUS 2x6 (NOM.) P.T. WOOD PLATE ANCHORED TO EXISTING WOOD PLATE.

25. CONTINUOUS 5/8 IN. EXTERIOR GYPSUM BOARD SHEATHING, "DENS-GLAS" (OR EQUAL), APPLY WATER-BARRIER MEMBRANE WHERE USED AS SUBSTRATE FOR

26. CONTINUOUS "DRAINABLE" E.I.F.S. TRIM ASSEMBLY WITH CONTINUOUS "V" DRIP

362TI6233, LEVEL BOTTOM TRACK WITH CONCEALED STAINLESS STEEL SHIMS. 30. 6 IN. HIGH E.I.F.S. COLUMN BASE, COLUMN CAPITAL SIMILAR BUT HEIGHT TO BE 3 IN.

32. "DRAINABLE" MANUFACTURED STONE VENEER ASSEMBLY, REFER TO EXTERIOR

33. ROOF VENTILATOR, "OLYVENT" BY OMG, INC. OR EQUAL, TYPICAL FOR (2), REFER

38. 2x4 (NOM.) WOOD CLEAT ANCHORED TO CONCEALED 2x (NOM.) WOOD BLOCKING

42. CONTINUOUS 1x3 (NOM.) WOOD CLEAT ANCHOR TO EXISTING STUDDING / FURRING

43. Ix3 (NOM.) WOOD CLEAT BEYOND ANCHORED TO CONCEALED 2x (NOM.) FIRE RETARDANT TREATED (F.R.T.) WOOD BLOCKING BEHIND GYPSUM BOARD. 44. 2x4 (NOM.) WOOD VERTICAL SUPPORT FRONT RAIL, SLOPE TOP 45 DEGREES.

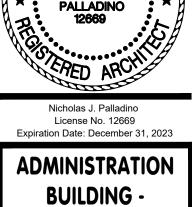
CODED NOTES, CONT'D. \bigcirc

53. 5/8 IN. TYPE "X" GYPSUM BOARD.

- 54. SUSPENDED ACOUSTICAL CEILING ASSEMBLY.
- 55. 362516233 AT 16 IN. OC. WITH CONTINUOUS 362T16233 TOP AND BOTTOM TRACK, BOTTOM TRACK FASTENED TO EXISTING CONCRETE SLAB WITH 3/16 IN. DIA. POWDER ACTUATED FASTENERS AT 32 IN. OC. WITH I-3/4 IN. EMBEDMENT.
- 56. (2) 600s16233 HEADER AT OPENING.
- 57. 362516233 AT 32 IN. OC., SECURE TO TOP OF PARTITION TO EXISTING STEEL STRUCTURE ABOVE.
- 58. 1/16 IN. TH. U.L. RATED LEVEL 2 BULLET RESISTANT GLASS FIBER PANELS CONCEALED BEHIND GYPSUM BOARD FULL HEIGHT AND WIDTH OF PARTITION. 59. CONTINUOUS 2x4 (NOM.) F.R.T. WOOD PLATE ON METAL STUD TRACK AND CLEAT
- UNDER COUNTER-TOP. 60. 2x6 (NOM.) F.R.T. WOOD BLOCKING AT 16 IN. OC., ANGLED TOWARDS WALL AS
- SHOWN ON MOUNT LEVEL 2 GLASS FIBER PANEL SECURED TO METAL STUDS, COVER WITH 5/8 IN. TYPE "X" GYPSUM BOARD.
- 61. PLASTIC LAMINATE COUNTER-TOP.
- 62. IX (NOM.) APRON BOARD BY CABINET MANUFACTURER.
- 63. CONTINUOUS IX (NOM.) WOOD BLOCKING FILLER
- 64. 2 x 2 x 3/16 STEEL ANGLE.
- 65. 36 IN. W. x 48 IN. H. U.L. RATED LEVEL 2 BULLET RESISTANT TRANSACTION WINDOW WITH PLASTIC LAMINATE SHELF, SPEAK-THRU AND DEAL TRAY.
- 66. PAINT GRADE POPLAR WOOD IX (NOM.) APRON TRIM.
- S ITIE BIL DIS the for AL ce Building Maintenance Maintenance Maintenance New \bigcirc s and a Ner BOARD y Alterations a 43130 Office Facility FAIRFIELD 795 College Avenue ige Ave ;, Ohio ΓŢ τητ ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect

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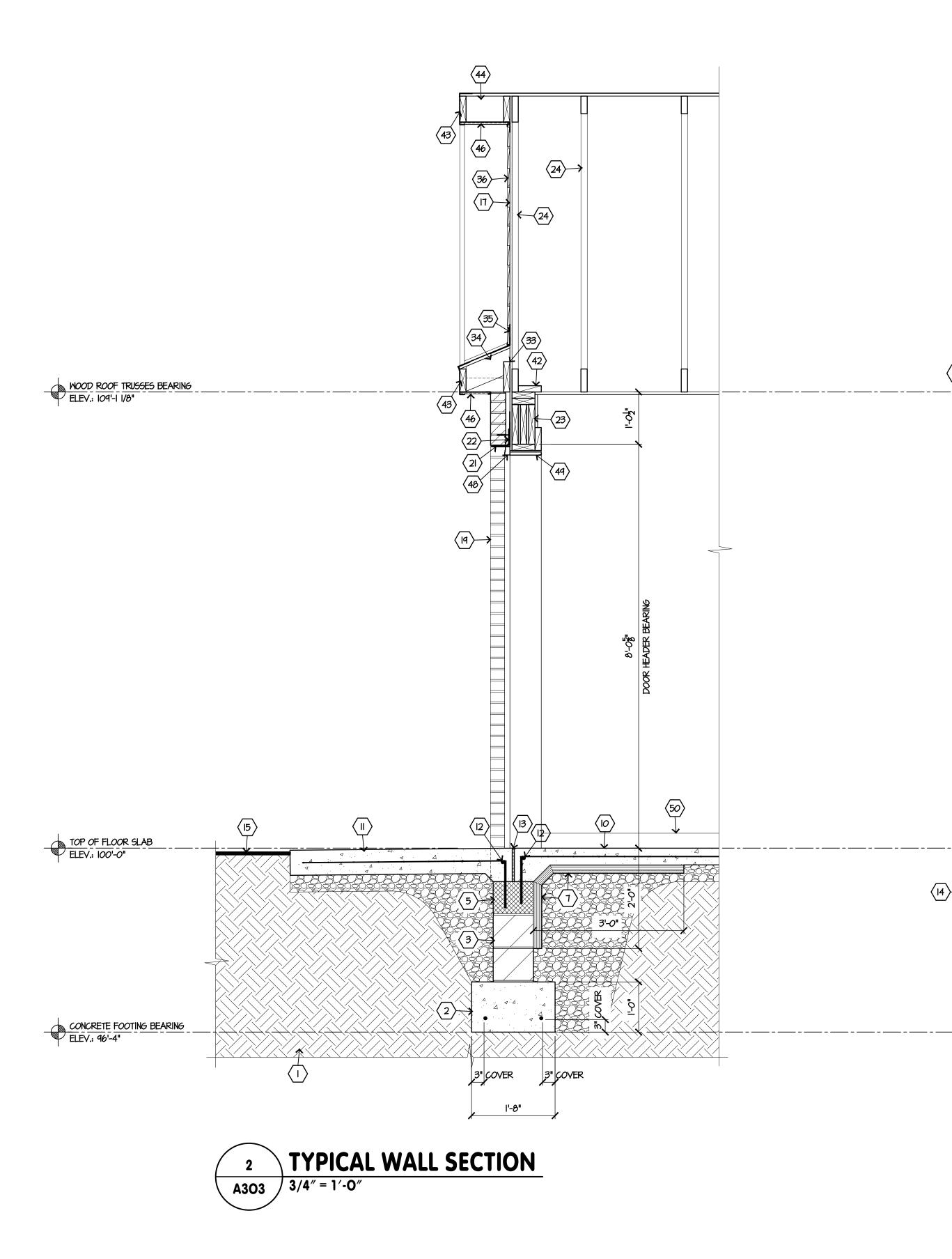


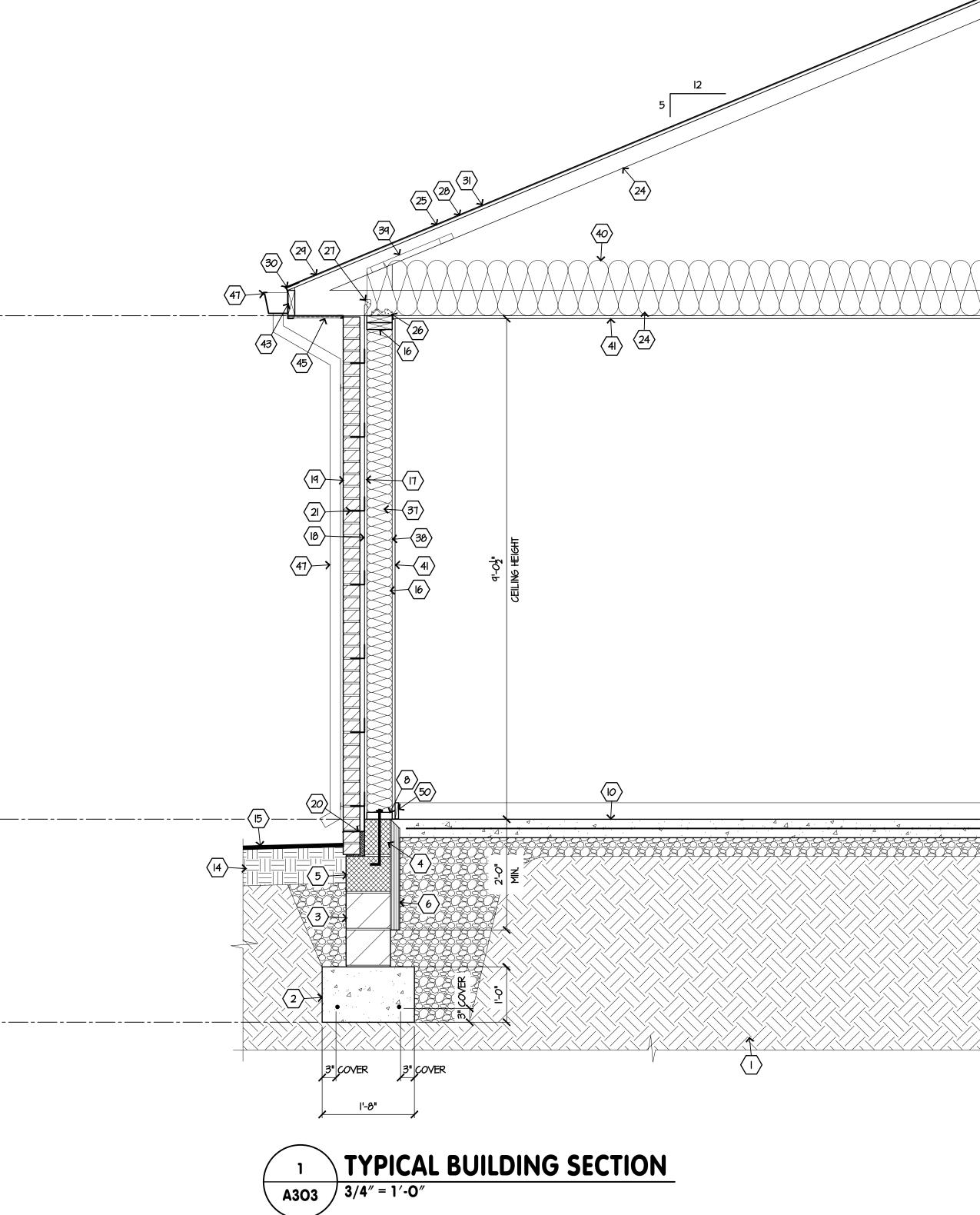
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GRAPHIC SCALE (1 1/2)





GENERAL NOTES

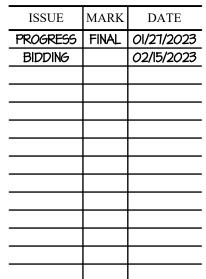
I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.

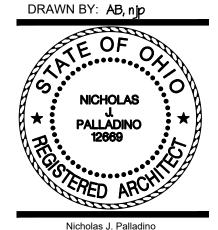
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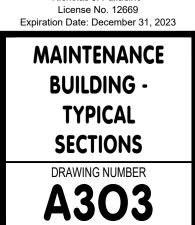
I. UNDISTURBED EARTH, TYPICAL.

- 2. CONTINUOUS 3,000 psi CONCRETE FOOTING WITH (2) No. 5 BARS.
- 3. CONTINUOUS IO IN. (NOM.), A.S.T.M. C90, C.M.U. FOUNDATION WALL, FURNISH CONTINUOUS IO IN. SOLID C.M.U., TYPICAL.
- 4. CONTINUOUS 6 IN. (NOM.), A.S.T.M. C90, C.M.U. FOUNDATION WALL ON 10 IN. (NOM.) C.M.U., GROUT SOLID, TYPICAL.
- 5. CONTINUOUS (GROUT) SOLID, A.S.T.M. C90, C.M.U. TOP COURSE AND AT "CHANGE-IN-WYTHE" COURSE.
- 6. CONTINUOUS 2 IN., R-10.0, RIGID THERMAL INSULATION AT FLOOR SLAB PERIMETER.
- 7. AT WALL OPENINGS INSTALL 2 IN., R-10.0, RIGID THERMAL INSULATION VERTICALLY AND HORIZONTALLY AS DIMENSIONED.
- CONTINUOUS 2x6 (NOM.) PRESERVATIVE TREATED (P.T.) WOOD PLATE WITH INSULATING "SILL-SEALER" AND I/2 IN. DIA. x 12 IN. L. GALVANIZED HOOKED ANCHOR BOLT AT 48 IN. O.C.
- CONTINUOUS 2x6 (NOM.) P.T. WOOD PLATE WITH INSULATING "SILL-SEALER" AND I/2 IN. DIA. x 12 L. GALVANIZED HOOKED ANCHOR BOLT AT 48 IN. O.C.
- IO. 4 IN. TH. (MIN.), 3,500 psi, CONCRETE FLOOR SLAB WITH 6x6-1.4Wx1.4W WELDED WIRE STEEL REINFORCING OVER 6 MIL POLYETHYLENE MOISTURE BARRIER OVER 4 IN. COMPACTED GRANULAR FILL.
- II. 6 IN. TH. (MIN.), 4,500 psi AIR ENTRAINED, CONCRETE APRON / WALK SLAB WITH 6x6-2.9Wx2.9W WELDED WIRE STEEL REINFORCING OVER 4 IN. COMPACTED GRANULAR FILL.
- 12. AT O.H. DOOR OPENING INSTALL (1) HORIZONTAL No. 5 BAR AT FLOOR SLAB AND AND APRON SLAB, "PIN" SLABS WITH 12 IN. LONG VERTICAL No. 4 DOWELS AT 16 IN. OC.
- 13. 3/8 IN. TH. EXPANSION MATERIAL AND EXTERIOR SEALANT.
- 14. GRANULAR AND EARTH BACKFILL.
- 15. PROPOSED FINISH GRADE, REFER SITE PLAN DRAWING.
- 16. 2x6 (NOM.) WOOD STUDS AT 16 IN. O.C. WITH CONTINUOUS SINGLE BOTTOM PLATE (PLAN NOTE No. 9) AND CONTINUOUS DOUBLE TOP PLATE.
- 17. CONTINUOUS 1/2 IN. (NOM.) ORIENTED STRAND BOARD (O.S.B.) WOOD SHEATHING, FASTENED TO STUDS WITH & RING OR SCREW SHANK NAILS SPACED 6 IN. OC. AT PANEL EDGES AND 12 IN. OC. AT INTERMEDIATE SUPPORTS.
- 18. COVER WOOD SHEATHING WITH CONTINUOUS INFILTRATION BARRIER APPROVED FOR BRICK VENEER ASSEMBLIES.
- 19. CONTINUOUS 4 IN. (NOM.) FACE BRICK.
- 20. CONTINUOUS MASONRY FLASHING AND COUNTER-FLASHING WITH 3/8 IN. DIA. TUBE WEEPS AT 48 IN. OC.
- 21. STEEL ANGLE LINTEL, 4 IN. x 4 IN. x 1/4 IN., INSTALL WITH 6 IN. LONG BEARING EACH END, PROVIDE SHOP APPLIED PRIMER COAT PAINT ALL SURFACES, TYPICAL ALL FACE BRICK LINTELS.
- 22. CONTINUOUS MASONRY HEAD FLASHING AND COUNTER-FLASHING WITH END DAMS AND 3/8 IN. WEEPS AT 32 IN. OC.
- 23. (3) 2x10 (NOM.) WITH 1/2 IN. (NOM.) O.S.B. WOOD HEADER WITH DOUBLE JACK STUDS UNDER.
- 24. PRE-FABRICATED ENGINEERED WOOD TRUSSES AT 24 IN. OC., REFER TO DIVISION OG OF THE GENERAL NOTES.
- 25. CONTINUOUS 5/8 IN. O.S.B. WOOD ROOF SHEATHING FASTEN TO TRUSSES IOD RINK OR SCREW SHANK NAILS SPACED AT 6 IN. OC. AT PANEL EDGES AND 12 IN. OC. AT INTERMEDIATE SUPPORTS.
- 26. SIMPSON 18 GA. A34 FASTENER (1) SIDE EACH TRUSS EACH END.
- 27. SIMPSON 18 GA. H2.5 FASTENER EACH TRUSS EACH END.
- 28. CONTINUOUS 15 Ibs. NON-PERFORATED ASPHALT SATURATED UNDERLAYMENT.
- 29. CONTINUOUS SELF-ADHERING POLYMER-MODIFIED BITUMEN ICE-BARRIER MEMBRANE.
- 30. CONTINUOUS FACTORY FORMED AND FINISHED 29 GA. GALVANIZED STEEL ROOF EDGE FLASHING.
- 31. CONTINUOUS ASPHALT ROOF SHINGLE WITH LIFE TIME WARRANTY.
- 32. CONTINUOUS SHINGLE CAP COVERED RIDGE VENTILATOR.
- 33. CONTINUOUS 2x8 (NOM.) WOOD LEDGER.
- 34. 2x6 (NOM.) WOOD RAFTER AND 2x4 (NOM.) WOOD JOIST AT 16 IN. OC., MATCH MAIN BUILDING ROOF FINISH ASSEMBLY.
- 35. CONTINUOUS 26 GA. GALVANIZED STEEL FLASHING, FACTORY PAINTED.
- 36. VINYL SIDING AND COMPONENTS FOR A COMPLETE WEATHERTIGHT AND "FINISHED" ASSEMBLY.
- 37. 6 IN. (NOM.) R-19.0 THERMAL INSULATION.
- 38. 6 MIL POLYETHYLENE MOISTURE BARRIER.
- 39. INSULATION BAFFLE EVERY TRUSS SPACE.
- 40. 12 IN. (NOM.) R-38.0 THERMAL INSULATION.
- 41. 5/8 IN. TYPE "X" GYPSUM BOARD.
- 42. 2x (NOM.) WOOD LATHE-CATCHER.
- 43. CONTINUOUS 2x6 (NOM.) WOOD SUB-FASCIA BOARD COVERED WITH FACTORY FORMED AND FINISHED ALUMINUM FASCIA COVER.
- 44. 2x6 (NOM.) WOOD "OVER-HANG" FRAMING AT 16 IN. OC.
- 45. CONTINUOUS FACTORY FORMED AND FINISHED PERFORATED ALUMINUM SOFFIT PANELS AND COMPONENTS.
- 46. CONTINUOUS FACTORY FORMED AND FINISHED NON-PERFORATED ALUMINUM SOFFIT PANELS AND COMPONENTS.
- 47. CONTINUOUS FACTORY FINISHED ALUMINUM GUTTER AND FACTORY FORMED AND FINISHED DOWN-SPOUT (D.S.) ASSEMBLIES, D.S. TO SPLASH BLOCKS.
- 48. FACTORY FORMED 2 IN. (NOM.) "BRICK-MOULD" TRIM.
- 49. IX (NOM.) WOOD HEAD AND JAMB TRIM COVERED WITH ALUMINUM "BREAK" METAL.
- 50. CONTINUOUS 1x4 (NOM.) WOOD TRIM, PAINT GRADE PINE, IN PROFILE AND BEYOND.

 \mathcal{O} ITIE BIL DIS the: for AL v Maintenance Building f DF DEVELOPMENTA New \bigcirc s and a Nev BOARD y Alterations COUNTY F 30 Office Facility . FAIRFIELD C 795 College Avenue enue 431 ege Ave , Ohio ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect COMMISSION No. P2118

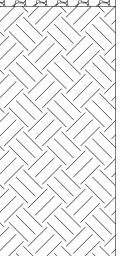


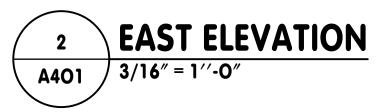


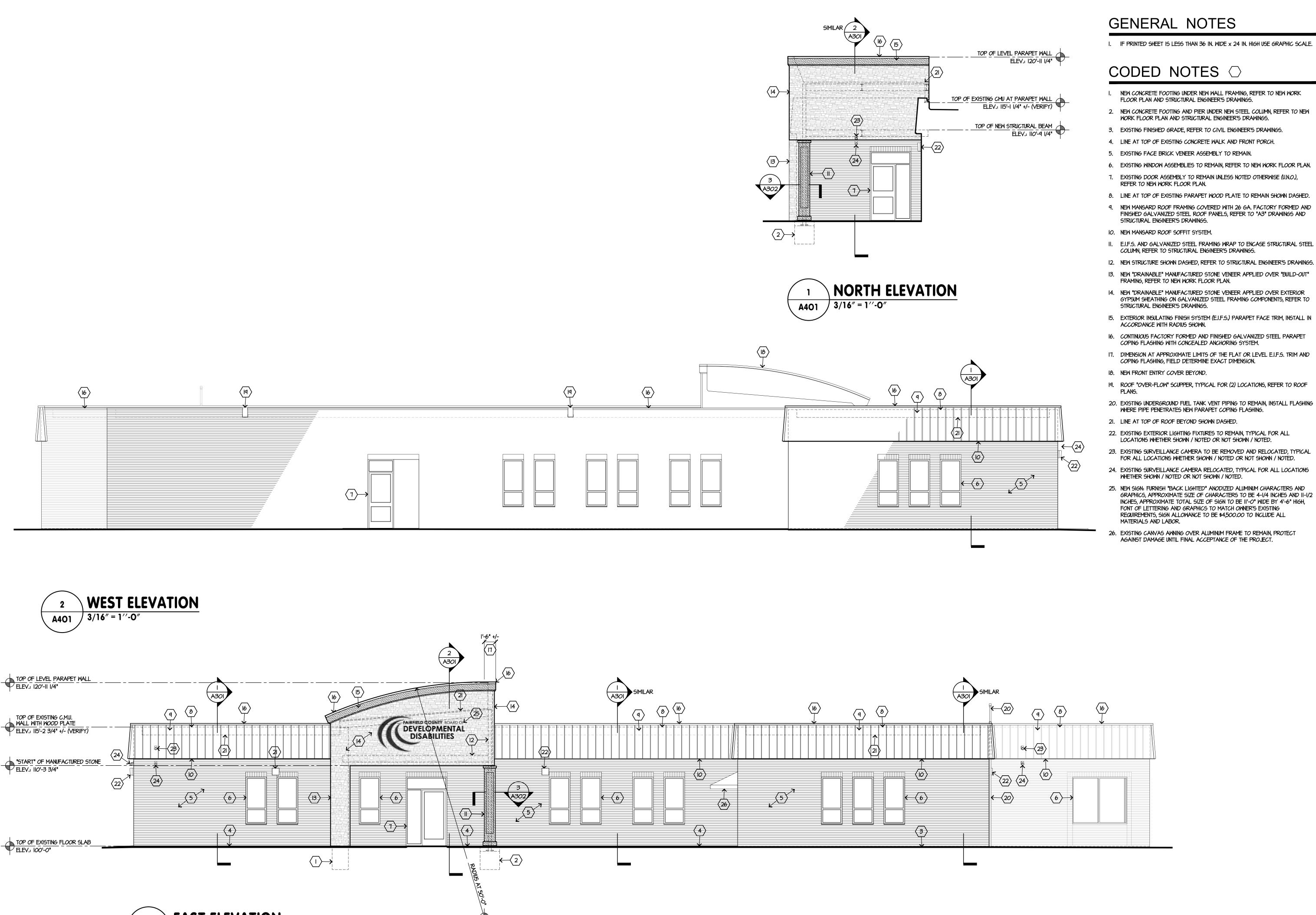


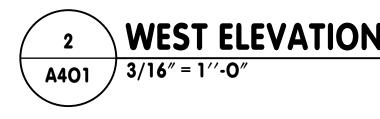
GRAPHIC SCALE (3/4)

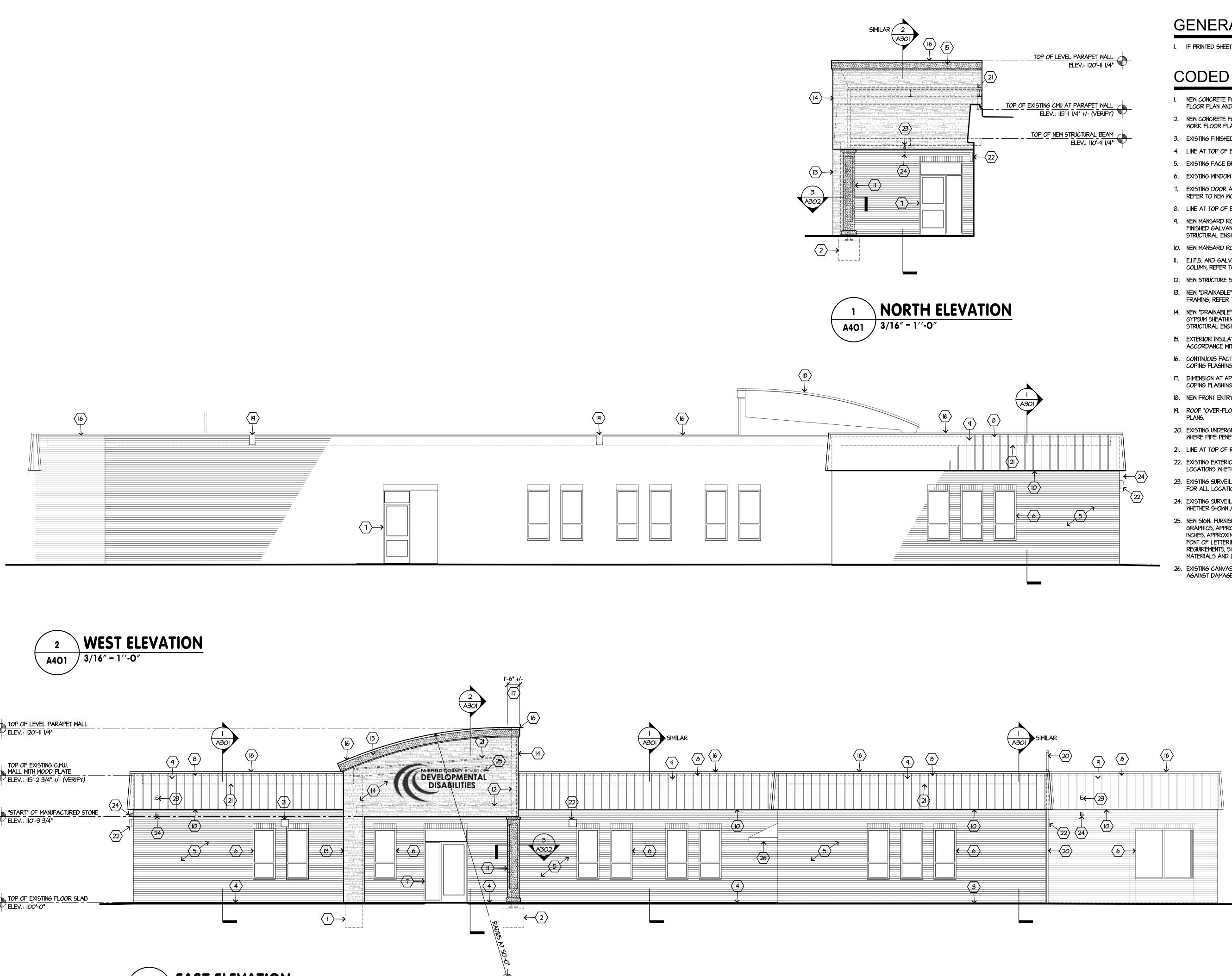
(32)











GENERAL NOTES

- I. NEW CONCRETE FOOTING UNDER NEW WALL FRAMING, REFER TO NEW WORK FLOOR PLAN AND STRUCTURAL ENGINEER'S DRAWINGS.
- 2. NEW CONCRETE FOOTING AND PIER UNDER NEW STEEL COLUMN, REFER TO NEW WORK FLOOR PLAN AND STRUCTURAL ENGINEER'S DRAWINGS.
- 3. EXISTING FINISHED GRADE, REFER TO CIVIL ENGINEER'S DRAWINGS.
- 4. LINE AT TOP OF EXISTING CONCRETE WALK AND FRONT PORCH.
- 5. EXISTING FACE BRICK VENEER ASSEMBLY TO REMAIN.
- 6. EXISTING WINDOW ASSEMBLIES TO REMAIN, REFER TO NEW WORK FLOOR PLAN.
- 7. EXISTING DOOR ASSEMBLY TO REMAIN UNLESS NOTED OTHERWISE (U.N.O.), REFER TO NEW WORK FLOOR PLAN.
- 8. LINE AT TOP OF EXISTING PARAPET WOOD PLATE TO REMAIN SHOWN DASHED. 9. NEW MANSARD ROOF FRAMING COVERED WITH 26 GA. FACTORY FORMED AND FINISHED GALVANIZED STEEL ROOF PANELS, REFER TO "A3" DRAWINGS AND STRUCTURAL ENGINEER'S DRAWINGS.
- IO. NEW MANSARD ROOF SOFFIT SYSTEM.
- II. E.I.F.S. AND GALVANIZED STEEL FRAMING WRAP TO ENCASE STRUCTURAL STEEL COLUMN, REFER TO STRUCTURAL ENGINEER'S DRAWINGS.
- 12. NEW STRUCTURE SHOWN DASHED, REFER TO STRUCTURAL ENGINEER'S DRAWINGS. 13. NEW "DRAINABLE" MANUFACTURED STONE VENEER APPLIED OVER "BUILD-OUT"
- FRAMING, REFER TO NEW WORK FLOOR PLAN. 14. NEW "DRAINABLE" MANUFACTURED STONE VENEER APPLIED OVER EXTERIOR
- STRUCTURAL ENGINEER'S DRAWINGS. 15. EXTERIOR INSULATING FINISH SYSTEM (E.I.F.S.) PARAPET FACE TRIM, INSTALL IN
- 16. CONTINUOUS FACTORY FORMED AND FINISHED GALVANIZED STEEL PARAPET
- 17. DIMENSION AT APPROXIMATE LIMITS OF THE FLAT OR LEVEL E.I.F.S. TRIM AND COPING FLASHING, FIELD DETERMINE EXACT DIMENSION.
- 18. NEW FRONT ENTRY COVER BEYOND.
- 19. ROOF "OVER-FLOW" SCUPPER, TYPICAL FOR (2) LOCATIONS, REFER TO ROOF
- 20. EXISTING UNDERGROUND FUEL TANK VENT PIPING TO REMAIN, INSTALL FLASHING WHERE PIPE PENETRATES NEW PARAPET COPING FLASHING.
- 21. LINE AT TOP OF ROOF BEYOND SHOWN DASHED.
- 22. EXISTING EXTERIOR LIGHTING FIXTURES TO REMAIN, TYPICAL FOR ALL LOCATIONS WHETHER SHOWN / NOTED OR NOT SHOWN / NOTED.
- 23. EXISTING SURVEILLANCE CAMERA TO BE REMOVED AND RELOCATED, TYPICAL FOR ALL LOCATIONS WHETHER SHOWN / NOTED OR NOT SHOWN / NOTED.
- 24. EXISTING SURVEILLANCE CAMERA RELOCATED, TYPICAL FOR ALL LOCATIONS WHETHER SHOWN / NOTED OR NOT SHOWN / NOTED.
- 25. NEW SIGN: FURNISH "BACK LIGHTED" ANODIZED ALUMINUM CHARACTERS AND GRAPHICS, APPROXIMATE SIZE OF CHARACTERS TO BE 4-1/4 INCHES AND 11-1/2 INCHES, APPROXIMATE TOTAL SIZE OF SIGN TO BE II'-O" WIDE BY 4'-6" HIGH, FONT OF LETTERING AND GRAPHICS TO MATCH OWNER'S EXISTING REQUIREMENTS, SIGN ALLOWANCE TO BE \$4,500.00 TO INCLUDE ALL MATERIALS AND LABOR.
- 26. EXISTING CANVAS AWNING OVER ALUMINUM FRAME TO REMAIN, PROTECT AGAINST DAMAGE UNTIL FINAL ACCEPTANCE OF THE PROJECT.

GRAPHIC SCALE (1/4)

ABILITIE for the: AL DIS¹ AL a New Maintenance Building ARD OF DEVELOPMENT/ s and a Nev BOARD y Alterations a COUNTY E /enue) 43130 Office Facility A FAIRFIELD C 795 College Avenue lege Ave er, Ohio TITY ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130

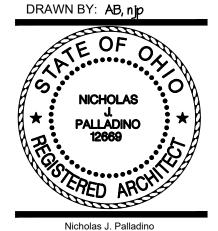
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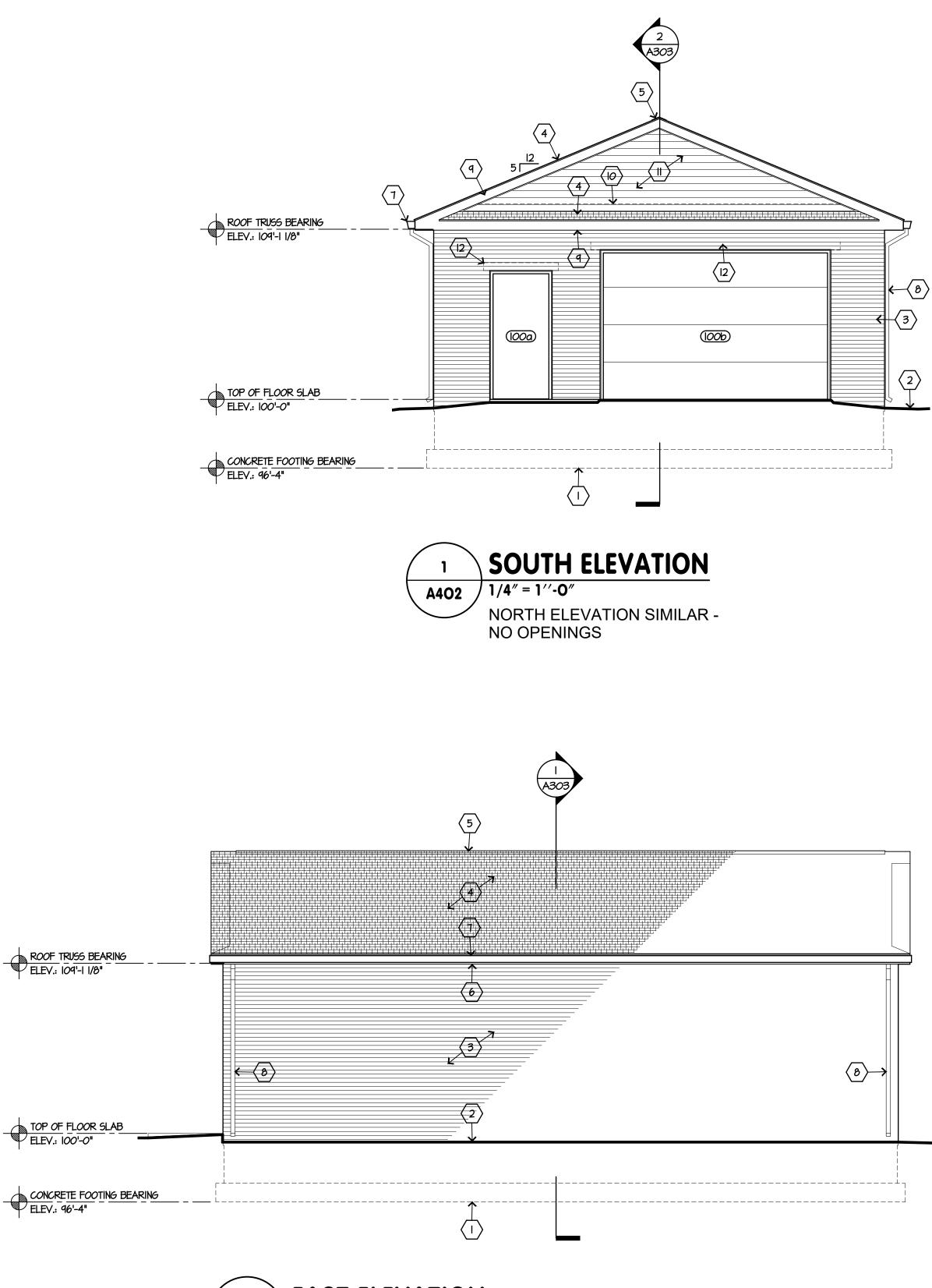
phone: (740) 654-4048

COMMISSION No. D2110

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ISSUE	MARK	DATE
PROGRESS	FINAL	01/27/2023
BIDDING		02/15/2023









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GENERAL NOTES

I. IF PRINTED SHEET IS LESS THAN 36 IN. WIDE x 24 IN. HIGH USE GRAPHIC SCALE.

CODED NOTES \bigcirc

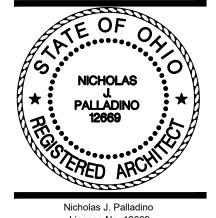
- I. LINE AT CONCRETE FOOTING SHOWN DASHED.
- 2. PROPOSED FINISHED GRADE, REFER TO CIVIL ENGINEER'S DRAWINGS.
- 3. FACE BRICK VENEER ASSEMBLY WITH FLASHING AND COUNTER-FLASHING WITH WEEPS AT 48 IN. OC.
- 4. ASPHALT ROOF SHINGLES.
- 5. CONTINUOUS ROOF SHINGLE CAP OVER ATTIC VENTILATOR SYSTEM.
- 6. CONTINUOUS PERFORATED ALUMINUM SOFFIT ASSEMBLY AND ALUMINUM FASCIA COVER.
- 7. CONTINUOUS ALUMINUM GUTTER ASSEMBLY.
- 8. ALUMINUM DOWN-SPOUT TO SPLASH BLOCK ON GRADE.
- 9. CONTINUOUS NON-PERFORATED ALUMINUM SOFFIT ASSEMBLY AND ALUMINUM FASCIA COVER.
- IO. LINE AT CONTINUOUS 26 GA. GALVANIZED STEEL FACTORY FINISHED FLASHING UNDER SIDING OVER ROOFING SHOWN DASHED.
- II. VINYL SIDING AND VINYL COMPONENTS.
- 12. BRICK OPENING HEAD FLASHING WITH END DAMS AND WEEPS AT 32 IN. OC.

Office Facility Alterations and a New Maintenance Building for the: FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 College Avenue 5 College Avenue ncaster, Ohio 43130 VPI ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009

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COMMISSION No.

P2118							
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GRAPHIC SCALE (1/4)

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ABILITY	+35/-35	+100/-50	+50/-50	+25/-25	+25/-25	+25/-25	+12.5/-12.5	+50/-50	+100/-50	+50/-50	+200/-50	+100/-50	+100/-50	+100/-50	+25/-25	+25/-25	+25/-25	+25/-25	N/A
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STANDARD ABBREVIATIONS

SURE USE T: - TRAFFIC SURE USE NT: - NON-TRAFFIC TRATE USE G: - GLASS TRATE USE M: - MORTARS

TRATE USE A: - ALUMINUM RATE USE O: - OTHER

- SEALANT, WATERPROOFING, AND RESTORATION INSTITUTE (VALIDATION)

GUIDE NOTES (*)

ANY STRUCTURAL GLAZING WORK.

GENERAL NOTES

ANTS AND SEALANT PRIMERS COMPLYING WITH THE FOLLOWING VOC CONTENT LIMITS PER 40 CFR 59, SUBPART D (EPA METHOD 24): R NONPOROUS SUBSTRATES: 250 G/L; SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L. MATERIALS (JOINT PRIMER, JOINT BACKERS, ETC.) THAT ARE COMPATIBLE WITH ONE ANOTHER, WITH JOINT SUBSTRATES, AND WITH

DEMONSTRATED BY SEALANT MANUFACTURER BY TESTING AND RELATED EXPERIENCE. OTHER SPECIFIED REQUIREMENTS FOR EACH LIQUID-APPLIED JOINT SEALANT.

RED TO BE NON-STAINING, PROVIDE SEALANTS TESTED PER ASTM CI248 AS NON-STAINING ON POROUS JOINT SUBSTRATES

D TO BE SUITABLE FOR CONTACT WITH FOOD PROVIDE SEALANTS COMPLYING WITH 21 CFR 177.2600.

LIER THAN 30 DAYS FROM THE DATE OF THE POUR/APPLICATION.

LANT REQUIREMENTS.

UCTS MANUFACTURED BY THE SIKA, INC., OR COMPARABLE PRODUCTS BY TREMCO, INC., DOW CHEMICAL COMPANY, GENERAL OVED BY OWNER.

E SAME MANUFACTURER OF EACH TYPE OF SEALANT.

PROVED AND HAVE NO LESS THAN FIVE (5) YEARS OF DOCUMENTED EXPERIENCE WITH THE APPLICATION OF JOINT SEALANTS AND

INTUMESCENT WRAP, RESTRICTING COLLARS, AND CAULK REQUIRED TO FIRE PROOF SEAL ALL OPENINGS INCLUDING

TED WALL, CEILING AND FLOOR ASSEMBLIES. FIRE STOPPING EQUAL TO TIME RATING OF CONSTRUCTION ASSEMBLY BEING PENETRATED. FURNISH ASBESTOS FREE MATERIALS AS

TMENT MPWIOO.OI PRODUCTS AND U.L. THROUGH PENETRATION FIRESTOP NO. CBJ8008 FOR MASONRY WALLS FIRE BARRIER FOAM2001 RTV MANUFACTURED BY DOW CORNING CORP. SILICONE SEALANT TO BE 3M FIRE RED BY DOW CORNING CORP. FIRE-RATED FOAM BOARD TO BE "FIBERFIRAX CARBORUNDUM CO.; EQUAL BY HILTI

C MATERIALS DEPARTMENT MPWI25.01 PRODUCTS AND U.L. PENETRATION FIRESTOP NO. WLIOIO-C FOR GYPSUM NGH RATING. SILICONE SEALANT TO BE 3M FIRE BARRIER SEALANT 2000 (NON-SLUMP) MANUFACTURED BY DOW

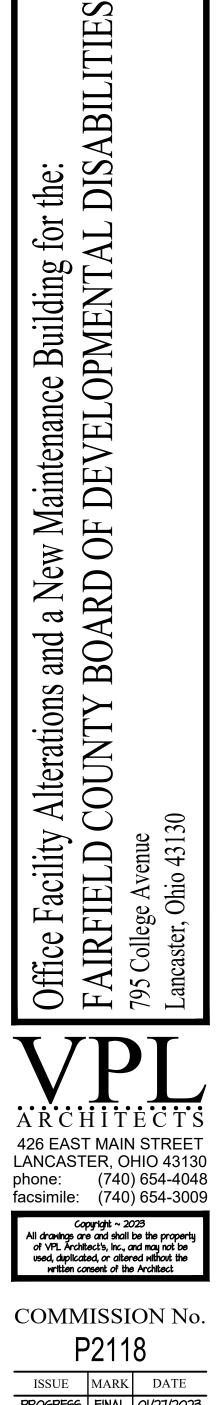
EMICALS.

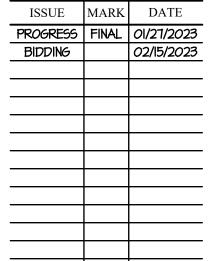
5; EQUAL BY HILTI CONSTRUCTION CHEMICALS. O GAUGE, GALVANIZED STEEL; EQUAL BY HILTI CONSTRUCTION CHEMICALS.

_ ACCORDING TO APPLICATION; EQUAL BY HILTI CONSTRUCTION CHEMICALS.

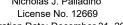
MOKE OR OTHER GASES. INSTALL MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND

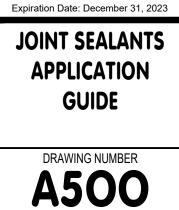
THE OWNER OR THE OWNER'S REPRESENTATIVE.











DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

NOTE

REFER TO THE FAIRFIELD COUNTY'S DIVISION OO - PROCUREMENT AND CONTRACTING REQUIREMENTS - "INSTRUCTIONS TO BIDDERS" INCLUDED FOR THIS PROJECT.

0001. PROJECT DESCRIPTION

- a. PROVIDE ALL WORK FOR THE <u>OFFICE FACILITY ALTERATIONS</u>. WORK SHALL INCLUDE, BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
- BUILDING AREA 9,063 sq. ft. GROSS.
 REPLACEMENT OF ASPHALT PAVING AND PARKING SPACES MARKINGS.
- REPLACEMENT OF ASTHALT PAYING AND PARKING SPACES MARKINGS.
 NEW MEMBRANE ROOFING ASSEMBLY OVER EXISTING "BUILT-UP" ROOFING SYSTEM.
- 4. REMOVING EXISTING FRONT ENTRY CANOPY WITH THE CONSTRUCTION OF NEW FRONT ENTRY CANOPY.
- 5. ALL STEEL MANSARD ROOF ELEMENT.
- 6. SELECTIVE DEMOLITION.
 7. INTERIOR FRAMING.
- INTERIOR FRAMING.
 INTERIOR FINISHES, INCLUDING BALLISTIC REQUIREMENTS.
- DOORS AND FRAMES, NEW DOOR HARDWARE, AND RECEPTIONIST WINDOW.
- IO. HVAC WORK.
- II. ELECTRICAL WORK.
 b. PROVIDE ALL WORK FOR THE <u>NEW MAINTENANCE BUILDING</u>. WORK SHALL INCLUDE, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
- REMOVING THE EXISTING WOOD FRAMED SHED STRUCTURE.
 EXCAVATIONS FOR FOOTINGS AND FOUNDATION WALLS.
- 2. EACAVATIONS FOR FOOTINGS AND FOUNDATION MALLS.
 3. CONCRETE SLAB-ON-GRADE FLOOR.
- 4. WOOD FRAMED WALLS AND ROOF.
- 5. EXTERIOR FINISHES OF FACE BRICK VENEER, VINYL SIDING AND ASPHALT ROOF SHINGLES.
- INTERIOR FINISHES.
 DOORS, FRAMES AND DOOR HARDWARE.
- 8. HVAC WORK.
- 9. ELECTRICAL WORK.

DIVISION 01 - GENERAL CONDITIONS

0100. WORK COMPLIANCE

- ALL WORK SHALL FULLY COMPLY WITH THE STANDARDS REQUIRED BY THE 201⁻ OHIO BUILDING CODE (OBC), AS WRITTEN HEREIN:
 I. OFFICE FACILITY BUILDING: GROUP "B", HAVING TYPE "II-B" CONSTRUCTION T
- OFFICE FACILITY BUILDING: GROUP "B", HAVING TYPE "II-B" CONSTRUCTION I
 MAINTENANCE BUILDING: USE GROUP "S-I", HAVING "V-B" CONSTRUCTION TYFE
 INSTALLATION OF ALL MATERIAL IS TO BE IN STRICT ACCORDANCE WITH MANUF
- PRINTED INSTRUCTIONS, DETAILS AND SPECIFICATIONS. c. MATERIALS SHALL BE NEW AND SHALL BE ADEQUATE IN CAPACITY FOR THE RE SHALL NOT CREATE UNSAFE CONDITIONS AND SHALL NOT VIOLATE REQUIREMEN APPLICABLE CODES AND STANDARDS.
- OIOI. CONSTRUCTION OBSERVATION
 - a. THE ARCHITECT AND THEIR CONSULTANTS WILL PROVIDE CONSTRUCTION OBSER PROJECT AND WILL REPRESENT THE OWNER. THE ARCHITECT AND HIS CONSULT, BE HELD RESPONSIBLE, HOWEVER, FOR THE ACTS OR OMISSIONS OR VARIATION DRAWINGS AND THESE GENERAL NOTES BY THE OWNER, CONTRACTOR, ANY SUB THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSON PERFORMING OR SUPER THE WORK.
 - b. THE ARCHITECT WILL DECIDE ALL QUESTIONS THAT MAY ARISE AS TO THE QUAL ACCEPTABILITY OF MATERIALS FURNISHED AND THE WORK PERFORMED. THE A DECIDE ALL QUESTIONS REGARDING THE INTERPRETATION OF THE DRAWINGS AI NOTES.

0102. AUTHORITY HAVING JURISDICTION (AHJ) FEES AND REGISTRATION

- a. THE OWNER WILL OBTAIN AND PAY FEES FOR THE CERTIFICATE OF PLAN APPROPERMITS) FROM THE AHJ. UNLESS OTHERWISE NOTED, OTHER FEDERAL, STATE, OLOCAL PERMITS REQUIRED FOR THE WORK SHALL BE OBTAINED BY AND PAID I CONTRACTOR.
- b. THE CONTRACTOR AND EACH SUBCONTRACTOR IS REQUIRED TO REGISTER WITH CONTRACTOR AND EACH SUBCONTRACTOR SHALL PAY ALL APPROPRIATE REG BEFORE THE START OF WORK.
- 0103. VERIFICATION
- a. BEFORE BEGINNING THE WORK AND AS WORK PROGRESSES, FIELD DETERMINE A DIMENSIONS AND ELEVATIONS AND VERIFY ALL LOCATIONS OF PLUMBING, HVAC AND FIRE PROTECTION WORK AND UNDERGROUND UTILITIES.
 b. DO NOT SCALE ANY DRAWINGS.
- 0104. REFERENCES
- a. THE CURRENT EDITIONS OF THE FOLLOWING CODES AND STANDARDS, WHETHER SPECIFICALLY REFERENCED, ARE APPLICABLE TO THE WORK AND TO EACH GE SECTION:
- I. OHIO BUILDING CODE
- 2. OHIO MECHANICAL CODE
- OHIO PLUMBING CODE
 OHIO FUEL GAS CODE
- 5. AMERICAN SOCIETY OF SAFETY ENGINEERS AIO SERIES
- 6. NATIONAL FIRE PROTECTION ASSOCIATION 241, STANDARD FOR SAFEGUAR CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS
- NATIONAL FIRE PROTECTION ASSOCIATION 70, NATIONAL ELECTRIC CODE
 OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION 29 CFR 1910.12, CONST
 OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION 29 CFR 1926, CONST
- STANDARDS 10. ICC/ANSI AII7.I, STANDARDS FOR ACCESSIBLE AND USABLE BUILDINGS AND b. REFERENCES TO CODES, STANDARDS, MANUALS, ETC. IN THESE GENERAL NOTES
- CURRENT EDITION IN EFFECT. c. ALL WORK AND MATERIALS SHALL MEET OR EXCEED ALL APPLICABLE REFERE REFERENCED) STANDARDS, FEDERAL, STATE, COUNTY AND LOCAL REQUIREMENT TO CODES AND ORDINANCES OF AUTHORITY HAVING JURISDICTION.
- 0105. PRE-CONSTRUCTION SUBMITTALS
 - a. PRIOR TO OWNER'S ISSUANCE OF THE NOTICE OF COMMENCEMENT AND AFTER T CONTRACT, THE CONTRACTOR, WITHIN FOURTEEN (14) DAYS, IS TO SUBMIT THE FO
 - DOCUMENTS TO THE ARCHITECT FOR APPROVAL: I. PROJECT SCHEDULE. THE PROJECT SCHEDULE SHALL ILLUSTRATE, IN DETAIL FORM, THE CONTRACTOR'S PLANNED SCHEDULE FOR ALL FACETS OF THE PR INCLUDING, BUT NOT LIMITED TO, DELIVERIES OF MATERIALS, SHOP DRAWING CONSTRUCTION PROGRESS MEETINGS, START AND FINISH DATES OF WORK TO (BROKEN OUT BY TRADE, ROUGH-IN, FINISH, ETC.), DATE OF SUBSTANTIAL COM-DIVISION OF
 - PUNCH LIST.
 SCHEDULE OF VALUES. CONTRACTOR SHALL USE AIA FORM 6703 AND SHA COMPONENTS OF THE PROJECT UTILIZING STANDARD CSI DIVISIONS AND SU
 SCHEDULE OF SUBMITTALS.
 - a) INFORMATION ON THE SCHEDULE OF SUBMITTALS IS TO INCLUDE THE SE REFERENCE, A BRIEF DESCRIPTION OF WHAT IS BEING SUBMITTED (PROI DRAWINGS, TESTING DATA, SAMPLES, ETC.), ORDER LEAD TIME AND THE
 - OF SUBMISSION TO THE ARCHITECT.
 b) THE CONTRACTOR SHALL PROVIDE THE SCHEDULE OF SUBMITTALS TO " ELECTRONIC PDF COPY AND HARD COPY. UPDATES TO THIS SCHEDULE
 - MADE, WITH ALL REVISIONS CLEARLY IDENTIFIED, AND SENT TO THE AR DAYS PRIOR TO EACH PROGRESS MEETING.
- 0106. NOTICE OF COMMENCEMENT

a. NOTICE OF COMMENCEMENT, ALSO KNOWN AS "NOTICE OF PROJECT COMMENCE "AFFIDAVIT OF COMMENCEMENT", IS THE OFFICIAL DOCUMENT THAT DECLARES START DATE OF A CONSTRUCTION PROJECT.

- b. THE OWNER SHALL OBTAIN, COMPLETE, AND RECORD (FILE) THE NOTICE OF COM COUNTY WHERE THE PROJECT IS LOCATED IN ACCORDANCE WITH THE ORC 1311.0
- c. A COPY OF THE NOTICE OF COMMENCEMENT MUST BE POSTED BY THE GENERAL AT THE PROJECT SITE.
 d AFTER THE OWNER HAS RECORDED AND ISSUED THE NOTICE OF COMMENCEMENT
- d. AFTER THE OWNER HAS RECORDED AND ISSUED THE NOTICE OF COMMENCEMEN CONTRACTOR IS TO:
 I. PROCEED IMMEDIATELY WITH THE WORK.
- DISTRIBUTE TO THE OWNER AND THE ARCHITECT, THE FINAL VERSION OF THE SCHEDULE IN HARD COPY AND EMAIL IN PDF FORMAT.
- 3. COORDINATE, WITH THE OWNER AND THE ARCHITECT, THE SCHEDULE FOR ON-PROGRESS MEETINGS AT TWO WEEK INTERVALS.
- 4. SUBMIT, TO THE OWNER, COPIES OF THEIR WORKER'S COMPENSATION AND LI INSURANCE CERTIFICATES.

0107. PROJECT TIMELINE

a. THE DURATION OF THE PROJECT IS ESTIMATED TO BE 180 CONSECUTIVE CALENT THE ISSUANCE OF THE NOTICE OF COMMENCEMENT.

0108. ESTIMATE OF PROBABLE CONSTRUCTION COSTS a. THE ESTIMATED PROBABLE CONSTRUCTION COSTS OF THE PROJECT IS \$1,207,79

0109. SCHEDULE OF VALUES

- a. NO LATER THAN FIVE (5) WORKING DAYS FROM THE NOTICE OF PROJECT COMMI CONTRACTOR IS TO PROVIDE TO THE ARCHITECT A THOROUGH SCHEDULE OF VA DD (14) AND ADDROVAL
- REVIEW AND APPROVAL. b. SCHEDULE OF VALUES TO BE COMPRISED OF A CSI FORMATTED LIST OF CONS SERVICES, WITH SUBSTANTIAL BREAKDOWN OF PRODUCTS WITHIN EACH DIVISION SEPARATE AMOUNTS FOR LABOR AND MATERIAL FOR EACH BREAKDOWN.

OIIO. REQUEST FOR PAYMENT

- a. UTILIZE AIA G702 FORM. THE CONTRACTOR SHALL SUBMIT THREE COPIES TO T LATER THAN THE FIFTEENTH OF EACH MONTH. THE PAY APPLICATION SHALL: I. LIST ALL APPROVED CHANGE ORDERS.
- INCLUDE CONTRACTOR'S AND THEIR SUBCONTRACTOR'S PARTIAL, CONDITION PAYMENT, WAIVERS OF LIEN IN THE FORMAT OUTLINED IN STATE OF OHIO RE
 AN UPDATED SCHEDULE OF VALUES THAT SUBSTANTIATES THE CONTRACTOR PAYMENT.
- a) PAYMENT FOR MATERIALS STORED OFF SITE WILL ONLY BE APPROVED
- CONTRACTOR PROVIDES INSURANCE CERTIFICATE FOR THE OFF-SITE S
- PROPERTY AND ALSO PROVIDES PHOTOGRAPHS OF THE STORED MATE b. THE OWNER SHALL MAKE PAYMENT TO THE CONTRACTOR WITHIN THIRTY DAYS O RECEIPT OF THE PAY APPLICATION. HOWEVER, THE OWNER RESERVES THE RIGH PAY, IN WHOLE OR IN PART, TO SUCH EXTENT AS MAY BE NECESSARY TO PROTE
- FROM LOSS BECAUSE OF: I. DEFECTIVE WORK NOT REMEDIED.
- 2. DAMAGE CAUSED BY THE CONTRACTOR.
- 3. DELAYS CAUSED BY THE CONTRACTOR, SUBCONTRACTORS AND/OR MATER c. RETAINAGE: REFER TO THE "SHORT FORM OWNER-CONTRACTOR AGREEMENT FO
- LIMITED SCOPE". d. RETAINAGE WILL BE RELEASED UPON FINAL ACCEPTANCE OF THE BUILDING BY
- THE ARCHITECT AND THE OWNER'S RECEIPT OF TRAINING AND CLOSE-OUT DOCU

		CONTRACTOR'S PROJECT MANAGEMENT SOFTWARE PROGRAM		ONTRACTOR OBTAINED SERVICES	0124	. THE GENERAL NOTES USE CERTAIN CONVENTIONS FOR THE STYLE OF LANGUAGE AND THE INTENDED
2017 Edition of the		2. IF THE CONTRACTOR UTILIZES A PROJECT MANAGEMENT SOFTWARE PROGRAM FOR ORGANIZATION OF AND TRANSMISSION OF REQUEST'S FOR INFORMATION (RFI), SHOP DRAWING		THE CONTRACTOR OBTAINED SERVICES THE CONTRACTOR SHALL OBTAIN AND PAY FOR THE FOLLOWING SERVICES REQUIRED FOR THE PROJECT.	0124.	MEANING OF CERTAIN TERMS, WORDS AND PHRASES WHEN USED IN PARTICULAR SITUATIONS, AND MAY VARY IN FORM, FORMAT AND STYLE. WORDS AND MEANINGS OF ABBREVIATED LANGUAGE SHALL BE
ON TYPE. I TYPE.		SUBMITTALS, PAY REQUESTS, ETC. TO THE ARCHITECT, THE CONTRACTOR, AT NO ADDITIONAL COST TO THE CONTRACT, AND PRIOR TO THE ONSET OF CONSTRUCTION, SHALL:		I. SITE SURVEY WORK: a) FIELD DETERMINING AND VERIFYING THE EXACT LOCATIONS OF THE BUILDING(S);		INTERPRETED AS APPROPRIATE. WORDS IMPLIED, BUT NOT STATED, SHALL BE INFERRED AS THE SENSE REQUIRES. SINGULAR WORDS SHALL BE INTERPRETED AS PLURAL AND PLURAL WORDS SHALL
ANUFACTURER'S		 PAY FOR AND UPLOAD ANY REQUIRED SOFTWARE TO THE ARCHITECT'S COMPUTER NETWORK. PROVIDE THE ARCHITECT, AT THE ARCHITECT'S OFFICE, A MINIMUM OF FOUR (4) HOURS OF IN 		 CANOPY, PARKING AREAS, AND DRIVEWAYS. b) FIELD DETERMINING AND VERIFYING THE EXACT LOCATION AND DEPTH OF ALL NEW AND 		BE INTERPRETED AS SINGULAR WHERE APPLICABLE AS THE CONTEXT OF THE CONTRACT DOCUMENTS INDICATES. SOME GENERAL NOTE SECTIONS ARE WRITTEN IN VARYING DEGREES OF STREAMLINED
e required use, Ements <i>o</i> f		DEPTH TRAINING ON HOW TO UTILIZE THE CONTRACTOR'S SOFTWARE PROGRAM. 3. PROVIDE THE ARCHITECT WITH ONGOING TRAINING FOR THE CONTRACTOR'S SOFTWARE		EXISTING GAS, WATER, SANITARY, STORM WATER SYSTEMS AND ELECTRICAL UTILITIES. c) FIELD DETERMINING AND VERIFYING NEW AND/ OR EXISTING FINISHED FLOOR		OR DECLARATIVE STYLE AND IMPERATIVE MOOD, AND SOME GENERAL NOTE SECTIONS MAY BE RELATIVELY NARRATIVE BY COMPARISON. REQUIREMENTS EXPRESSED IN THE IMPERATIVE MOOD
		PROGRAM OVER THE PHONE AS NEEDED THROUGHOUT THE PROJECT.		elevations. d) FIELD DETERMINING AND VERIFYING NEW AND/OR EXISTING GRADE ELEVATIONS.		ARE TO BE PERFORMED BY THE CONTRACTOR. OCCASIONALLY, THE INDICATIVE OR SUBJUNCTIVE MOOD MAY BE USED IN THE GENERAL NOTE SECTION TEXT FOR CLARITY TO DESCRIBE
SERVATION ON THIS		CHANGE ORDERS a. REFER TO THE "SHORT FORM OWNER-CONTRACTOR AGREEMENT FOR PROJECTS OF LIMITED	b	THE CONTRACTOR SHALL OBTAIN AND PAY FOR THE INFRARED ROOF SURVEY TO LOCATE ANY MOISTURE THAT MAY BE PRESENT IN THE EXISTING ROOF ASSEMBLY.		RESPONSIBILITIES THAT MUST BE FULFILLED INDIRECTLY BY THE CONTRACTOR OR BY OTHERS WHEN SO NOTED. THE WORDS "SHALL", "SHALL BE" OR "SHALL COMPLY WITH", DEPENDING ON THE CONTEXT,
SULTANTS SHALL NOT		SCOPE" FOR CHANGE ORDER PROCEDURES.		 PERFORM INFRARED ROOF SURVEY PRIOR TO BEGINNING ANY ROOFING WORK. PROVIDE A REPORT OF FINDINGS TO THE OWNER. 		ARE IMPLIED WHERE A COLON IS USED WITHIN A SENTENCE OR PHRASE. OMISSIONS OF SUCH WORDS AND PHRASES SUCH AS "THE CONTRACTOR SHALL", "IN CONFORMITY WITH", "AS SHOWN" OR "AS
SUBCONTRACTOR OR IPERVISING ANY OF		5CHEDULE OF SUBMITTALS a. WITHIN TEN DAYS OF NOTICE OF COMMENCEMENT, THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A SCHEDULE OF SUBMITTALS FOR THE ENTIRE PROJECT.		ANY OTHER PROFESSIONAL ENGINEERING SERVICES SPECIFIED OR NOT SPECIFIED OR REQUIRED TO COMPLETE THE WORK.		SPECIFIED" ARE INTENTIONAL IN STREAMLINED SECTIONS. OMITTED WORDS AND PHRASES SHALL BE SUPPLIED BY INFERENCE. SIMILAR TYPES OF PROVISIONS MAY APPEAR IN VARIOUS PARTS OF A
QUALITY <i>O</i> R HE ARCHITECT WILL	b	7. FOR EACH SUBMITTAL, THIS SCHEDULE SHALL INCLUDE THE INTENDED DATE OF SUBMISSION TO THE ARCHITECT, THE SECTION REFERENCE, THE ANTICIPATED ORDERING LEAD TIME FOR THE		ENGINEERING / DESIGN FEES FOR WORK BY THE ELECTRICAL AND NATURAL GAS UTILITY PROVIDERS.		GENERAL NOTE SECTION OR ARTICLE WITHIN A PART DEPENDING ON THE FORMAT OF THE SECTION. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY VARIATION OF FORM, FORMAT OR STYLE IN MAKING CLAIMS FOR EXTRA WORK. THE CROSS REFERENCING OF GENERAL NOTE SECTIONS UNDER
S AND GENERAL		ITEM, A BRIEF DESCRIPTION OF WHAT WILL BE SUBMITTED (PRODUCT DATA, SHOP DRAWINGS, TESTING DATA, SAMPLES, ETC).		- ALL TESTING AS REQUIRED IN THESE DOCUMENTS TO COMPLETE THE WORK. ORK AND MATERIALS, GENERAL		THE SUBPARAGRAPH HEADING "RELATED SECTIONS AND DOCUMENTS" AND ELSEWHERE WITHIN EACH GENERAL NOTE SECTION IS PROVIDED AS AN AID AND CONVENIENCE TO THE CONTRACTOR. THE
	c	C. THE CONTRACTOR SHALL UPDATE THIS LIST EVERY 2 WEEKS AND DISCUSS ALL UPDATES AT EACH PROGRESS MEETING.		ALL WORK AND MATERIALS SHALL MEET OR EXCEED ALL APPLICABLE REFERENCED AND NOT REFERENCED STANDARDS, FEDERAL, STATE, COUNTY AND LOCAL REQUIREMENTS AND CONFORM		CONTRACTOR SHALL NOT RELY ON THE CROSS REFERENCING PROVIDED AND SHALL BE RESPONSIBLE TO COORDINATE THE ENTIRE WORK UNDER THE CONTRACT DOCUMENTS AND PROVIDE A
PPROVAL (BUILDING ATE, COUNTY AND		SHOP DRAWING SUBMITTALS	b	TO CODES AND ORDINANCES OF AHJ. MATERIALS SHALL BE NEW AND SHALL BE ADEQUATE IN CAPACITY FOR THE REQUIRED USE,		COMPLETE PROJECT WHETHER OR NOT THE CROSS REFERENCING IS PROVIDED IN EACH SECTION OR WHETHER OR NOT THE CROSS REFERENCING IS COMPLETE.
AID FOR BY THE	a	a. FOR EACH DIVISION SECTION SUBMITTAL AND RE-SUBMITTAL, A MINIMUM TEN CALENDAR DAYS (NOT INCLUDING DELIVERY TIME) IS TO BE ALLOWED FOR REVIEW BY THE ARCHITECT. A MINIMUM		SHALL NOT CREATE UNSAFE CONDITIONS AND SHALL NOT VIOLATE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS.	0125.	ORGANIZATION OF THE GENERAL NOTES
WITH THE AHJ. THE REGISTRATION FEES	le le	FIFTEEN (15) CALENDAR DAYS (NOT INCLUDING DELIVERY TIME) IS TO BE ALLOWED FOR REVIEW OF STRUCTURAL STEEL.		INSTALLATION OF ALL MATERIAL IS TO BE IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS, DETAILS AND SPECIFICATIONS.		a. THE ORGANIZATION OF THE GENERAL NOTES INTO DIVISIONS, SECTIONS, PARTS AND PARAGRAPHS, AND THE ARRANGEMENT OF THE DRAWINGS SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR IN ESTABLISHING THE
		 ACCEPTANCE OF ELECTRONIC SUBMISSION OF SUBMITTALS WILL BE DETERMINED BY THE ARCHITECT. EACH SUBMITTAL IS TO CONTAIN ANY AND ALL INFORMATION NECESSARY FOR THE ARCHITECT 	C	ALL WORK IS TO BE INSTALLED STRAIGHT, PLUMB, LEVEL AND IN TRUE ALIGNMENT, SHIMMING AS REQUIRED. ALL SHIMS ARE TO BE CONCEALED. ALL WORK SHALL BE NEATLY AND ACCURATELY FITTED, SCRIBED AND THOROUGHLY SECURED. MITERS AND OTHER JOINTS SHALL		EXTENT OF WORK TO BE PERFORMED BY ANY TRADE. b. DURING THE BIDDING PERIOD, THE CONTRACTOR SHALL STUDY AND COMPARE THE CONTRACT
INE AND VERIFY ALL IVAC, ELECTRICAL	Ū	AND ENGINEER TO REVIEW FOR GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS. I. PRODUCT DATA, DETAILS, TESTING DATA, INSTALLATION INSTRUCTIONS, SHOP DRAWINGS,		BE PLANED AND SANDED. ALL WORK SHALL BE LEFT CLEAN AND FREE FROM WARP, TWIST, OPEN JOINTS AND OTHER DEFECTS.		DOCUMENTS AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY ERROR, INCONSISTENCY OR OMISSION THAT IS DISCOVERED.
		MAINTENANCE INSTRUCTIONS, TEMPLATES, CARE INSTRUCTIONS, SAMPLES, ETC. 2. SEPARATE ITEMS OF AN ASSEMBLY WILL BE REVIEWED ONLY IF ALL ITEMS OF THE	e	EQUIPMENT FRAMING, LOADS, OPENINGS AND STRUCTURES IN ANY WAY RELATED TO HVAC, PLUMBING OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. THE		 THE CONTRACTOR SHALL BE LIABLE TO THE OWNER RESULTING FROM ANY SUCH UNREPORTED ERRORS, INCONSISTENCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS.
HER OR NOT		ASSEMBLY ARE INCLUDED IN THE SUBMITTAL. INCOMPLETE SUBMITTALS WILL BE SUMMARILY REJECTED.		CONTRACTOR SHALL OBTAIN APPROVAL OF THE INVOLVED TRADE(S) BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK, ANY EXCESS COSTS RELATED TO VARIATION IN THESE	0126	. INTENT OF THE DRAWINGS AND GENERAL NOTES a. THE INTENT OF THE DRAWINGS AND GENERAL NOTES IS TO DESCRIBE THE DETAILS FOR THE
GENERAL NOTES		3. INFORMATION (10 ITEM, MODEL NUMBER, FINISH, ETC.) SHALL BE CLEARLY MARKED BY ARROW, UNDERLINE, CIRCLE, ETC. USE OF COLORED HIGH-LIGHTERS TO MARK INFORMATION	f	REQUIREMENTS SHALL BE BORNE BY THE CONTRACTOR AND/OR APPROPRIATE SUBCONTRACTOR. PROVIDE EXPANSION CONTROL SYSTEMS AS REQUIRED BY THE MANUFACTURER OF THE PRODUCT		CONSTRUCTION AND COMPLETION OF THE WORK THAT IS UNDERTAKEN IN ACCORDANCE WITH THE TERMS OF THE CONTRACT DOCUMENTS. WHERE THE DRAWINGS AND GENERAL NOTES DESCRIBE
		WILL NOT BE ACCEPTED. 4. INCOMPLETE SUBMITTALS OR SUBMITTALS NOT ANNOTATED AS REVIEWED AND APPROVED BY THE CONTRACTOR WILL NOT BE ACCEPTED OR REVIEWED.		BEING INSTALLED WHETHER OR NOT INDICATED ON THE DRAWINGS. COORDINATE ALL LOCATIONS WITH THE ARCHITECT.		PORTIONS OF THE WORK IN GENERAL TERMS, BUT NOT COMPLETE IN DETAIL, IT IS UNDERSTOOD THAT ONLY COMMONLY ACCEPTED INDUSTRY PRACTICE IS TO PREVAIL.
	d	BY THE CONTRACTOR WILL NOT BE ACCEPTED OR REVIEWED. A. EACH SUBMITTAL IS TO HAVE A COVER SHEET THAT IS CLEARLY LABELED WITH THE CONTRACTOR'S NAME, ADDRESS AND TELEPHONE NUMBER, THE NAME AND ADDRESS OF THE	ġ	I. PROVIDE SUBMITTAL IN ACCORDANCE WITH SECTION OIL4 OF THESE GENERAL NOTES. PROVIDE AND MAINTAIN DURABLE PROTECTION OF ALL FINISH WORK FOR THE DURATION OF THE PROJECT AND INTEL FINIAL ACCEPTANCE BY THE OWNER DEMONSE WHEN NO LONGER REGUIRED.	0127.	FURNISHED AND MAINTAINED DOCUMENTS, INFORMATION, ETC. AT THE PROJECT SITE
UARDING		CONTRACTOR'S NAME, ADDRESS AND TELEPHONE NUMBER, THE NAME AND ADDRESS OF THE PROJECT, THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE INSTALLING CONTRACTOR OR MATERIAL SUPPLIER, REFERENCE TO THE SPECIFICATION SECTION WITH DESCRIPTION AND THE	0120 (PROJECT AND UNTIL FINAL ACCEPTANCE BY THE OWNER. REMOVE WHEN NO LONGER REQUIRED.		a. THE FOLLOWING SHALL BE FURNISHED AND MAINTAINED AT THE PROJECT SITE FOR THE DURATION OF THE WORK AND UNTIL FINAL ACCEPTANCE:
DE		CONTRACTOR'S SUBMITTAL STAMP ACKNOWLEDGING REVIEW AND APPROVAL. PROVIDE AMPLE SPACE ON THE COVER SHEET FOR ARCHITECT AND ENGINEER REVIEW STAMPS.		THE CUTTING, BORING, ETC. OF ANY, NEW OR EXISTING, STRUCTURAL MEMBERS WILL BE PROHIBITED WITHOUT THE WRITTEN AUTHORIZATION BY THE ARCHITECT AND STRUCTURAL		 COPY OF THE LATEST EDITIONS OF THE OHIO BUILDING CODE, NATIONAL ELECTRIC CODE, OHIO MECHANICAL CODE AND THE OHIO PLUMBING CODE. REFERENCE MANUALS AND MATERIALS INDICATED THROUGHOUT THE DRAWINGS AND
CONSTRUCTION WORK		I. THE CONTRACTOR'S APPROVAL SHALL INDICATE REVIEW AND APPROVAL OF THE CORRECTNESS AND COMPLETENESS OF SHOP DRAWINGS, SAMPLES, PRODUCT DATA AND	Ł	ENGINEER. EACH TRADE SHALL FURNISH THE CONTRACTOR WITH, AND BE RESPONSIBLE FOR, EXACT		 2. REFERENCE MANUALS AND MATERIALS INDICATED THROUGHOUT THE DRAWINGS AND THE GENERAL NOTES. 3. THE CONTRACTOR'S SAFETY MANUAL, HAZARDOUS MATERIALS PLAN, CURRENT MSDS OF ALL
AND FACILITIES DTES SHALL MEAN THE		TEST DATA FOR FIT, FIELD CONNECTIONS, ELEVATIONS, DIMENSIONING (INCLUDING FIELD MEASUREMENTS), ACCURACY OF QUANTITIES, VERIFICATION OF CATALOG/PRODUCT/ITEM	c	LOCATION AND SIZE OF ALL PENETRATIONS, HOLES AND OPENINGS REQUIRED FOR THEIR WORK. UNLESS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS, THE COST OF FORMING HOLES		MATERIAL BEING INSTALLED. 4. THE CONTRACTOR'S DISASTER PREPAREDNESS PLAN.
ERENCED (AND NOT		NUMBERS, COORDINATION AND PERFORMANCE OF THE WORK BETWEEN EACH TRADE AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.		AND OPENINGS SHALL BE BORNE BY THE SUBCONTRACTOR REQUIRING THE HOLE(S) AND/OR OPENING(S).		 OSHA STANDARDS APPLICABLE TO THIS PROJECT. BUILDING PERMIT PROMINENTLY DISPLAYED AS REQUIRED BY THE AHJ.
MENTS AND CONFORM	e	3. SUBMITTALS INVOLVING ENGINEERING DESIGN SERVICES SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER, CURRENTLY REGISTERED IN THE STATE OF OHIO, FOR THE DISCIPLINE INVOLVED.	e	 PATCHING OF WORK WILL BE BY THE GENERAL CONTRACTOR. I. PROVIDE SAME PRODUCTS OR TYPES OF CONSTRUCTION AS THAT IN EXISTING STRUCTURE, AS 	,	 THE APPROVED CONSTRUCTION DOCUMENTS AND CERTIFICATE OF PLAN APPROVAL ISSUED BY THE AHJ.
	f.	INVOLVED. SUBMITTALS THAT REQUIRE COLOR OR PATTERN SELECTIONS BY THE ARCHITECT SHALL BE SUBMITTED HARD COPY, WITH MANUFACTURER'S ORIGINAL COLOR PALETTE BROCHURE OR		NEEDED TO PATCH, EXTEND, OR MATCH EXISTING WORK. 2. GENERALLY, CONTRACT DOCUMENTS DO NOT DEFINE PRODUCTS OR STANDARDS OF WORKMANSHIP PRESENT IN EXISTING CONSTRUCTION. THE CONTRACTOR SHALL DETERMINE		 ONE SET OF DRAWINGS MARKED IN LARGE, BOLD LETTERING "PROJECT RECORD". a) REFERENCE THIS DIVISION FOR SPECIFIC REQUIREMENTS. AS-BUILT INFORMATION IS NOT
ER THE AWARD OF HE FOLLOWING		COLOR SAMPLE KIT INCLUDED. COPIES OF COLOR PALETTES, OR ELECTRONIC SUBMISSION OF COLOR PALETTES WILL NOT BE REVIEWED. WHEN HARD COPIES ARE SUBMITTED, A MINIMUM OF		PRODUCTS BY INSPECTION AND NECESSARY TESTING AND WORKMANSHIP BY USE OF THE EXISTING AS A SAMPLE OF COMPARISON.		TO BE MARKED ON THE DOCUMENTS APPROVED BY THE BUILDING DEPARTMENT. STORE APART FROM DOCUMENTS USED FOR CONSTRUCTION.
ETAILED GRAPHIC E PROJECT,		FOUR ARE TO BE SUBMITTED; TWO OF WHICH WILL BE RETURNED TO THE CONTRACTOR AT COMPLETION OF REVIEW BY THE ARCHITECT AND ENGINEER. THE CONTRACTOR IS TO PROVIDE	e	MATCHING EXISTING WORK: EXCEPT WHERE OTHERWISE SPECIFICALLY INDICATED OR SPECIFIED AS A DEFINITE CHANGE, THE FINISH MATERIALS AND APPEARANCE OF THE NEW WORK SHALL		 COPY OF ALL REVIEWED SUBMITTALS ORGANIZED BY DIVISION IN A BINDER OR OTHER READILY ACCESSIBLE STORAGE. INSPECTION CERTIFICATIONS.
NING SUBMITTALS, K TO BE DONE	q	ADDITIONAL HARD COPIES WHEN NEEDED. A. ONE COPY OF EACH SUBMITTAL, BEARING THE ARCHITECT'S AND/OR ENGINEER'S ORIGINAL		MATCH THE EXISTING CONTIGUOUS MATERIALS AND FINISHES IN ALL RESPECTS. REPAIRS AND/OR CONTINUATIONS OF EXISTING WORK SHALL BE RELATIVELY IMPERCEPTIBLE IN THE		 INSECTION CERTIFICATIONS. II. COPY OF FIELD AND LABORATORY TEST RESULTS FOR CONCRETE, SOILS, WELDING, INJECTION GROUTING AND STEEL.
COMPLETION, AND	- h	STAMP AND SIGNATURE, SHALL BE MAINTAINED AT THE JOBSITE AT ALL TIMES. PROCEDURES AND TIME FRAMES INDICATED IN THIS SPECIFICATION SECTION WILL APPLY TO ALL		FINISHED WORK WHEN VIEWED UNDER FINISHED LIGHTING CONDITIONS FROM A DISTANCE OF FIVE FEET.		12. ANY OTHER DOCUMENTS REQUIRED BY FEDERAL, STATE, COUNTY AND LOCAL JURISDICTIONS.
9 SHALL LIST ALL D SUBDIVISIONS.	i.	SUBMITTALS DEEMED BY THE ARCHITECT TO BE REJECTED OR REVISED AND RESUBMITTED. THE CONTRACTOR IS RESPONSIBLE FOR DISSEMINATION OF ARCHITECT AND ENGINEER REVIEWED		WNER OCCUPANCY OF BUILDING THE OWNER WILL BE OCCUPYING THE BUILDING OR A PORTION OF THE BUILDING DURING THE	0128	ADDITIONAL CONTRACTOR REQUIREMENTS
E SECTION	j.	SUBMITTALS TO THEIR SUBCONTRACTORS, SUPPLIERS, ETC. I. THE CONTRACTOR'S REVIEW AND APPROVAL STAMP OR OTHER APPROVAL METHODS OF THE VARIOUS DESIGNATED APPROVAL AUTHORITIES SHALL NOT BE THE SAME AS THOSE OF THE	-	CONSTRUCTION PERIOD, AND MAY OR WILL NOT REQUIRE ACCESS TO THE WORK AREA. CONDUCT ALL WORK IN A MANNER THAT WILL MINIMIZE THE NEED FOR DISRUPTION OF OWNER'S		 a. IN ADDITION TO THE OTHER REQUIREMENTS INDICATED IN THE GENERAL NOTES, THE CONTRACTOR SHALL: I. COMPLETE THE WORK IN COMPLIANCE WITH THE CONSTRUCTION SCHEDULE INCLUDED IN THE
PRODUCT DATA, SHOP THE INTENDED DATE		ARCHITECT. HANDWRITTEN NOTES AND SIGNATURES ON THE SUBMITTAL BY THE CONTRACTOR, THEIR SUBCONTRACTORS OR THEIR SUPPLIERS ARE TO BE IN BLUE INK.	b	NORMAL OPERATIONS. DO NOT CLOSE, BLOCK, OR OTHERWISE OBSTRUCT ROOMS, BUILDING EXITS, CORRIDORS,		2. PROCEED WITH THE WORK EXPEDITIOUSLY AND CONTINUOUSLY WITHOUT CESSATION OR
TO THE ARCHITECT IN	k	REVIEW OF SUBMITTALS BY THE ARCHITECT AND ENGINEER SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE DRAWINGS,	0122 5	WALKWAYS, OR OTHER MEANS OF EGRESS DURING CONSTRUCTION OPERATIONS. EFINITIONS		SHUTDOWN UNLESS OTHERWISE SPECIFICALLY APPROVED IN WRITING BY THE OWNER. a) WORK HOURS: CONSTRUCTION ACTIVITY SHALL ONLY OCCUR BETWEEN 7:00 a.m. AND
DULE ARE TO BE E ARCHITECT TWO		ASSOCIATED CALCULATIONS OR FROM DEVIATIONS IN THE CONTRACT DOCUMENTS UNLESS THE DEVIATIONS ARE SPECIFICALLY AND CLEARLY CALLED TO THE ARCHITECT'S ATTENTION IN THE		CONTRACT DOCUMENTS I. THE AGREEMENT AND GENERAL SUPPLEMENTARY CONDITIONS TO THE AGREEMENT BETWEEN		6:00 p.m. MONDAY THROUGH SATURDAY. 3 BE RESPONSIBLE FOR COORDINATING AND SCHEDULING EVERY ASPECT OF THE WORK;
	I.	LETTER OF TRANSMITTAL AND WITHIN THE SUBMITTAL. REVIEW OF THE SUBMITTAL BY THE ARCHITECT AND ENGINEER DOES NOT INCLUDE VERIFICATION		THE OWNER AND THE CONTRACTOR. 2. DRAWINGS		 PROVIDE A MINIMUM OF 72 HOURS PRIOR NOTIFICATION OF ANY UTILITY DISRUPTION THAT WILL AFFECT THE OWNER'S NORMAL OPERATIONS;
NCEMENT" OR THE RES THE EXACT		OF DIMENSIONS OR ELEVATIONS OR QUANTITIES AND SHALL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY, INCLUDING RESPONSIBILITY FOR ACCURACY AND AGREEMENT OF DIMENSIONS, ELEVATIONS AND DETAILS.		 GENERAL NOTES ADDENDA NOT RELATED TO BIDDING REQUIREMENTS. 		 BE RESPONSIBLE FOR MAINTAINING JOB CLEANLINESS AND MATERIAL ORGANIZATION FOR THE DURATION OF THE PROJECT. PERFORM DAILY, MORE OFTEN IF NECESSARY. PICK UP AND LEGALLY DISPOSE OF ALL SCRAP, DEBRIS AND WASTE MATERIALS. ORGANIZE
COMMENCEMENT WITH	m	n. THE ARCHITECT AND ENGINEER REVIEW STAMP ACTION BLOCKS WILL HAVE THE FOLLOWING MEANINGS:		5. MODIFICATIONS IN THE FORM OF WRITTEN AMENDMENT TO THE AGREEMENT, CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE OR WRITTEN ORDER FOR MINOR CHANGE IN THE WORK		STORED MATERIAL IN SUCH A MANNER TO PREVENT DAMAGE, SOILING, ROT, AIRBORNE DURING WINDY CONDITIONS, THEFT, VANDALISM, ETC.
1311.04. FRAL CONTRACTOR		I. "REVIEWED" MEANS THAT IN THE ARCHITECT'S OPINION, THE SUBMITTAL GENERALLY APPEARS TO CONFORM TO THE RESPECTIVE REQUIREMENTS OF THE CONTRACT DOCUMENTS. IT IS	b	ISSUED BY THE OWNER ARCHITECT. WORK I. CONSTRUCTION AND SERVICES OUTLINED IN AND REQUIRED BY THE CONTRACT DOCUMENTS.		 BE RESPONSIBLE FOR ENSURING THAT ALL WORK IS PROPERLY FABRICATED AND INSTALLED, IS PROPERLY FRAMED, CLOSELY FITTED, ACCURATELY SET TO REQUIRED LINES
MENT, THE		THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ACTUAL QUANTITIES OF COMPONENTS, DIMENSIONS, FABRICATION METHODS, ASSEMBLY PROCESSES, MANUFACTURING,		 CONSTRUCTION AND SERVICES COLLINED IN AND REQUIRED BT THE CONTRACT DOCUMENTS. INCLUDES ALL COMPETENT AND QUALIFIED LABOR, MATERIALS, INSURANCES, FEES, BONDS, WARRANTIES, TAXES, PERMITS, INSPECTIONS, LICENSES, EQUIPMENT, TOOLS, STORAGE, HOISTING, 		AND LEVELS AND RIGIDLY SECURED IN PLACE. 7. WORKING WITH THE OWNER'S SECURITY REQUIREMENTS, BE RESPONSIBLE FOR SECURING THE
F THE CONSTRUCTION		INSTALLATION, APPLICATION AND ERECTION PROCESSES AS ILLUSTRATED AND DESCRIBED IN THE SUBMITTAL COMPLY WITH THE CONSTRUCTION DOCUMENTS.		COMPETENT AND QUALIFIED SUPERINTENDENCE AND ALL OTHER SERVICES, OTHER INCIDENTALS, ASSURANCES AND GUARANTEES, ASSUMPTIONS OF RISK AND RESPONSIBILITY FOR THE		WORK AREA AND PROJECT SITE FROM THE PUBLIC AND UNAUTHORIZED PERSONS DURING AND AFTER WORKING HOURS. THIS INCLUDES FURNISHING, ERECTING AND MAINTAINING ALL
R ON-SITE PROJECT		2. "REVIEWED AS CORRECTED" MEANS THAT THE SUBMITTAL GENERALLY APPEARS TO CONFORM TO THE RESPECTIVE REQUIREMENTS OF THE CONTRACT DOCUMENTS UPON		COMPLETE PROJECT AND AND PERFORMANCE OF THE WORK AS SET FORTH IN THE CONTRACT DOCUMENTS.		SECURITY LIGHTING, SIGNAGE, FENCES, BARRICADES OR ANY OTHER SAFETY OR SECURITY DEVICES NECESSARY TO PREVENT UNAUTHORIZED ACCESS TO THE PROJECT SITE.
id liability		INCORPORATION OF THE REVIEWER'S CORRECTIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ACTUAL QUANTITIES OF COMPONENTS, DIMENSIONS, FABRICATION METHODS, ASSEMBLY PROCESSES, MANUFACTURING, INSTALLATION,	C	CONTRACTOR - ADDITIONALLY REFERENCED AS GENERAL CONTRACTOR I. THE PERSON, ENTITY OR AUTHORIZED REPRESENTATIVE, SINGULAR OR PLURAL, IDENTIFIED IN CONTRACT DOCUMENTS AS REPAY FOR THE DEPENDENT OF THE		 BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL FEDERAL, STATE, COUNTY, LOCAL AND THE OWNER'S SAFETY REQUIREMENTS AND STANDARDS. INCLUDES INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY REQUIREMENTS, PRECAUTIONS, RECORDS AND
		APPLICATION AND ERECTION PROCEED AS CORRECTED, ILLUSTRATED AND DESCRIBED IN THE SUBMITTAL COMPLY WITH THE CONSTRUCTION DOCUMENTS.		CONTRACT DOCUMENTS AS BEING SOLELY RESPONSIBLE FOR THE PERFORMANCE OF THE WORK SHOWN AND SPECIFIED ON THIS PROJECT. 2. SHALL SUPERVISE AND DIRECT THE WORK ON THE PROJECT.		PROGRAMS IN CONNECTION WITH THE WORK. a) USE OF LOUD RADIOS, CD PLAYERS, ETC SHALL BE PROHIBITED ON SITE.
<u>LENDAR DAYS</u> FROM		3. "REVISE AND RESUBMIT" MEANS THAT WITHIN THE SUBMITTAL THERE IS INFORMATION THAT REQUIRES CORRECTION BY THE SUBMITTER, RESUBMITTAL AND REVIEW PRIOR TO		 2. SHALL SUPERVISE AND DIRECT THE WORK ON THE PROJECT. 3. SHALL BE SOLELY RESPONSIBLE FOR, AND HAVE CONTROL OVER, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR THE WORK ON THE PROJECT. 		 b) SMOKING IS PROHIBITED WITHIN THE BUILDING. 9. ENFORCE AND MONITOR UTILITY LOCK-OUT/TAG-OUT PROCEDURES IN COMPLIANCE WITH
		PROCEEDING WITH FABRICATION, ASSEMBLY, MANUFACTURE, INSTALLATION, APPLICATION AND ERECTION. PROCEDURES AND TIME FRAMES INDICATED IN THIS SPECIFICATION		4. SHALL BE RESPONSIBLE FOR ACTS AND OMISSIONS OF THEIR EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES AND ANY OTHER PERSONS OR ENTITIES PERFORMING		APPLICABLE CODES AND STANDARDS. IO. PROVIDE AND PROMINENTLY DISPLAY ALL APPLICABLE LABOR AND SAFETY POSTINGS IN
<u>07,792.00</u> .		SECTION WILL APPLY. 4. "REJECTED" MEANS THAT THE SUBMITTAL IS DEFICIENT TO THE DEGREE THAT THE REVIEWER CANNOT CORRECT THE SUBMITTAL WITH A REASONABLE DEGREE OF EFFORT AND THAT THE		WORK ON THIS PROJECT. 5. SHALL BE RESPONSIBLE FOR INSPECTING COMPLETED WORK FOR ACCEPTANCE TO RECEIVE		COMPLIANCE WITH FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. II. ASSUME FULL RESPONSIBILITY FOR PROTECTION OF MATERIALS AND EQUIPMENT STORED AT THE PRODUCT SITE
Ommencement, the DF VALUES FOR		CANNOT CORRECT THE SUBMITTAL WITH A REASONABLE DEGREE OF EFFORT AND THAT THE REVIEWER HAS NOT MADE A THOROUGH REVIEW OF THE SUBMITTAL. THE SUBMITTAL NEEDS TO BE CORRECTED BY THE CONTRACTOR AND RESUBMITTED. PROCEDURES AND TIME	c	SUBSEQUENT WORK. SUBCONTRACTOR	Oloa	THE PROJECT SITE.
ONSTRUCTION		FRAMES INDICATED IN THE SPECIFICATION SECTION WILL APPLY		 THE PERSON, ENTITY OR AUTHORIZED REPRESENTATIVE, SINGULAR OR PLURAL, HOLDING A DIRECT CONTRACT WITH THE CONTRACTOR TO PERFORM A PORTION OF THE WORK ON THE PROJECT. 	JIZ7.	a. THE CONTRACTOR SHALL ADMINISTER REGULARLY SCHEDULED PROGRESS MEETINGS THROUGHOUT THE PROJECT WHEN INDICATED IN THE INVITATION TO BID. REQUIRED ATTENDANCE
SION, PROVIDING		2HOTOGRAPHIC DOCUMENTATION a. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL MAINTAIN DATE AND TIME CTANFED REPORTED FOR THE MORE ARE THE MORE AN ORCANIZED SET IN THE		2. INCLUDES SUPPLIERS WHO PROVIDE MATERIAL AND EQUIPMENT TO THE CONTRACTOR, SUBCONTRACTORS AND/OR SUB-SUBCONTRACTORS.		AT THESE MEETINGS INCLUDE THE CONTRACTOR'S PROJECT MANAGER AND PROJECT SUPERINTENDENT, SUPERINTENDENTS OF ALL SUBCONTRACTORS WHOSE FORCES ARE CURRENTLY
TO THE ARCHITECT NO		STAMPED PHOTOGRAPHIC EVIDENCE OF THE WORK. PROVIDE AN ORGANIZED SET IN THE OWNER'S CLOSE-OUT DOCUMENTS. THIS INCLUDES, BUT IS NOT NECESSARILY LIMITED TO: L EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION WORK.	e	I. THE PERSON, ENTITY OR AUTHORIZED REPRESENTATIVE, SINGULAR OR PLURAL, HOLDING A		ON SITE OR ARE SCHEDULED TO BE ON SITE BEFORE THE NEXT PROGRESS MEETING, THE OWNER'S REPRESENTATIVE AND THE ARCHITECT.
		 EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION WORK; EXISTING CONDITIONS THAT HAVE BEEN UNCOVERED THAT WERE CONCEALED IN WALLS, FLOORS AND ABOVE THE CEILING; 		DIRECT OR INDIRECT CONTRACT WITH A SUBCONTRACTOR TO PERFORM A PORTION OF THE WORK ON THE PROJECT.		b. THE CONTRACTOR SHALL CHAIR THE MEETINGS, SHALL KEEP MEETING MINUTES AND SHALL EMAIL MINUTES TO ALL ATTENDEES WITHIN 48 HOURS OF THE MEETING. AT LEAST 48 HOURS PRIOR TO ALL PROGRESS MEETINGS THE CONTRACTOR SHALL EMAIL
PITIONAL UPON O REVISED CODE.		 NEW WORK PRIOR TO BEING CONCEALED IN WALLS, FLOORS AND ABOVE THE CEILING; DAMAGE TO ADJACENT EXISTING FINISHES PRIOR TO REPAIR OR REPLACEMENT; 	1	THE WORDS "PROVIDE", "FURNISH", "INSTALL", "PERFORM", "SUPPLY", OR ANY COMBINATION OR SIMILAR DIRECTIVE OR USAGE IN THE CONTRACT DOCUMENTS IS DEFINED AS FURNISHING ANY AND		c. AT LEAST 48 HOURS PRIOR TO ALL PROGRESS MEETINGS, THE CONTRACTOR SHALL EMAIL A LISTING OF ALL PROGRESS ON THE PROJECT SINCE THE PREVIOUS MEETING, ALONG WITH THE PROPOSED MEETING AGENDA TO ALL MEETING ATTENDEES FOR REVIEW.
CTOR'S RIGHT TO		5. DAMAGE TO NEW FINISHES PRIOR TO REPAIR OR REPLACEMENT.		ALL MATERIAL, COMPETENT AND QUALIFIED LABOR, PERMITS, INSURANCES, HOISTING, FEES, BONDS, EQUIPMENT, TAXES, TOOLS, LICENSES, INSPECTIONS, COMPETENT AND QUALIFIED SUPERINTENDENCE, STORAGE WARRANTIES AND ALL SERVICES INCIDENTALS ASSURANCES AND CHARANTEES		 d. TYPICAL MEETING AGENDAS SHALL INCLUDE, BUT NOT BE LIMITED TO, REVIEW OF: I. NEW WORK ACCOMPLISHED SINCE THE PREVIOUS MEETING,
OVED IF TE STORAGE		NSPECTIONS OF INSTALLED WORK 2. INSPECTIONS OF INSTALLED WORK, AS ARRANGED BY THE CONTRACTOR, SHALL BE PERFORMED THE AND WORK SHALL NOT BE COVERED INTIL APPROVED BY AN UNSPECTION		STORAGE, WARRANTIES AND ALL SERVICES, INCIDENTALS, ASSURANCES AND GUARANTEES, ASSUMPTION OF RISK AND RESPONSIBILITY FOR THE COMPLETE PRODUCT AND PERFORMANCE OF THE WORK AS SET FORTH IN THE CONTRACT DOCUMENTS AND ANY OTHER ENTITIES HAVING J		 NEW CONCERNS SINCE THE PREVIOUS MEETING, ISSUES PREVIOUSLY DISCUSSED BUT NOT YET RESOLVED,
1ATERIALS. YS OF RIGHT TO MITHIOLD		THE AHJ. WORK SHALL NOT BE COVERED UNTIL APPROVED BY AHJ INSPECTION. I. TAKING PHOTOGRAPHS OF WORK TO BE COVERED IN LIEU OF PHYSICAL INSPECTION BY THE AHJ WILL REQUIRE PRIOR AUTHORIZATION BY THE AHJ AND THE ARCHITECT.		JURISDICTION.		 PROPOSED WORK FOR THE NEXT TWO WEEKS, THE UPDATED PROJECT SCHEDULE,
RIGHT TO WITHHOLD ROTECT THE OWNER	0117. M	AND WILL REQUIRE PRIOR AUTHORIZATION BY THE AND AND THE ARCHITECT. NORK AND/OR SERVICES PROVIDED AND PAID FOR BY THE OWNER		RAWINGS AND GENERAL NOTES THE DRAWINGS AND THESE GENERAL NOTES ARE ESSENTIAL PARTS OF THE CONTRACT		6. PENDING CHANGE ORDERS AND/OR BULLETINS, 7. SUBMITTAL ISSUES AND STATUS, 9. DESURGE SOR INFORMATION (DEN)
	a	 INDEPENDENT AGENCY TESTING OF SOILS AND SOIL BEARINGS. I. SCHEDULING AND COORDINATION BY THE CONTRACTOR. 		DOCUMENTS. A REQUIREMENT INDICATED IN ONE IS BINDING AS THOUGH INDICATED IN ALL. THEY ARE INTENDED TO BE COOPERATIVE AND TO DESCRIBE AND PROVIDE FOR THE COMPLETE		8. REQUESTS FOR INFORMATION (RFI), 9. ALL OTHER BUSINESS RELATING TO THE WORK. 7. THE ARCHITECT AND CHANER WILL REVIEW CONSTRUCTION WORK BEING DONE ON THE PROJECT.
TERIAL SUPPLIERS. T FOR PROJECTS OF		 INDEPENDENT AGENCY TESTING OF CONCRETE. I. SCHEDULING AND COORDINATION BY THE CONTRACTOR. INDEPENDENT AGENCY TESTING OF STRUCTURAL STEEL WELDS AND BOLTED CONNECTIONS 	b	WORK. SHOULD ANY OF THE DETAILED INSTRUCTION SHOWN ON THE DRAWINGS CONFLICT WITH THE GENERAL NOTES, REVIEWED SUBMITTALS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL		e. THE ARCHITECT AND OWNER WILL REVIEW CONSTRUCTION WORK BEING DONE ON THE PROJECT FOLLOWING THE MEETING.
BY THE OWNER AND		 INDEPENDENT AGENCY TESTING OF STRUCTURAL STEEL WELDS AND BOLTED CONNECTIONS. I. SCHEDULING AND COORDINATION BY THE CONTRACTOR. RELOCATION OF FURNISHINGS AS REQUIRED FOR CLEAR ACCESS BY THE CONTRACTOR TO THE 	r	GENERAL NOTES, REVIEWED SUBMITTALS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN. ANY ITEM SPECIFIED AND NOT SHOWN ON THE DRAWINGS OR SHOWN ON THE DRAWINGS AND NOT		
POCUMENTATION.		 RELOCATION OF FURNISHINGS AS REQUIRED FOR CLEAR ACCESS BY THE CONTRACTOR TO THE WORK AREA. REMOVAL AND RETAINING POSSESSION OF DESIGNATED MATERIAL, EQUIPMENT AND FURNISHINGS 		SPECIFIED SHALL BE PROVIDED. COMPLY WITH REFERENCED STANDARD SPECIFICATIONS, ASSOCIATION AND TRADE STANDARDS,		
		BEFORE START OF THE WORK.	-	EXCEPT WHEN MORE RIGID REQUIREMENTS ARE SPECIFIED OR REQUIRED BY APPLICABLE CODES.		



DIVISION 01 - GENERAL CONDITIONS, CONTINUED

OI30. TEMPORARY FACILITIES AND CONTROLS

- a. PROVIDE EACH TEMPORARY FACILITY AND CONTROL AS REQUIRED FOR THE PERFORMANCE OF THE WORK AND FOR THE DURATION OF THE PROJECT. REMOVE WHEN NO LONGER NEEDED.
- b. ANY SUBCONTRACTOR REQUIRING ANY TEMPORARY ELEMENT(S) BEFORE IT CAN BE PROVIDED, OR WHOSE REQUIREMENTS WITH RESPECT TO A PARTICULAR SERVICE DIFFER FROM THE SERVICE SPECIFIED, SHALL PROVIDE SUCH SERVICE AS IT SUITS THEIR NEEDS, AT THEIR EXPENSE AND IN A
- MANNER ACCEPTABLE TO THE CONTRACTOR AND THE OWNER. c. PROVIDE AND MAINTAIN TEMPORARY ELEMENTS IN GOOD SAFE OPERATING CONDITION. AS REQUIRED, PROVIDE TRAINED PERSONNEL TO MONITOR AND PERFORM MAINTENANCE AND REPAIR
- ON TEMPORARY FACILITIES AND CONTROLS FOR THE DURATION OF THE PROJECT. d. THIS GENERAL NOTES SECTION IS NOT INTENDED TO LIMIT THE TYPES AND AMOUNTS OF
- TEMPORARY FACILITIES AND CONTROLS REQUIRED. OMISSIONS FROM THIS SECTION WILL NOT BE CONSTRUED AS AN INDICATION THAT SUCH TEMPORARY ELEMENT(S) IS/ARE NOT REQUIRED. e. SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS,
- REGULATIONS, CODES AND UTILITY PROVIDER REQUIREMENTS.
- f. OBTAIN AND PAY ALL FEES, PERMITS AND INSPECTIONS REQUIRED q. PROVIDE IN A MANNER AND AT LOCATIONS WHICH DO NOT INTERFERE WITH PERMANENT CONSTRUCTION AND OWNER'S OPERATIONS, ARE SAFE, NON-HAZARDOUS, SANITARY AND
- ADEQUATELY PROTECT THE WORK, WORKERS, OWNER'S EMPLOYEES AND THE PUBLIC. h. PROTECT AGAINST DAMAGE FOR THE DURATION OF THE PROJECT.
- . PROVIDE TEMPORARY TOILET FACILITIES IN THE QUANTITY REQUIRED TO ADEQUATELY SERVICE THE NUMBER OF WORKERS ON THE PROJECT. MAINTAIN IN CLEAN, SANITARY CONDITION. COSTS OF THESE FACILITIES SHALL BE PAID BY THE CONTRACTOR. SECURE AGAINST TIPPING DURING WINDY CONDITIONS
- TEMPORARY DUST CONTROL AT VENTILATION ELEMENTS PROVIDE, MAINTAIN AND REMOVE DURABLE, TEMPORARY PROTECTION OF EXISTING AND NEW HVAC EQUIPMENT TO PREVENT THE MIGRATION AND COLLECTION OF CONSTRUCTION DUST AND DEBRIS IN DUCTWORK, COILS, ETC.
- 2. SECURELY FASTEN FULL-SIZE TEMPORARY FILTER MEDIA OVER ALL RETURN AIR DUCTING LOCATED IN THE WORK AREA. CHANGE OR CLEAN FILTER MEDIA PERIODICALLY AS REQUIRED.
- 3. SEAL ALL SUPPLY AIR DUCTING LOCATED IN THE WORK AREA AGAINST INTRUSION OF CONSTRUCTION DEBRIS K. PROVIDE TEMPORARY VENTILATION AS REQUIRED TO MAINTAIN ADEQUATE TEMPERED AND
- VENTILATED CONDITIONS IN THE WORK AREA FOR THE DURATION OF THE PROJECT OR UNTIL PERMANENT SYSTEMS ARE PUT IN SERVICE OR RESTARTED. REFERENCE DIVISION OT OF THE GENERAL NOTES FOR SPRAY-APPLIED FIREPROOFING VENTILATION REQUIREMENTS.
- . PROVIDE TEMPORARY WASTE RECEPTACLES AND REFUSE DUMPSTER'S. ALL COSTS ASSOCIATED OI4I. PROJECT (TEMPORARY) SITE FENCING WITH DEBRIS REMOVAL AND DISPOSAL SHALL BE PAID BY THE CONTRACTOR.
- m. PROVIDE AND MAINTAIN ALL EROSION CONTROL MEASURES AS REQUIRED TO KEEP CONTAMINATED WATER FROM ENTERING STORM CONVEYANCES OR WATERWAYS.
- n. IN COMPLIANCE WITH APPLICABLE OSHA STANDARDS, PROVIDE, ERECT, USE AND MAINTAIN ADEQUATE COMMERCIAL CONSTRUCTION GRADE LADDERS, LIFTS AND SCAFFOLDS AS REQUIRED
- FOR THE WORK O. IN COMPLIANCE WITH APPLICABLE OSHA STANDARDS, PROVIDE, USE AND MAINTAIN ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED FOR THE WORK.
- p. PROVIDE, ERECT, MAINTAIN AND REMOVE ADEQUATE TEMPORARY SHORING AND BRACING AS
- REQUIRED FOR WORKER SAFETY AND PROPER EXECUTION OF THE WORK. q. COORDINATE THE LOCATION(S) OF MATERIAL AND EQUIPMENT STAGING WITH THE OWNER. ON THE EXTERIOR, MAINTAIN AREA(S) FREE OF TRASH, WEEDS AND OTHER UNSIGHTLY CONDITIONS. RETURN STAGING AREA TO ITS ORIGINAL CONDITION, OR BETTER, AT THE COMPLETION OF THE PROJECT
- r. FOR THE PROTECTION OF THE PUBLIC AND WORKERS, PROVIDE AND MAINTAIN WARNING LIGHTS, BARRICADES. SIGNAGE, CAUTION TAPE AND OTHER SIMILAR ELEMENTS IN, AROUND AND ADJACENT 0142. TEMPORARY SIGNAGE TO WORK AREAS, STAGING AREAS AND EQUIPMENT.
- 5. TO PREVENT THE UNSAFE ACCUMULATION OF EXHAUST IN THE BUILDING, ALL POWERED EQUIPMENT (SAW-CUTTING MACHINERY, WELDERS, LIFTS, ETC.), SHALL BE ELECTRICAL OR PROPANE POWERED OR BE OUTFITTED WITH AN APPROVED EXHAUST SCRUBBER. COORDINATE SPECIAL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.

OI3I. FIRE PROTECTION SERVICES AND EQUIPMENT

- PROVIDE AND MAINTAIN FIRE PROTECTION SERVICES AND EQUIPMENT AS APPROVED BY THE LOCAL FIRE PREVENTION AUTHORITY.
- b. KEEP COMBUSTIBLES AWAY FROM THE BUILDING AS FAR AS PRACTICAL AND DESIGNATE ONE RESPONSIBLE INDIVIDUAL WHOSE DUTY SHALL BE TO PATROL AND SUPERVISE FIRE PREVENTION REQUIREMENTS FOR THE DURATION OF THE PROJECT
- c. PROVIDE AND MAINTAIN PROPERLY TAGGED FIRE EXTINGUISHERS (U.L. 4A-80BC) IN THE QUANTITY AND LOCATIONS REQUIRED TO PROVIDE ADEQUATE COVERAGE FOR USE IN THE EVENT OF FIRE
- OI32. POTABLE WATER
- a. THE CONTRACTOR MAY USE POTABLE WATER OBTAINED WITHIN THE BUILDING. b. RETURN THE AREA TO ITS ORIGINAL CONDITION, OR BETTER, AT THE COMPLETION OF THE
- PRO. FCT. c. THE COST OF WATER CONSUMED WILL BE PAID BY THE OWNER.
- 0133. HEATING AND VENTILATION SYSTEMS
 - a. THE BUILDING'S EXISTING HEAT AND VENTILATION SYSTEM(S) MAY BE USED BY THE CONTRACTOR AS REQUIRED TO MAINTAIN ADEQUATE ENVIRONMENTAL CONDITIONS TO MEET SPECIFIED MINIMUM CONDITIONS FOR INSTALLATION OF MATERIALS; AND TO PROTECT EQUIPMENT, MATERIALS, AND FINISHES FROM DAMAGE DUE TO TEMPERATURE OR HUMIDITY
 - b. PROVIDE ADEQUATE FORCED VENTILATION OF ENCLOSED AREAS TO CURE INSTALLED MATERIALS, TO PREVENT EXCESSIVE HUMIDITY, AND TO PREVENT HAZARDOUS ACCUMULATIONS OF DUST, FUMES, VAPORS, OR GASES.
 - c. AT THE EXISTING HVAC SYSTEMS, PROVIDE FILTER(S) WITH MINIMUM EFFICIENCY RATING VALUE (MERV) 13 AT EACH EXHAUST OR RETURN AIR GRILLE IN SYSTEM AND REMOVE AT END OF CONSTRUCTION.
 - d. THE COST OF FUEL CONSUMED TO BE PAID BY OWNER.
- 0134. ELECTRICAL POWER
 - a. THE CONTRACTOR CAN USE THE BUILDING'S EXISTING ELECTRICAL POWER SYSTEMS AND
 - DEVICES FOR THE WORK. b. MAINTAIN COMPLIANCE WITH NEPA TO THE NATIONAL ELECTRIC CODE, OSHA AND UTILITY
 - PROVIDER'S REQUIREMENTS
 - c. THE COST OF CURRENT CONSUMED WILL BE PAID BY THE OWNER.
- 0135. TEMPORARY ELECTRICAL LIGHTING
 - a. THE SCOPE OF WORK, SELECTIVE DEMOLITION AND HAZARDOUS MATERIAL ABATEMENT. WILL REQUIRE THE CONTRACTOR TO PROVIDE AND MAINTAIN ADEQUATE ELECTRICAL LIGHTING TO MEET PROJECT NEEDS FOR THE DURATION OF THE PROJECT OR UNTIL NEW LIGHTING FIXTURES /
 - DEVICES ARE INSTALLED. b. ELECTRICAL LIGHTING WORK SHALL BE IN COMPLIANCE WITH NFPA 70 THE NATIONAL ELECTRIC CODE, OSHA AND UTILITY PROVIDER'S REQUIREMENTS.
 - PROVIDE LAMP REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER
 - d. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLIANCE AND PROPER USE OF ALL
 - TEMPORARY LIGHTING SYSTEMS UNTIL REMOVED. e. THE COST OF INSTALLING, MAINTAINING, SUPERVISING, OPERATING AND REMOVAL SHALL BE PAID BY THE CONTRACTOR.
 - F. THE COST OF CURRENT CONSUMED WILL BE PAID BY THE OWNER.
- 0136. TEMPORARY SANITARY FACILITIES
 - a. CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE, PORTABLE CHEMICAL TOILETS. TYPE, AND MAINTENANCE OF TEMPORARY TOILETS ARE THE RESPONSIBILITY OF THE CONTRACTOR. OBTAIN OWNER'S APPROVAL OF LOCATION PRIOR TO INSTALLATION.
- b. MAINTAIN DAILY IN CLEAN AND SANITARY CONDITION.
- 0137. FIELD OFFICE, EXISTING BUILDING INTERIOR
 - a. THE OWNER WILL ALLOW USE OF AN EXISTING SPACE, LOCATED IN THE BASEMENT, FOR THE CONTRACTORS TEMPORARY FIELD OFFICE. b. UTILIZE AN EXISTING SPACE IN THE BUILDING THAT WILL NOT DISRUPT CONSTRUCTION
 - OPERATIONS. PROVIDE AN ADEQUATELY SIZED WORK AREA FOR THE PROJECT
 - SUPERINTENDENT, A PLAN TABLE, ADEQUATE STORAGE FOR CONSTRUCTION DOCUMENTS AND A SEPARATE CONFERENCE AREA WITH TABLE AND CHAIRS TO ACCOMMODATE AT LEAST EIGHT (8) PFOPLE c. UTILIZE EXISTING OR PROVIDE HEATING AND COOLING SYSTEMS FOR TEMPORARY SERVICES.
 - d. COORDINATE LOCATION AND OTHER SPECIFIC REQUIREMENTS WITH THE OWNER.
- e. PROVIDE SIGNAGE 0147. SUBSTANTIAL COMPLETION, FINAL COMPLETION F. RETURN THE SPACE TO ITS ORIGINAL CONDITION OR BETTER UPON COMPLETION OF THE PROJECT.
- 0138. GENERAL CONTRACTOR'S SUPERINTENDENT a. THE GENERAL CONTRACTOR'S SUPERINTENDENT SHALL BE ON SITE AT ALL TIMES TO CONTROL THE PROGRESSION WORK AND TO ANSWER SUB-CONTRACTOR QUESTIONS WHILE ANY WORK IS BEING DONE, WHETHER INTERIOR OR EXTERIOR WORK, REGARDLESS OF WHO'S FORCES ARE DOING THE WORK.
- 0139. MOBILE PHONE AND EMAIL ON-SITE
 - a. THE CONTRACTOR SHALL MAKE AND PAY FOR ANY PROVISIONS AS REQUIRED TO HAVE MOBILE PHONE ON SITE AT ALL TIMES FOR EFFECTIVE COMMUNICATION BETWEEN THE OWNER AND/OR ARCHITECT AND THE CONTRACTOR.
 - b. INTERNET SERVICE
 - THE OWNER WILL ALLOW THE LIMITED USE OF THE BUILDING'S EXISTING INTERNET SERVICE. 2. THE CONTRACTOR WILL PAY FOR ALL SERVICES REQUIRING THE OWNER TO CREATE
 - "FIRE-WALLS" OR OTHER MEANS AGAINST ACCESSING ANY OF THE OWNER'S DATA. 3. THE CONTRACTOR SHALL HAVE A COMPUTER WITH INTERNET CONNECTIVITY AND A PRINTER IN THE CONTRACTOR'S ON-SITE OFFICE FOR THE DURATION OF THE PROJECT.

- a. PROVIDED BY THE CONTRACTOR. b. PROVIDE ADEQUATELY SIZED, WEATHERTIGHT, LOCKABLE STORAGE CONTA REQUIRED FOR MATERIAL STORAGE.
- c. COORDINATE STAGING LOCATION(S) WITH THE OWNER.
- REFER TO SITE PLAN DRAWING.
- d. IN ORDER TO MINIMIZE STORAGE AREAS AND PERIOD OF STORAGE AT PRO CONTRACTORS SHALL SCHEDULE AND COORDINATE ALL MATERIAL DELIVER CONTRACTOR
- . MAINTAIN AREAS FREE OF TRASH, WEEDS, AND OTHER UNSIGHTLY CONDITIC RETURN THE STAGING AREA TO ITS ORIGINAL CONDITION OR BETTER UPON (PROJECT.
- OI40. SITE ACCESS AND PARKING
 - a. THE CONTRACTOR SHALL UTILIZE THE EXISTING ASPHALT PARKING LOT AND ENTRANCE APRONS AS NOTED ON THE SITE PLAN DRAWING IN THE CONSTRI FOR ACCESS TO AND FROM THE PROJECT SITE. THE CONTRACTOR SHALL APRONS AND PARKING LOT PERIODICALLY DURING CONSTRUCTION TO ELIM
 - FROM THE SITE OUT ONTO THE ADJACENT PUBLIC ROADWAYS. I. WORKERS, CONSTRUCTION TRAFFIC, EQUIPMENT, MATERIAL DELIVERIES MATERIALS AND DEBRIS SHALL UTILIZE THIS SITE ACCESS DRIVE EXCL 2. THE EXISTING ALLEY NORTH OF BUILDING SHALL NOT BE DRIVEN ON B SUBCONTRACTORS OR DELIVERY VEHICLES OR EMPLOYEES UNLESS WO
 - THE AREA DIRECTLY ADJACENT TO THE ALLEY. 3. AT THE COMPLETION OF THE PROJECT, CONTRACTOR SHALL RESTORE, BETTER CONDITION, THE ENTRY APRON AND ALL PAVED AREAS USED I
 - ACCESS, WORKER PARKING, STAGING AND STORAGE ELEMENTS. 4. MAINTAIN ADJACENT PUBLIC ROADWAYS AND PUBLIC ALLEYS CLEAR, MUD AND DEBRIS ON A DAILY BASIS. AT THE COMPLETION OF THE PR
 - OF PUBLIC ROADWAYS AND ALLEYS THAT WERE DAMAGED BY CONSTR ORIGINAL OR BETTER CONDITION THAT IS SATISFACTORY TO THE AHJ. 5. ON-SITE CONSTRUCTION-RELATED PARKING SHALL BE RESTRICTED TO
 - WITHIN THE CONTRACTOR'S SITE ACCESS LIMIT LINE ON THE SITE PLAN MAINTAIN TEMPORARY SIGNAGE AS NECESSARY TO CONTROL ROUTES TRAFFIC AND DELIVERY OF MATERIALS AND EQUIPMENT TO THE PROJE

 - a. THE CONTRACTOR SHALL ERECT AND MAINTAIN IN GOOD CONDITION AN EIG COMMERCIAL GRADE, SELF-SUPPORTING CHAIN LINK FENCE OF STANDARD
 - ENCLOSING THE AREA OF WORK AND MATERIALS STAGING. b. THE PATH OF THE FENCE SHALL BE APPROVED BY THE OWNER AND ARCHIT ERECTION. PROVIDE LOCKABLE 16 FT. WIDE FENCE GATE AT THE CONSTRUC AND & FT. WIDE LOCKABLE GATES ELSEWHERE AT THE CONTRACTOR'S DIS I. GATES SHALL REMAIN LOCKED WHEN UNATTENDED TO DISCOURAGE ACC
- UNAUTHORIZED PERSON c. THE FENCE SHALL BE TEE-SUPPORTED, AND MUST REMAIN STABLE IN HIGH (
- CONDITIONS AND SCALING BY PEDESTRIANS. d. THE OWNER SHALL BE GIVEN A KEY(S) TO THE GATE LOCK BY THE CONTRAI
- EMERGENCY ACCESS. e. FENCING SHALL BE PLACED IMMEDIATELY AFTER OR DURING SITE PREPARA IN PLACE FOR THE ENTIRE DURATION OF CONSTRUCTION. I. THE CONTRACTOR IS TO MAINTAIN THE FENCE IN A NEAT AND ORDERLY
- a. PROVIDE AND MAINTAIN ALL SAFETY SIGNAGE, IN ACCORDANCE WITH APPL STANDARDS, REQUIRED FOR THE PROTECTION OF THE PUBLIC, OWNER'S EMPL WORKERS
- b. PROVIDE AND MAINTAIN A PROJECT IDENTIFICATION SIGN. COORDINATE SPE WITH THE OWNER AND, IF APPLICABLE, APPROVAL FROM LOCAL AUTHORITY I. AT A MINIMUM, THE SIGN SHALL INCLUDE THE NAME OF THE PROJECT, THE CONTRACTOR, THE NAME OF THE OWNER, THE NAME OF THE ARCHITECTUR ENGINEERING FIRMS, THE NAME OF THE FINANCIAL INSTITUTION PROVIDING
- GRAPHIC COMPANY LOGOS, IF APPLICABLE, OF EACH. 2. SHALL BE DESIGNED AND FABRICATED BY A GRAPHIC DESIGN FIRM EXPE TYPE AND SIZE REQUIRED.
- 3. SIZE: MINIMUM 4 FEET BY 8 FEET.
- 4. SIGN BACKING SHALL BE OF A THICKNESS AND TYPE OF MATERIAL TO WI CONDITIONS ON A CONSTRUCTION SITE, INCLUDING BUT NOT NECESSARILY DUST, ULTRAVIOLET EXPOSURE, ETC.
- 5. ERECTED BY THE CONTRACTOR. REMOVE AT PROJECT COMPLETION.
- c. SIGNAGE ADVERTISING SUBCONTRACTORS, MATERIAL SUPPLIERS, EQUIPMENT NOT BE PERMITTED AT OR ADJACENT TO THE PROJECT SITE.
- 0143. RENOVATION PROCEDURES
 - a. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION SEQUENCES TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PHASES OF CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER S TEMPORARY BRACING, GUYS, TIE-DOWNS, ETC. AS REQUIRED TO COMPLETE MATERIALS SHALL REMAIN THE CONTRACTOR'S PROPERTY AT THE COMPLE PROJECT.
- 0144. FINAL CLEANING PROJECT SITE
 - a. PROVIDE COMPLETE AND THOROUGH FINAL CLEANING OF THE PROJECT ARE PROPERTY AT THE COMPLETION OF ALL WORK.

- b. BROOM CLEAN AND MEDIUM PRESSURE WASH ALL CONCRETE AND ASPHALT
- ALL PUBLIC PAVED AREAS DIRECTLY ADJACENT TO THE SITE. c. REMOVE AND LEGALLY DISPOSE OF ALL DEBRIS.
- d. BROOM CLEAN AND MEDIUM PRESSURE WASH:
- DUMPSTER ENCLOSURE.
- 2. MATERIAL AND EQUIPMENT STAGING AREAS. 3. CONSTRUCTION PARKING AREA(S).
- 0145. FINAL CLEANING BUILDING EXTERIOR

0146. FINAL CLEANING - BUILDING INTERIOR

89.	. TEMPORARY EQUIPMENT, TOOLS AND MATERIALS STORAGE FACILITIES C a. PROVIDED BY THE CONTRACTOR.	0148.		OJECT CLOSE-OUT COMPLY WITH PROCEDURES INDICATED IN THE GENERAL CONDITIONS OF THE CONTRACT FOR	0200.5UN a.	1MARY SECTION INCL
	 PROVIDE ADEQUATELY SIZED, WEATHERTIGHT, LOCKABLE STORAGE CONTAINER IN THE QUANTITY REQUIRED FOR MATERIAL STORAGE. 			CONSTRUCTION FOR THE ISSUANCE OF CERTIFICATE OF SUBSTANTIAL COMPLETION AND CONTRACT COMPLETION.		NEW WORK. F
	c. COORDINATE STAGING LOCATION(S) WITH THE OWNER.		b.	WHEN SUBMITTING THE FINAL REQUEST FOR PAYMENT, FURNISH TO THE ARCHITECT OR OWNER: ONE BOUND COPY, SORTED AND DIVIDED BY DIVISION, OF ALL PRODUCT DATA; COLORS; FINISHES;		I. SELECTIN 2. REMOVA
	I. REFER TO SITE PLAN DRAWING. d. IN ORDER TO MINIMIZE STORAGE AREAS AND PERIOD OF STORAGE AT PROJECT SITE, ALL			MAINTENANCE INSTRUCTIONS; CLEANING INSTRUCTIONS; MANUFACTURER, SUBCONTRACTOR AND		3. DISCON
	CONTRACTORS SHALL SCHEDULE AND COORDINATE ALL MATERIAL DELIVERIES WITH THE CONTRACTOR.			CONTRACTOR WARRANTIES; SCHEMATICS; OPERATIONS MANUALS; ETC. OF ALL INSTALLED PRODUCTS. DOCUMENTS ARE TO BE CLEARLY MARKED INDICATING SIZE, TYPE, MODEL, ITEM AND		4. SELECTI AND CO
	e. MAINTAIN AREAS FREE OF TRASH, WEEDS, AND OTHER UNSIGHTLY CONDITIONS. f. RETURN THE STAGING AREA TO ITS ORIGINAL CONDITION OR BETTER UPON COMPLETION OF THE			SERIAL NUMBERS. AN ORGANIZED, WRITTEN LISTING OF CONTRACTOR AND SUBCONTRACTOR NAME, ADDRESS, TELEPHONE NUMBER(S) AND POINT OF CONTACT ARE TO BE INSERTED AT THE		5. PROTECT 6. REMOVA
	PROJECT.			FRONT OF THE MANUAL. FURNISH TO THE OWNER WHEN SUBMITTING FINAL REQUEST FOR PAYMENT:	b.	DRAWINGS AN SUPPLEMENTA
Ю.	a. THE CONTRACTOR SHALL UTILIZE THE EXISTING ASPHALT PARKING LOT AND THE NORTHERN		ι.	I. SPARE PARTS AND MAINTENANCE MATERIALS;		REQUIREMENT RELATED SEC
	ENTRANCE APRONS AS NOTED ON THE SITE PLAN DRAWING IN THE CONSTRUCTION DOCUMENTS			 ATTIC STOCK; KEYS, SPECIALTY TOOLS, ETC; 	υ.	I. TEMPORA
	FOR ACCESS TO AND FROM THE PROJECT SITE. THE CONTRACTOR SHALL CLEAN THE ENTRANCE APRONS AND PARKING LOT PERIODICALLY DURING CONSTRUCTION TO ELIMINATE MUD TRACKING			4. WRITTEN EVIDENCE OF LIEN RELEASES RECEIVED FROM ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS;		a) TEM TEM
	FROM THE SITE OUT ONTO THE ADJACENT PUBLIC ROADWAYS. I. WORKERS, CONSTRUCTION TRAFFIC, EQUIPMENT, MATERIAL DELIVERIES AND REMOVAL OF			 PERMIT DRAWINGS AND INSPECTION CARD(S); "PROJECT RECORD" DRAWINGS; 		TEM <i>CO</i> N
	MATERIALS AND DEBRIS SHALL UTILIZE THIS SITE ACCESS DRIVE EXCLUSIVELY.			7. PHOTOGRAPHIC DOCUMENTATION OF THE PROJECT (ORGANIZED BY DATE);	0201. RFI	FERENCE STAND
	SUBCONTRACTORS OR DELIVERY VEHICLES OR EMPLOYEES UNLESS WORK IS BEING DONE IN			8. WRITTEN EVIDENCE OF INSPECTIONS AND TESTING FOR HVAC AIR BALANCING, FIRE SUPPRESSION SYSTEM, LIMITED AREA FIRE SPRINKLER SYSTEM, BACK-FLOW PREVENTER, SOILS,		THE LATEST F
	THE AREA DIRECTLY ADJACENT TO THE ALLEY. 3. AT THE COMPLETION OF THE PROJECT, CONTRACTOR SHALL RESTORE, TO ORIGINAL OR			CONCRETE, STRUCTURAL STEEL AND SPRAY APPLIED FIREPROOFING; AND 9. WRITTEN EVIDENCE OF MANUFACTURER'S FINAL INSPECTION OF ROOFING SYSTEM, EXTERIOR	b.	ALL REFEREN
	BETTER CONDITION, THE ENTRY APRON AND ALL PAVED AREAS USED FOR TEMPORARY ACCESS, WORKER PARKING, STAGING AND STORAGE ELEMENTS.			INSULATION AND FINISH SYSTEM.	с.	SHALL BE AP AMERICAN NA
	 MAINTAIN ADJACENT PUBLIC ROADWAYS AND PUBLIC ALLEYS CLEAR, CLEAN AND FREE OF MUD AND DEBRIS ON A DAILY BASIS. AT THE COMPLETION OF THE PROJECT, REPAIR AREAS 	0149.		NCH LIST WITHIN FIVE (5) BUSINESS DAYS OF RECEIPT OF WRITTEN NOTIFICATION OF SUBSTANTIAL		ENGINEERS (A
	OF PUBLIC ROADWAYS AND ALLEYS THAT WERE DAMAGED BY CONSTRUCTION; RESTORE TO ORIGINAL OR BETTER CONDITION THAT IS SATISFACTORY TO THE AHJ.		a.	COMPLETION FROM THE CONTRACTOR AND RECEIPT OF THE CONTRACTOR'S PUNCH LIST, THE		OPERATIO
	5. ON-SITE CONSTRUCTION-RELATED PARKING SHALL BE RESTRICTED TO THE PAVED AREA			OWNER, OR OWNER'S REPRESENTATIVE, OR THE ARCHITECT OR HIS REPRESENTATIVE SHALL CONDUCT AN INSPECTION OF THE PROJECT TO DETERMINE IF THERE ARE ANY AREAS OF WORK		2. ANSI/ASS DEMOLITI
	WITHIN THE CONTRACTOR'S SITE ACCESS LIMIT LINE ON THE SITE PLAN DRAWING. ERECT AND MAINTAIN TEMPORARY SIGNAGE AS NECESSARY TO CONTROL ROUTES OF CONSTRUCTION		h	BEYOND THE CONTRACTOR'S PUNCH LIST THAT ARE DEFICIENT OR IN UNACCEPTABLE CONDITION. A PUNCH LIST WILL BE PRODUCED OF SAID ITEMS WITHIN SEVEN (7) BUSINESS DAYS OF THE	d.	NATIONAL FIR I. NFPA 24
	TRAFFIC AND DELIVERY OF MATERIALS AND EQUIPMENT TO THE PROJECT SITE.			INSPECTION.	0	OPERATION
H.	PROJECT (TEMPORARY) SITE FENCING a. THE CONTRACTOR SHALL ERECT AND MAINTAIN IN GOOD CONDITION AN EIGHT-FOOT HIGH			THE CONTRACTOR SHALL COMPLETE AND CORRECT ALL ITEMS ON BOTH PUNCH LISTS WITHIN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS OF RECEIPT OF THE OWNER'S PUNCH LIST.	в.	I. OSHA 29
	COMMERCIAL GRADE, SELF-SUPPORTING CHAIN LINK FENCE OF STANDARD CONSTRUCTION ENCLOSING THE AREA OF WORK AND MATERIALS STAGING.		d.	IF THE CONTRACTOR FAILS TO PROPERLY COMPLETE THE ITEMS WITHIN THE DEADLINE, THE OWNER RESERVES THE RIGHT TO HIRE SEPARATE CONTRACTOR(S) TO COMPLETE THE WORK AND		2. 05HA 20 3. 05HA 20
	b. THE PATH OF THE FENCE SHALL BE APPROVED BY THE OWNER AND ARCHITECT PRIOR TO			BACK CHARGE THE ORIGINAL CONTRACTOR FOR ALL ASSOCIATED CONTRACTOR AND ARCHITECTURAL COSTS.		4. 05HA 29 5. 05HA 29
	ERECTION. PROVIDE LOCKABLE 16 FT. WIDE FENCE GATE AT THE CONSTRUCTION ACCESS DRIVE AND & FT. WIDE LOCKABLE GATES ELSEWHERE AT THE CONTRACTOR'S DISCRETION.	0150	۸c	-BUILT DRAWINGS		6. <i>O</i> SHA 29
	I. GATES SHALL REMAIN LOCKED WHEN UNATTENDED TO DISCOURAGE ACCESS BY UNAUTHORIZED PERSONS.	J.JU.		UTILIZING THE "PROJECT RECORD" SET OF DOCUMENTS, RECORD, IN LEGIBLE RED INK, AS-BUILT	0202. DE a.	FINITIONS REMOVE: DE1
	c. THE FENCE SHALL BE TEE-SUPPORTED, AND MUST REMAIN STABLE IN HIGH OR GUSTY WIND CONDITIONS AND SCALING BY PEDESTRIANS.			INFORMATION CONCURRENTLY WITH CONSTRUCTION PROGRESS. INCLUDE INFORMATION SUCH AS: I. MEASURED DEPTHS OF VARIOUS ELEMENTS OF FOUNDATIONS IN RELATION TO FINISH FLOOR		UNLESS INDIC
	d. THE OWNER SHALL BE GIVEN A KEY(S) TO THE GATE LOCK BY THE CONTRACTOR FOR			DATUM; 2. REFERENCED FROM PERMANENT SURFACE IMPROVEMENTS, MEASURED HORIZONTAL AND		OWNER.
	EMERGENCY ACCESS. e. FENCING SHALL BE PLACED IMMEDIATELY AFTER OR DURING SITE PREPARATION, AND REMAIN			VERTICAL LOCATIONS OF UNDERGROUND UTILITIES AND APPURTENANCES; 3. REFERENCED FROM VISIBLE AND ACCESSIBLE FEATURES OF THE STRUCTURE, MEASURED	С.	REMOVE, SAL SUBSTRATE F
	IN PLACE FOR THE ENTIRE DURATION OF CONSTRUCTION. I. THE CONTRACTOR IS TO MAINTAIN THE FENCE IN A NEAT AND ORDERLY APPEARANCE.			LOCATIONS OF INTERIOR UTILITIES AND APPURTENANCES CONCEALED IN THE CONSTRUCTION; 4. FIELD CHANGES OF DIMENSIONS, DETAILS, ELEVATIONS, GRADES, ETC;	d.	EXISTING TO THAT ARE NO
2.	. TEMPORARY SIGNAGE			5. CHANGES MADE BY CHANGE DIRECTIVE AND CHANGE ORDER;		RECYCLED.
	a. PROVIDE AND MAINTAIN ALL SAFETY SIGNAGE, IN ACCORDANCE WITH APPLICABLE OSHA STANDARDS, REQUIRED FOR THE PROTECTION OF THE PUBLIC, OWNER'S EMPLOYEES AND			 DETAILS NOT ON ORIGINAL DRAWINGS; REFERENCES TO SHOP DRAWINGS; AND 		MOLITION OPER PRIOR TO TH
	WORKERS. b. PROVIDE AND MAINTAIN A PROJECT IDENTIFICATION SIGN. COORDINATE SPECIFIC REQUIREMENTS			 ANY OTHER MODIFICATION INFORMATION DEEMED NECESSARY FOR THE PROPER DOCUMENTATION OF THE EXISTING CONDITIONS AND NEW WORK. 	0.1	I. CONDUCT a) ATTE
	WITH THE OWNER AND, IF APPLICABLE, APPROVAL FROM LOCAL AUTHORITY HAVING JURISDICTION. $_{ m C}$	0151.	AT	TIC STOCK		CONS
	I. AT A MINIMUM, THE SIGN SHALL INCLUDE THE NAME OF THE PROJECT, THE NAME OF THE CONTRACTOR, THE NAME OF THE OWNER, THE NAME OF THE ARCHITECTURAL FIRM, THE NAME OF		а.	PROVIDE ADDITIONAL MATERIAL (ATTIC STOCK) TO THE OWNER AT PROJECT COMPLETION. THE MATERIAL IS TO MATCH IN COLOR, LOT NUMBER, BATCH, TEXTURE, TEMPERATURE (KELVIN), ETC.		WORI b) DISC
	ENGINEERING FIRMS, THE NAME OF THE FINANCIAL INSTITUTION PROVIDING FINANCING AND GRAPHIC COMPANY LOGOS, IF APPLICABLE, OF EACH.			OF THAT WHICH WAS INSTALLED (EACH TYPE) AND SHALL BE IN FULL, UNOPENED CARTONS, BUCKETS, CANS, BOXES, ETC.		FOR AND
	 SHALL BE DESIGNED AND FABRICATED BY A GRAPHIC DESIGN FIRM EXPERIENCED WITH THE TYPE AND SIZE REQUIRED. 			PAINT: ONE GALLON OF EACH COLOR.		SAFE
	3. SIZE: MINIMUM 4 FEET BY & FEET. 4. SIGN BACKING SHALL BE OF A THICKNESS AND TYPE OF MATERIAL TO WITHSTAND NORMAL		с.	FLOOR COVERING: I. VINYL COMPOSITION TILE: I CARTON OF EACH STYLE, PATTERN AND COLOR.		2. OBTAIN A
	CONDITIONS ON A CONSTRUCTION SITE, INCLUDING BUT NOT NECESSARILY LIMITED TO, WIND, DUST, ULTRAVIOLET EXPOSURE, ETC.			 LUXURY VINYL PLANK: 10 PERCENT. CERAMIC TILE: I CARTON OF EACH STYLE, PATTERN AND COLOR. 		a) NOTI
	5. ERECTED BY THE CONTRACTOR. REMOVE AT PROJECT COMPLETION. c. SIGNAGE ADVERTISING SUBCONTRACTORS, MATERIAL SUPPLIERS, EQUIPMENT SUPPLIERS, ETC. WILL		d. e.	WALLCOVERING: CERAMIC TILE: I CARTON OF EACH STYLE, PATTERN AND COLOR. CEILING SYSTEM ACOUSTICAL TILES: I CARTON.		REQU 3. SUBMIT TO
	C. SIGNAGE ADVERTISING SUBCONTRACTORS, MATERIAL SUPPLIERS, EQUIPMENT SUPPLIERS, ETC. WILL NOT BE PERMITTED AT OR ADJACENT TO THE PROJECT SITE.		f.	LAMPS: I. ONE BOX INSTALLED IN LAY-IN AND COVE LIGHT FIXTURES.		a) COPI ELEM
13.	. RENOVATION PROCEDURES a. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND			 TWO EACH INSTALLED IN RECESSED DOWNLIGHTS. THREE EACH INSTALLED IN UNDER CABINET LIGHT FIXTURES. 		b) DATE OF T
	SEQUENCES TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ALL	0152.	WA	RRANTY		c) DOCI MISC
	TEMPORARY BRACING, GUYS, THE-DOWNS, ETC. AS REQUIRED TO COMPLETE THE WORK. SUCH			THE CONTRACTOR SHALL PROVIDE A WRITTEN WARRANTY TO THE OWNER THAT ALL WORK IS IN CONFORMITY WITH THE CONTRACT DOCUMENTS AND FREE FROM DEFECTS IN WORKMANSHIP,	0204 00	CUMENTED EXPI
	MATERIALS SHALL REMAIN THE CONTRACTOR'S PROPERTY AT THE COMPLETION OF THE PROJECT.			MATERIALS AND EQUIPMENT FOR A PERIOD OF ONE YEAR COMMENCING WITH FINAL ACCEPTANCE BY THE ARCHITECT AND OWNER.	DE	MOLITION IS TO
14.	. FINAL CLEANING - PROJECT SITE		b.	THE CONTRACTOR, THROUGH THE MANUFACTURER, SHALL PROVIDE A WRITTEN WARRANTY TO THE		ASSIGN REMO
	 PROVIDE COMPLETE AND THOROUGH FINAL CLEANING OF THE PROJECT AREA WITHIN THE PROPERTY AT THE COMPLETION OF ALL WORK. 			OWNER FOR THOSE INSTALLED ITEMS THAT CARRY A MANUFACTURER'S WARRANTY BEYOND THE ONE (1) YEAR PERIOD.	b.	MANNER TO C THE DEMOLIT
	 BROOM CLEAN AND MEDIUM PRESSURE WASH ALL CONCRETE AND ASPHALT PAVED AREAS AND ALL PUBLIC PAVED AREAS DIRECTLY ADJACENT TO THE SITE. 		۲.	IF DEFECTIVE WORK BECOMES APPARENT WITHIN THE WARRANTY PERIOD, THE OWNER SHALL PROMPTLY NOTIFY THE CONTRACTOR IN WRITING. WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF		ARE TO BE P INVOLVED.
	 c. REMOVE AND LEGALLY DISPOSE OF ALL DEBRIS. d. BROOM CLEAN AND MEDIUM PRESSURE WASH: 			SAID NOTICE, THE CONTRACTOR SHALL, IN THE COMPANY OF ONE OR MORE REPRESENTATIVES OF THE OWNER, VISIT THE PROJECT TO DETERMINE THE EXTENT OF THE DEFECTIVE WORK. THE	0205. RE	SPONSIBILITY F
	I. DUMPSTER ENCLOSURE. 2. MATERIAL AND EQUIPMENT STAGING AREAS.			CONTRACTOR SHALL PROMPTLY REPAIR OR REPLACE THE DEFECTIVE WORK, INCLUDING ALL ADJACENT WORK DAMAGED AS A RESULT OF SUCH DEFECTIVE WORK OR AS A RESULT OF	a.	THE ARCHITED
	3. CONSTRUCTION PARKING AREA(S).			REMEDYING THE DEFECTIVE WORK, WHETHER OR NOT SUCH ADJACENT WORK WAS ORIGINALLY	b.	CONDITIONS E MUCH AS PRA
15.	. FINAL CLEANING - BUILDING EXTERIOR		d.	PROVIDED BY THE CONTRACTOR. IF THE DEFECTIVE WORK IS CONSIDERED, BY THE OWNER, TO BE AN EMERGENCY, THE OWNER		OWNER'S REM
	a. PROVIDE COMPLETE AND THOROUGH FINAL CLEANING OF THE BUILDING EXTERIOR AT THE COMPLETION OF ALL WORK. ALL CLEANING PRODUCTS AND PROCEDURES ARE TO BE IN			RESERVES THE RIGHT TO NOTIFY THE CONTRACTOR BY TELEPHONE OR OTHER EXPEDITIOUS MEANS. THE CONTRACTOR SHALL VISIT THE PROJECT NO LATER THAN ONE (1) CALENDAR DAY OF	υ.	THE CONTRAC
	ACCORDANCE WITH THE MANUFACTURER OF THE ITEM BEING CLEANED. b. REMOVE ALL TRACES OF SPLASHED MATERIAL, SPOTTING, SMUDGES, STAINING, LABELS, TAPE,		e.	RECEIPT OF SAID NOTICE. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE COST OF TEMPORARY MATERIALS,	d.	AS THE WORK
	PROTECTIVE COVERINGS AND OTHER FOREIGN MATTER FROM ALL SURFACES. c. POLISH ALL GLAZING, STAINLESS, BRASS, MILL AND CHROME SURFACES.		~ •	FACILITIES, UTILITIES AND/OR EQUIPMENT REQUIRED BY EITHER THEM OR THE OWNER IN ORDER FOR THE OWNER TO CONTINUE DOING UNINTERRUPTED BUSINESS DURING THE REPAIR OR	<u> </u>	SHALL BE TR
	 d. CLEAN EXPOSED MASONRY, STONE, STUCCO AND EAVE WORK. e. CLEAN BUILDING COLUMNS, RAILINGS AND OTHER DECORATIVE ITEMS. 			REPLACEMENT OF THE DEFECTIVE WORK.	a.	ZARDOUS MATE IN THE EVENT T
	 BROOM CLEAN AND MEDIUM PRESSURE WASH AREAS SUCH AS STOOPS, PATIOS, PORCHES DECKS, STAIRS, ETC. ATTACHED TO AND/OR ADJACENT TO THE BUILDING. 					REASONABLY E MATERIAL WHIC
6	. FINAL CLEANING - BUILDING INTERIOR					STOP WORK IN THE OWNER SH
	a. PROVIDE COMPLETE AND THOROUGH FINAL CLEANING OF THE BUILDING INTERIOR AT THE					ASBESTOS, LEA WORK IN ANY A
	COMPLETION OF ALL WORK. ALL CLEANING PRODUCTS AND PROCEDURES ARE TO BE IN ACCORDANCE WITH THE MANUFACTURER FOR THE ITEM BEING CLEANED.					PROVEN NOT TO
	 VISUALLY INSPECT ALL SURFACES. REMOVE ALL TRACES OF SOIL, WASTE MATERIAL, SPOTTING, SMUDGES, PAINT DROPPINGS, WALLBOARD JOINT COMPOUND, STAINS AND OTHER FOREIGN 					LEGALLY REMO HAZARDOUS MA
	MATTER. c. REMOVE AND LEGALLY DISPOSE OF ALL DEBRIS.					UIPMENT CONTA
	d. POLISH ALL GLAZING, MIRROR GLASS, STAINLESS, CHROME, MILL, BRASS, RECESSED LIGHTING REFLECTIVE SURFACES AND OTHER EXPOSED METAL SURFACES.					ANY EQUIPME RECOVERED
	e. BROOM CLEAN AND DAMP MOP HARD FLOORING SURFACES SUCH AS LUXURY VINYL TILE, VINYL COMPOSITION TILE, EXPOSED CONCRETE, ETC.				b.	TECHNICIAN IS WORK HAS BI
	 f. DAMP CLOTH WIPE DOWN/DUST ALL HORIZONTAL AND VERTICAL SURFACES. INCLUDES INTERIORS OF CABINETS, DRAWERS, LOCKERS, FIRE EXTINGUISHER CABINETS, ETC. 					NER OCCUPANC
	g. REMOVE LABELS, TAGS, TAPE, ETC. FROM ALL HORIZONTAL AND VERTICAL SURFACES.					THE OWNER M DEMOLITION.
	 NACUM CARPETS. WAX AND BUFF POLISH VINYL COMPOSITION TILE SURFACES. 				b.	DO NOT CLOS HALLWAYS O
	J. CLEAN THE INTERIOR OF LIGHTING COVES. k. SANITIZE PLUMBING FIXTURES AND DRINKING FOUNTAINS.				۵.	OBTAIN AUTHO PARKING ARE
	I. UTILIZING MATERIAL PROVIDED BY THE OWNER, STOCK PAPER AND SOAP DISPENSERS. m. REPLACE OR CLEAN ALL HVAC FILTERS.				d.	CONDUCT DEI THE OWNER'S
	. SUBSTANTIAL COMPLETION, FINAL COMPLETION				е.	PROVIDE A M
	a. THE DATE OF SUBSTANTIAL COMPLETION, AS NOTED IN THE OWNER'S CONTRACT WITH THE CONTRACTOR, IS THE DATE UPON WHICH THE WORK IS COMPLETED TO THE POINT THAT THE				f.	AFFECT OWNE MAINTAIN EXIS
	OWNER COULD, IF NECESSARY, OCCUPY AND MAKE USE OF THE BUILDING, AND THAT ONLY MINOR PUNCH LIST ITEMS REMAIN TO BE FINISHED BY THE CONTRACTOR.					DAMAGE DUR I. DO NOT IN
	I. IF THE PROJECT HAS BEEN DELAYED BY EVENTS COMPLETELY OUTSIDE OF THE CONTROL OF THE CONTRACTOR, I.E. UNFORESEEN CONDITIONS REQUIRING EXTENSIVE ACTION BEING TAKEN					COORDINA 2. IF DISRUT
	BY THE CONTRACTOR, I.E. UNFORESEEN CONDITIONS REQUIRING EXTENSIVE ACTION BEING TAKEN BY THE CONTRACTOR FAR BEYOND THE SCOPE INDICATED IN THE DRAWINGS, THE DATE OF SUBSTANTIAL COMPLETION CAN BE MODIFIED TO A LATER DATE THAT IS MUTUALLY					SERVICES
	AGREEABLE TO THE CONTRACTOR, THE ARCHITECT AND THE OWNER, AND SHALL BE					BLIC WAYS COORDINATE
	MEMORIALIZED IN WRITING VIA CHANGE ORDER. b. THE DATE OF FINAL COMPLETION IS DEFINED AS THIRTY (30) DAYS AFTER THE DATE OF					CLOSURE OR
	SUBSTANTIAL COMPLETION AND IS CONSIDERED TO BE A REASONABLE PERIOD OF TIME FOR THE CONTRACTOR TO COMPLETE ALL OF THE ITEMS ON THE PUNCH LIST.					

DIVISION 02 - EXISTING CONDITIONS

0200. SUMMARY ECTION INCLUDES: SELECTIVE DEMOLITION AS DESIGNATED OR REQUIRE W WORK. REFER TO DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.

- DT NECESSARILY LIMITED TO, THE FOLLOWING:
- SELECTIVE DEMOLITION OF DESIGNATED CONSTRUCTION. REMOVAL OF DESIGNATED MATERIALS AND FINISHES.
- DISCONNECTING AND CAPPING IDENTIFIED UTILITIES.
- SELECTIVE DEMOLITION OF PARTS OF EXISTING UTILITIES AS REQUIR
- AND CONSTRUCT THE NEW WORK.
- PROTECTION OF ITEMS TO REMAIN AS INDICATED ON DRAWINGS. REMOVAL OF DEMOLISHED MATERIALS FROM SITE.
- RAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GEI PPLEMENTARY GENERAL CONDITIONS OF THE CONTRACT, AND DIVISION QUIREMENTS, APPLY TO THIS SECTION.
- LATED SECTIONS
- TEMPORARY FACILITIES AND CONTROLS
- a) TEMPORARY FACILITIES, SUCH AS FENCES, BARRICADES, WARNI TEMPORARY SAFETY MEASURES, AND DUST CONTROL. PROVIDE TEMPORARY FACILITIES AND CONTROLS AS MAY BE REQUIRED CONTINUOUS BUILDING OPERATIONS DURING THE TRANSITIONAL
- NCE STANDARDS
- E LATEST PUBLISHED EDITION OF A REFERENCE SHALL BE APPLICABLE LESS IDENTIFIED BY A SPECIFIC DATE. _ REFERENCE AMENDMENTS ADOPTED PRIOR TO TO THE EFFECTIVE D
- IALL BE APPLICABLE TO THIS PROJECT.
- /ERICAN NATIONAL STANDARDS INSTITUTE (ANSI) / THE AMERICAN SOC IGINEERS (ASSE) ANSI/ASSE AIO.6. SAFETY AND HEALTH PROGRAM REQUIREMENTS FO
- OPERATIONS. ANSI/ASSE AIO.44, CONTROL ENERGY SOURCES (LOCKOUT/TAGOUT) F
- DEMOLITION OPERATIONS ATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION OPERATIONS
- COUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA)
- OSHA 29 CFR 1926.850, DEMOLITION PREPARATORY PROCEDURES OSHA 29 CFR 1926 SUBPART D, OCCUPATIONAL HEALTH AND ENVIRO OSHA 29 CFR 1926 SUBPART E, PERSONAL PROTECTIVE AND LIFESA
- OSHA 29 CFR 1926 SUBPART K, ELECTRICAL
- OSHA 29 CFR 1926 SUBPART M, FALL PROTECTION, CONSTRUCTION
- OSHA 29 CFR 1926 SUBPART Z, TOXIC AND HAZARDOUS SUBSTANCE
- MOVE: DETACH ITEMS FROM EXISTING SURFACE AND LEGALLY DISPOS LESS INDICATED TO BE REMOVED AND SALVAGED OR RECYCLED.
- MOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION .
- MOVE, SALVAGE AND REINSTALL: DETACH ITEMS FROM EXISTING CON BSTRATE FOR RE-USE AND REINSTALL WHERE INDICATED. (ISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT AT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND
- ITION OPERATIONS
- RIOR TO THE START OF INTERIOR DEMOLITION OPERATIONS, THE CONTR
 - CONDUCT AN ON-SITE COORDINATION MEETING a) ATTENDEES ARE TO INCLUDE THE OWNER, THE ARCHITECT, THE A CONSULTANTS AND ANY INDIVIDUAL OR GROUP HAVING JURISDIC
 - WORK b) DISCUSSIONS ARE TO INCLUDE A DETAILED SCHEDULE OF THE W FOR SHUT-OFF, CAPPING AND CONTINUATION OF UTILITY SERVICE AND NOISE CONTROL, PROVISIONS FOR THE PROTECTION OF ELE SAFETY, METHODS OF DISPOSAL OF DEBRIS AND ANY OTHER AN
 - INTERRUPTIONS OF THE OWNER'S OPERATIONS. OBTAIN AND PAY ALL NECESSARY PERMITS IN CONJUNCTION WITH HA OFF-SITE DISPOSAL OF DEMOLISHED, NON-HAZARDOUS MATERIALS. a) NOTIFY APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL GOV REQUIRED
 - SUBMIT TO THE OWNER a) COPIES OF PERMITS AND NOTICES AUTHORIZING DEMOLITION OF ELEMENTS ISSUED BY THE AHJ;
 - b) DATE AND TIME STAMPED PHOTOGRAPHS OF EXISTING CONDITIC OF THE WORK AREA; AND
 - c) DOCUMENTATION OF ANY EXISTING DAMAGE OR IRREGULARITIE MISCONSTRUED AS DAMAGE RELATED TO DEMOLITION OPERATION
- ENTED EXPERIENCE

ITION IS TO BE PERFORMED BY PERSONS WITH DOCUMENTED EXPERIEN ITS SIMILAR IN SIZE AND SCOPE TO THIS PROJECT. 551GN REMOVAL AND CUTTING TO TRADES QUALIFIED TO PERFORM THE

ANNER TO CAUSE LEAST DAMAGE TO EACH ELEMENT. e demolition of elements such as fire suppression, plumbing, h RE TO BE PERFORMED BY THE SUBCONTRACTOR SPECIALIZED IN THE

ISIBILITY FOR ACTUAL CONDITIONS

- IE ARCHITECT AND OWNER ASSUME NO RESPONSIBILITY FOR THE ACTUA ILDING STRUCTURE AND ELEMENTS TO BE DEMOLISHED. ONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES M
- ICH AS PRACTICAL. HOWEVER, VARIATIONS WITHIN THE STRUCTURE MA INER'S REMOVAL AND SALVAGE OPERATIONS BEFORE START OF DEM
- THE WORK PROGRESSES, ITEMS INDICATED TO BE REMOVED AND OF E CONTRACTOR SHALL BE TRANSPORTED FROM THE SITE AS THEY AR ORAGE OR ON-SITE SALE OF REMOVED ITEMS WILL NOT BE PERMITTEI
- THE WORK PROGRESS, ITEMS INDICATED TO BE REMOVED AND SALVA IALL BE TRANSPORTED BY THE CONTRACTOR TO THE AREA DESIGNATI

DOUS MATERIALS HE EVENT THE CONTRACTOR ENCOUNTERS MATERIALS WITHIN THE DEMC SONABLY BELIEVED TO BE ASBESTOS, POLYCHLORINATED BIPHENYL ERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR

- P WORK IN THE AFFECTED AREA AND REPORT, IN WRITING, TO THE OWN
- OWNER SHALL BE RESPONSIBLE FOR TESTING SUSPECTED ELEMENTS FOR ESTOS, LEAD, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SU
- RK IN ANY AFFECTED AREA SHALL NOT COMMENCE UNTIL THE SUSPECTE IVEN NOT TO BE HAZARDOUS OR THE SUSPECTED MATERIAL IS RENDER
- ALLY REMOVED BY A CONTRACTOR SPECIALIZED IN THE HANDLING AN ARDOUS MATERIAL.

ENT CONTAINING REFRIGERANT

IY EQUIPMENT SCHEDULED FOR DEMOLITION THAT CONTAINS REFRIGER. ECOVERED IN ACCORDANCE WITH 40 CFR 82 AND EPA REQUIREMENTS. CHNICIAN IS TO PROVIDE A WRITTEN STATEMENT TO THE CONTRACTOR ORK HAS BEEN COMPLETED IN ACCORDANCE WITH REGULATIONS.

- OCCUPANCY OF BUILDING
- E OWNER WILL OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJ MOLITION.
-) NOT CLOSE, BLOCK OR OTHERWISE OBSTRUCT ROOMS, BUILDING EXIT ALLWAYS OR OTHER MEANS OF EGRESS DURING DEMOLITION OPERATION 3TAIN AUTHORIZATION FROM THE OWNER PRIOR TO CLOSING OR OBSTRI
- RKING AREAS, PRIVATE SIDEWALKS, ETC. ONDUCT DEMOLITION OPERATIONS IN A MANNER THAT WILL MINIMIZE NEI
- E OWNER'S OPERATIONS. ROVIDE A MINIMUM OF 12 HOURS NOTICE TO THE OWNER OF DEMOLITION
- FECT OWNER'S OPERATIONS. INTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PRO AMAGE DURING DEMOLITION OPERATIONS.
- DO NOT INTERRUPT UTILITIES SERVING OCCUPIED OR USED AREAS UNI
- COORDINATED AND AUTHORIZED IN WRITING BY THE OWNER. IF DISRUPTIONS ARE NECESSARY, PROVIDE AND MAINTAIN ADEQUAT SERVICES ACCEPTABLE TO THE OWNER AND THE AUTHORITIES HAVIN

CORDINATE AND OBTAIN AUTHORIZATION FROM AUTHORITIES HAVING . .OSURE OR BLOCKAGE TO PUBLIC ALLEYS, PUBLIC STREETS, PUBLIC SID

RED TO PROVIDE FOR 5. WORK INCLUDES, BUT IS	0210.	MATERIAL OWNERSHIP a. DEMOLISHED MATERIAL, EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE RE-USED, CALLY (A CER OR OTHER WIRE A VIEW OF A CERTAR OF A VIEW
5. MORE INCLUDES, BUT IS		SALVAGED OR OTHERWISE INDICATED TO REMAIN THE OWNER'S PROPERTY AND EXCEPT AS INDICATED HEREIN, SHALL BE THE CONTRACTOR'S PROPERTY.
		I. ANY DEMOLISHED MATERIAL CONSIDERED TO BE REUSABLE SHALL BE DONATED TO THE LOCAL HABITAT FOR HUMANITY.
UIRED TO CONNECT TO		2. ANY DEMOLISHED MATERIAL CONSIDERED RECYCLABLE SHALL BE DONATED TO THE LOCAL COMMUNITY ACTION AGENCY RECYCLING CENTER OR OTHER LOCAL INTERESTED ENTITY. NO MONEY COMPENSATION SHALL BE RECEIVED FOR THE RECYCLED MATERIAL UNLESS SAME
		CREDIT HAS BEEN GIVEN TO THE OWNER. b. HISTORICAL ITEMS, RELICS AND SIMILAR OBJECTS INCLUDING, BUT NOT LIMITED TO,
JENERAL AND ON OI - GENERAL		COMMEMORATIVE PLAQUES AND TABLETS, ANTIQUES, MONUMENTS AND OTHER ITEMS OF INTEREST OR VALUE TO THE OWNER WHICH MAY BE ENCOUNTERED DURING DEMOLITION, REMAIN THE OWNER'S
		PROPERTY. CAREFULLY REMOVE AND SALVAGE EACH ITEM OR OBJECT IN A MANNER TO PREVENT DAMAGE AND DELIVER PROMPTLY TO THE OWNER.
NING LIGHTS, AND OTHER	<i>0</i> 211.	DEMOLITION - GENERAL
DE SUCH ADDITIONAL D TO FACILITATE		a. PERFORM WORK IN ACCORDANCE WITH ANSI AIO.6 UNLESS OTHERWISE NOTED.b. REMOVE DESIGNATED INTERIOR STRUCTURES, PARTS, AND FINISHES AT BEGINNING OF WORK TO
CONSTRUCTION WORK.		MINIMIZE HAZARDOUS WORKING CONDITIONS AND TO PROVIDE COMPARATIVELY CLEAN SURFACES FOR INSTALLATION OF NEW WORK.
BLE TO THIS PROJECT		C. PERFORM DEMOLITIONS AS MUCH AS POSSIBLE WITH SMALL TOOLS. DEMOLISH IN SMALL SECTIONS. REMOVE LOADING BEFORE CUTTING OR REMOVING STRUCTURAL MEMBERS/
DATE OF THIS CONTRACT		d. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER. PROTECT EXISTING SUPPORTING STRUCTURAL MEMBERS.
CIETY OF SAFETY		e. AT CONCRETE AND OTHER MATERIALS WHERE EDGES OF CUTS AND HOLES WILL REMAIN EXPOSED IN THE COMPLETED WORK, MAKE CUTS USING POWER SAWING AND CORING EQUIPMENT.
FOR DEMOLITION		DO NOT OVER CUT AT CORNERS OF CUT OPENINGS. f. WHERE EXISTING RESILIENT FLOORING, CARPETING, CARPET PADDING, TILE AND OTHER SIMILAR ADHESIVE OR MORTAR APPLIED FINISHES ARE REQUIRED TO BE REMOVED TO PERMIT
FOR CONSTRUCTION AND		APPLICATION OF NEW FINISHES, GRIND, STONE, SAND OR OTHERWISE REMOVE ALL ADHESIVES, MORTAR, FASTENERS, AND SIMILAR MATERIALS TO THE EXTENT THAT NO RIDGES, LUMPS OR
ATION AND DEMOLITION		OTHER PROTRUSIONS WILL TELEGRAPH THROUGH SURFACE OF NEW FINISH OR BE APPARENT WHEN THE SUBSTRATE IS LEFT EXPOSED.
THOM AND DEPICEMENT		g. AT LIMITS OF DEMOLITION WORK SHOWN OR SPECIFIED, PROVIDE NEAT, ORDERLY, AND CLEAN JOINTS, LINES, AND EDGES OF SURFACES, WHETHER FOR JUNCTIONS WITH NEW MATERIALS OR
RONMENTAL CONTROLS		SURFACES OR WHETHER TO BE LEFT AS EXISTING. WHERE DEMOLITIONS METHODS OR CONTROLS MAY NOT PERMIT THE INTENDED JOINTURE, SUBMIT CONDITIONS AND ALTERNATIVES TO OWNER'S
SAVING EQUIPMENT		REPRESENTATIVE, AND OBTAIN RESOLUTIONS PRIOR TO COMMENCING. h. CUTTING OF CONCRETE AND ASPHALT SHALL BE MADE CLEAN AND NEAT.
N CES		I. DO NOT CUT OR ALTER STRUCTURAL MEMBERS UNLESS INDICATED TO DO SO ON THE DRAWINGS OR WRITTEN APPROVAL IS RECEIVED FROM OWNER'S REPRESENTATIVE.
		J. TAKE CARE NOT TO DAMAGE REINFORCING OR STRUCTURAL STEEL SCHEDULED TO REMAIN IN PLACE.
OSE OF THEM OFF-SITE	0212.	CONCRETE
N AND DELIVER THEM TO		a. DEMOLISH BY MEANS OF SAW CUTTING, DRILLING, CHIPPING, BREAKING, OR A COMBINATION THEREOF, AS INDICATED OR REQUIRED TO SATISFACTORY ACCOMPLISH THE WORK WITHOUT DAMAGE TO EXISTING IMPROVEMENTS NOT BEING REMOVED.
NISTRUCTION, PREPARE		 b. DO NOT USE JACKHAMMERS OR OTHER HEAVY-DUTY IMPACT-TYPE TOOLS FOR DEMOTION WORK WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
t to be removed and 9 Salvaged, or		I. IF JACK HAMMERING IS PERMITTED DO NOT JACK HAMMER WITHIN 2 INCHES OF REINFORCING OR STRUCTURAL STEEL; REMOVE FINAL 2 INCHES OF MATERIAL WITH CHIPPING
		GUN. c. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS, LESS THAN 3 FEET IN ANY DIRECTION.
TRACTOR SHALL:		d. CUT CONCRETE AT NEAREST CONTROL JOINT TO LINE SHOWN ON THE DRAWINGS, SO THAT NEW CONCRETE CAN BE INSTALLED CONTINUING THE ADJACENT EXISTING JOINT PATTERN.
ARCHITECT'S ENGINEERING	0213.	DEMOLITION METHOD
WORK, COORDINATION		a. PERFORM DEMOLITION BY METHOD OF CONTRACTOR'S CHOICE EXCEPT AS OTHERWISE INDICATED.
CES, DETAILS FOR DUST LEMENTS TO REMAIN,		I. DO NOT USE CUTTING TORCH OR SPARK GENERATING EQUIPMENT UNTIL THE AREA IS CLEAR OF COMBUSTIBLE MATERIAL. PRIOR TO START, VERIFY THE LOCATION(S) AND CONDITIONS
ANTICIPATED		OF CONCEALED SPACES. a) OBTAIN AND PAY FOR NECESSARY PERMITS REQUIRED FOR CUTTING TORCH WORK.
HAULING AND LEGAL, 5.		 b) MAINTAIN FIRE PROTECTION SERVICES AND EQUIPMENT DURING DEMOLITION OPERATIONS. i) PROVIDE AND MAINTAIN PORTABLE FIRE SUPPRESSION EQUIPMENT.
OVERNING AUTHORITIES AS		c) PERFORM FIRE WATCH FOR THE DURATION OF THE CUTTING OPERATION AND A MINIMUM OF ONE HOUR AFTER THE COMPLETION OF THE CUTTING OPERATION.
of Designated Building		2. IF SAFETY OF THE STRUCTURE APPEARS TO BE COMPROMISED, CEASE DEMOLITION OPERATIONS AND IMMEDIATELY NOTIFY THE ARCHITECT.
TIONS ADJACENT TO AND		 UNTIL DETERMINATION IS MADE FOR CONTINUING OPERATIONS, TAKE NECESSARY PRECAUTIONS TO SUPPORT THE STRUCTURE. PERFORM WORK IN AN EFFICIENT, SYSTEMATIC MANNER WITHOUT DELAYS OR UNSCHEDULED
ES THAT MIGHT BE		 PERFORM MORE IN AN EFFICIENT, STREMATIC MANNER WITHOUT DELATS OR UNSCHEDULED INTERRUPTIONS. ELEMENTS AND ADJACENT FINISHES THAT ARE SCHEDULED TO REMAIN ARE TO BE
TIONS.		a) IF ACCEPTABLE TO THE OWNER, THE ELEMENT(S) MAY BE REMOVED, STORED IN A
ENCE DEMOLISHING		SECURE LOCATION AND REINSTALLED. b) PROMPTLY REPAIR DAMAGE TO ADJACENT FINISHES AS THE RESULT OF DEMOLITION
HE DEMOLITION WORK IN A		WORK. 6. IMMEDIATELY CLEAN ALL ADJACENT AREAS OF DUST, DUST AND DEBRIS CAUSED BY
HVAC AND ELECTRICAL TYPE OF WORK		DEMOLITION OPERATIONS AND RETURN TO ORIGINAL OR LIKE NEW CONDITION THAT EXISTED BEFORE THE START OF THE WORK.
	0214.	ACCUMULATION OF EXHAUST
VAL CONDITION OF THE		a. TO PREVENT THE UNSAFE ACCUMULATION OF EXHAUST IN THE BUILDING, ALL POWERED EQUIPMENT, (SAW-CUTTING MACHINERY, WELDERS, ETC.), SHALL BE ELECTRICAL OR PROPANE
WILL BE MAINTAINED AS		POWERED OR BE OUTFITTED WITH AN APPROVED EXHAUST SCRUBBER. COORDINATE SPECIAL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
1AY OCCUR DUE TO MOLITION WORK. DF SALVAGE VALUE TO	0215.	REMOVAL OF DEBRIS a. REMOVE DEMOLISHED MATERIALS FROM SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
RE REMOVED. ON-SITE		b. REMOVE MATERIALS AS WORK PROGRESSES. UPON COMPLETION OF WORK, LEAVE AREAS IN CLEAN CONDITION.
LV. .VAGED TO THE OWNER ATED BY THE OWNER.		c. REMOVE SALVAGE AND DEBRIS AS THEY ACCUMULATE. DO NOT PERMIT PRESENCE OF DEBRIS TO DELAY PROGRESS OF RELATED WORK.
		d. REMOVE MATERIALS IN A MANNER TO PREVENT SPILLAGE.e. NOTHING TO BE REMOVED FROM SITE SHALL BE STORED, SOLD, BURNED, OR BURIED ON SITE.
MOLITION AREA (PCB) OR OTHER TOXIC	0216.	REPAIRS AND CLEANING a. PROMPTLY REPAIR DAMAGE TO ADJACENT CONSTRUCTION CAUSED BY DEMOLITION
R SHALL IMMEDIATELY WNER AND ARCHITECT.		 a. PROMPTLY REPAIR DAMAGE TO ADJACENT CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS. b. WHERE REPAIRS TO EXISTING SURFACES ARE REQUIRED, PATCH TO RESTORE SURFACE TO
FOR THE PRESENCE OF SUBSTANCE.		 ORIGINAL OR BETTER CONDITION. c. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND RESTORATION INTO ADJOINING
JTED MATERIAL IS ERED HARMLESS AND AND DISPOSAL OF		 CONSTRUCTION IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING. CLEANING
and disposal of		I. CLEAN ADJACENT IMPROVEMENTS SCHEDULED TO REMAIN OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING
FRANT IS TO BE		BEFORE BUILDING DEMOLITION OPERATIONS BEGAN.
'S. OR CERTIFYING THAT THE		
DJACENT TO AREAS OF		
(ITS, STAIRS, CORRIDORS,		
IONS. TRUCTING DRIVES,		
EED FOR DISRUPTION OF		
ON ACTIVITIES THAT WILL		
ROTECT THEM AGAINST		
INTIL PROPERLY		
ATE TEMPORARY /ING JURISDICTION.		
JURISDICTION FOR ANY SIDEWALKS, ETC.		



NOTE

REFER TO THE STRUCTURAL DRAWINGS, AS PREPARED BY BETTS STRUCTURAL ENGINEERING, LLC, FOR ADDITIONAL STRUCTURAL SPECIFICATIONS AND INFORMATION. WHERE THOSE STRUCTURAL REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT SHALL APPLY.

0300. THIS SECTION SUMMARIZES THE REQUIREMENTS AND PROVISIONS FOR THE PREPARATION AND PLACEMENT OF CAST-IN-PLACE CONCRETE. a. FOOTINGS

- b. PIERS
- c. THICKENED SLABS
- d. SLABS-ON-GRADE e. INTERIOR EQUIPMENT AND OTHER SPECIALTY PADS
- f. SLABS-ON-DECK
- . POURED-IN-PLACE WALLS
- h. NON-SHRINK GROUT. I. TERMITE SOIL TREATMENT.

0301. PROVIDE SUBMITTAL IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS.

- a. CONCRETE MIX DESIGNS FOR CLASSES I, II, III AND IV. b. STEEL REINFORCING SHOP DRAWINGS
- c. LIQUID MEMBRANE-FORMING COMPOUND.
- d. ADMIXTURES

e. LABORATORY REPORTS FOR CONCRETE MATERIALS AND MIX DESIGN TESTING. F. CERTIFICATION FROM ADMIXTURE MANUFACTURER(S) THAT CHLORIDE CONTENT CONFORMS WITH GENERAL NOTES SECTION REQUIREMENTS.

0302. REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION

- a. DIVISIONS OO AND OI OF THESE GENERAL NOTES. b. SPECIFICATIONS IN ALL DIVISIONS OF THESE GENERAL NOTES ARE DIRECTLY APPLICABLE TO THIS SECTION AND THIS SECTION IS DIRECTLY APPLICABLE TO THEM.
- c. INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE (ICC/ANSI):
- . ICC/ANSI IIT.I, GUIDELINES FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- d. AMERICAN CONCRETE INSTITUTE (ACI): ACI 117, SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS
- 2. ACI 201, GUIDE TO DURABLE CONCRETE 3. ACI 212, REPORT ON CHEMICAL ADMIXTURE FOR CONCRETE
- 4. ACI 222R, PROTECTION OF METALS IN CONCRETE AGAINST CORROSION
- 5. ACI 224, JOINTS IN CONCRETE CONSTRUCTION
- 6. ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE
- 1. ACI 302, GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION 8. ACI 304R, GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE
- 9. ACI 305R, GUIDE AND STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING
- IO. ACI 306R, GUIDE AND STANDARD SPECIFICAITON FOR COLD WEATHER CONCRETING
- II. ACI 308R, GUIDE TO CURING CONCRETE
- 12. ACI 308.1, SPECIFICATION FOR CURING CONCRETE 13. ACI 311.6, SPECIFCIATION FOR READY MIX CONCRETE TESTING SERVICES
- 14. ACI 311.7, INSPECTRION SERVICES SPECIFICATION FOR CAST-N-PLACE CONCRETE CONSTRUCTION
- 15. ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- 16. ACI 34TR, GUIDE TO FORMWORK FOR CONCRETE
- e. AMERICAN WELDING SOCIETY (AWS):
- AWS DI.I, STRUCTURAL WELDING CODE FOR REINFORCING STEEL F. CONCRETE REINFORCING STEEL INSTITUTE (CRSI):
- MANUAL OF STANDARD PRACTICE
- 2. PLACING REINFORCING BARS
- q. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
- NFPA 70, NATIONAL ELECTRIC CODE h. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM):
- ASTM A615, STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON-STEEL BARS FOR CONCRETE REINFORCEMENT
- 2. ASTM A853, STANDARD SPECIFICATION FOR STEEL WIRE, CARBON, FOR GENERAL USE
- 3. ASTM A1064, STANDARD SPECIFICATION FOR CARBON-STEEL WIRE AND WELDED WIRE REINFORCEMENT, PLAIN AND DEFORMED, FOR CONCRETE
- 4. ASTM C3I, STANDARD PRACTICE FOR MAKING AND CURING CONCRETE TEST SPECIMENS IN THE
- 5. ASTM C33, STANDARD SPECIFICATION FOR CONCRETE AGGREGATE
- 6. ASTM C39, STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL
- CONCRETE SPECIMENS 1. ASTM C94, STANDARD SPECIFICATION FOR READY-MIX CONCRETE
- 8. ASTM CI43, STANDARD TEST METHOD FOR SLUMP OF HYDRAULIC CEMENT CONCRETE
- 4. ASTM CI50, STANDARD SPECIFICATION FOR PORTLAND CEMENT
- IO. ASTM CITIL STANDARD SPECIFICATION FOR SHEET MATERIAL FOR CURING CONCRETE II. ASTM C330, STANDARD SPECIFICATION FOR LIGHTWEIGHT AGGREGATES FOR STRUCTURAL CONCRETE
- 12. ASTM C470, STANDARD SPECIFICATION FOR MOLDS FOR FORMING CONCRETE TEST CYLINDERS
- VERTICALLY 13. ASTM C494, STANDARD SPECIFICATION FOR CHEMICAL ASMIXTURES FOR CONCRETE
- 14. ASTM CTT8, STANDARD SPECIFICATION FOR STANDARD SAND
- 15. ASTM C881, STANDARD SPECIFICATION FOR EPOXY-RESIN-BASED BONDING SYSTEMS FOR CONCRETE
- 16. ASTM CI059, STANDARD SPECIFICATION FOR LATEX AGENTS FOR BONDING FRESH TO
- HARDENED CONCRETE 17. ASTM CI315, STANDARD SPECIFICATION FOR LIQUID MEMBRANE-FORMING COMPOUNDS HAVING SPECIAL PROPERTIES FOR CURING AND SEALING CONCRETE
- 18. ASTM C1582, STANDARD SPECIFICATION FOR ADMIXTURES TO INHIBIT CHLORIDE-INDUCED
- CORROSION OF REINFORCING STEEL IN CONCRETE
- 19. ASTM CI602, STANDARD SPECIFICATION FOR MIXING WATER USED IN THE PRODUCTION OF HYDRAULIC CEMENT CONCRETE
- 20.ASTM CI697, STANDARD SPECIFICATION FOR BLENDED SUPPLEMENTARY CEMENTITIOUS MATERIALS
- 21. ASTM DI751, STANDARD SPECIFICATION FOR PREFORMED EXPANSION JOINT FILLER 22.ASTM D2940, STANDARD SPECIFICATION FOR GRADED AGGREGATE MATERIAL FOR SUBBASES
- 23. ASTM EI155, STANDARD TEST METHOD FOR DETERMINING F(f) FLOOR FLATNESS AND F(1) FLOOR
- LEVELNESS NUMBERS 24.ASTM EI543, STANDARD PRACTICE FOR INSTALLATION OF WATER VAPOR RETARDERS USED IN
- CONTACT WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLABS 25. ASTM EI745, STANDARD SPECIFICATION FOR WATER VAPOR RETARDERS USED IN CONTACT
- WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLABS

0303. OTHER PROJECT REFERENCES

- a. REFERENCE THE STRUCTURAL ENGINEER'S DRAWINGS FOR GENERAL NOTES SPECIFIC FOR THIS PRO. FCT. REFERENCE DIVISION 31 OF THESE GENERAL NOTES FOR SUBBASE MATERIAL AND DIVISION 32
- OF THESE GENERAL NOTES FOR SITE CONCRETE REQUIREMENTS.

0304. STRUCTURAL CONCRETE

a. VERIFY ALL REQUIREMENTS WITH THE INFORMATION INDICATED ON THE STRUCTURAL DRAWINGS.

		(CAST-IN-PLA	CE CONCRETE			0311.	TOLERANCES a. TOLERANCES SHALL IN C
LOCATION	CLASS	fc (PSI)	MIN. CEMENT (LBS.)	MIN. AIR CONTENT	MAX. WC RATIO	NOTES		 b. UNLESS OTHERWISE INDIC SUBSTRATE FOR FLOOR
FOOTINGS	Ι	3,000	517	ENTRAPPED	0.50			OF 1/8 INCH IN A TEN (10)
INTERIOR SLAB ON GRADE	Ш	3,500	540	ENTRAPPED	0.45		0312.	
EXTERIOR SLABS ON GRADE/APRONS	II	4,000	564	5% +/- 1%	0.47			 a. COMPLY WITH THE REQUIRE b. PROTECT WORK FROM PHN FROST, FREEZING ACTIONS
BACKFILL BELOW FOOTINGS AND/OR SLABS	IV	1,500	200	ENTRAPPED	0.50		0313.	c. DO NOT PLACE CONCRETE HOT WEATHER PLACEMENT
								a. COMPLY WITH THE REQUIRI

- b. PROVIDE "LEAN CONCRETE" (CLASS IV) BELOW "OVER EXCAVATIONS", SOFT AREAS, ETC.
- REFERENCE THE DRAWINGS FOR SPECIFIC LOAD INFORMATION.
- d. WATER/CEMENT RATIO: IF SUITABLE DATA FROM FIELD EXPERIENCE OR LABORATORY TRIAL BATCHES CANNOT BE OBTAINED, CONCRETE PORTIONS SHALL BE ESTABLISHED UTILIZING THE "WATER CEMENT RATIO LIMITS TABLE" AND LIMIT RESTRICTIONS OF ACI 301.

0305. READY-MIX QUALIFICATIONS

a. A FIRM EXPERIENCED IN MANUFACTUREING READY-MIX CONCRETE PRODUCTS AND COMPLIES WITH ASTM C94 REQUIREMENTS FOR PRODUCTION FACILITIES AND EQUIPMENT.

- b. CERTIFIED ACCORDING TO NATIONAL READY MIX CONCRETE ASSOCIATION'S (NRMCA) "CERTIFICATION OF READY-MIX CONCRETE PRODUCTION FACILITIES"
- 0306. ADMIXTURE MANUFACTURER QUALIFICATIONS
- a. A FIRM EXPERIENCED IN MANUFACTURING CHEMICAL ADMIXTURES FOR CONCRETE IN COMPLIANCE WITH ASTM C494.

- a. AN INDEPENDENT AGENCY QUALIFIED ACCORDING TO ASTM CIOTT AND ASTM INDICATED
- b. PERSON CONDUCTING FIELD TESTS SHALL BE QUALIFIED AS AN ACI CONCRET TECHNICIAN, GRADE I, ACCORDING TO ACI CP-OI, OR AN EQUIVALENT CERTIF
- PERSON PERFORMING LABORATORY TESTS SHALL BE AN ACI CERTIFIED COI
- TESTING TECHNICIAN AND CONCRETE LABORATORY TESTING TECHNICIAN, GRA d. TESTING AGENCY LABORATORY SUPERVISOR SHALL BE AN ACI CERTIFIED CA
- LABORATORY TESTING TECHNICIAN, GRADE II.

- b. CONCRETE I. PORTLAND CEMENT: ASTM CI50, TYPE I.
- 2. FLY ASH IN ACCORDANCE WITH ASTM C618; CLASS C.
- 3. NORMAL WEIGHT AGGREGATES: CLEAN, FINE AND COURSE, COMPLYING M INCH, I INCH OR 3/4 INCH; FROM ONE SOURCE; USE OF PIT OR BANK-RUN GI PERMITTED.
- 4. LIGHTWEIGHT AGGREGATES: COMPLYING WITH ASTM C330; I INCH, 3/4 INCH
- INCH; FROM ONE SOURCE. 5. POTABLE WATER: COMPLYING WITH ASTM CI602 AND ASTM CI603. c. ADMIXTURES SHALL CONTAIN CORROSION INHIBITORS
- WATER-REDUCING: ASTM C494, TYPE A.

EIGHT INCHES MAXIMUM AFTER FIELD ADDITION OF THE SUPER PLASTICIZER. e. ADDING WATER TO THE MIX IN ORDER TO CORRECT SLUMP IS PROHIBITED.

- . RETARDING: ASTM C494, TYPE B.
- 3. WATER-REDUCING ACCELERATOR: ASTM C494, TYPE E. 4 WATER-REDUCING RETARDER: AGTM C494 TYPE D
- 5. WATER-REDUCING RETARDING HIGH RANGE ADMIXTURE: ASTM C494, TYP
- 6. WATER-REDUCING HIGH RANGE ADMIXTURE: ASTM C494, TYPE F. 1. USE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS 7
- d. DEFORMED REINFORCING BARS: ASTM A615, GRADE 60. I. SIZES, SHAPES AND LOCATIONS AS INDICATED ON THE STRUCTURAL DRAW
- 2. FOOTING CORNER BARS: MATCH HORIZONTAL REINFORCING; MINIMUM LENG SHALL BE 45 BAR DIAMETERS. 3. PROVIDE REINFORCING BAR ALIGNMENT DEVICES AT A MAXIMUM SPACING
- DIAMETERS. 4. AT SPLICES IN VERTICAL REINFORCING BARS, PROVIDE MECHANICAL COL
- DIAMETER LAP OF SAME SIZE REINFORCING BAR.
- e. ANSI/UL 465 GROUNDING CLAMP(S) FOR CONCRETE-ENCASED GROUNDING ELI ELECTRICAL SYSTEMS IN ACCORDANCE WITH NEC ARTICLE 250, III. FIBRIELATED POLYPROPYLENE FIBER.
- . USED WHERE WELDED WIRE FABRIC IS NON-STRUCTURAL OR AS A REPLACE NON-STRUCTURAL WELDED WIRE FABRIC 2. QUANTITY AND LENGTH RECOMMENDED BY THE MANUFACTURER FOR THE

	 TESTING AGENCY QUALIFICATIONS AN INDEPENDENT AGENCY QUALIFIED ACCORDING TO ASTM CIOTT AND ASTM E329 FOR TESTING INDICATED. PERSON CONDUCTING FIELD TESTS SHALL BE QUALIFIED AS AN ACI CONCRETE FIELD TESTING TECHNICIAN, GRADE I, ACCORDING TO ACI CP-OI, OR AN EQUIVALENT CERTIFICATION PROGRAM. PERSON PERFORMING LABORATORY TESTS SHALL BE AN ACI CERTIFIED CONCRETE STRENGTH TESTING TECHNICIAN AND CONCRETE LABORATORY TESTING TECHNICIAN, GRADE I. TESTING AGENCY LABORATORY SUPERVISOR SHALL BE AN ACI CERTIFIED CONCRETE LABORATORY TESTING TECHNICIAN, GRADE I. MATERIALS: VERIEX ALL PEQUIPEMENTS WITH THE INFORMATION UNDICATED ON THE STRUCTURAL DRAWINGG 	 O3I5. CONCRETE FINISH AND TOLERANCE a. IN COMPLIANCE WITH ASTM F710, ACI 117, ACI 302, ICC/ANSI 117.1, ANSI 108.01 AND TESTED IN ACCORDANCE WITH ASTM F710, ACI 117, ACI 302, ICC/ANSI 117.1, ANSI 108.01 AND TESTED IN ACCORDANCE WITH ASTM EI155. b. STAIN OR NO COVERING: STEEL TROWEL FINISH; CLASS A TOLERANCE. c. RESILIENT FLOOR COVERING: STEEL TROWEL FINISH; CLASS A TOLERANCE. d. CARPET: STEEL TROWEL FINISH; CLASS A TOLERANCE. e. QUARRY TILE: FLOAT FINISH; CLASS B TOLERANCE. f. NOT USED: g. SPECIFIED OVERALL VALUE: F(f)35/F(1)25; VERIFY WITH FLOOR-COVERING MANUFACTURER. h. MINIMUM LOCAL VALUE: FLAT; 3/5 OF SPECIFIED OVERALL VALUE. I. FLOOR SURFACE CLASSIFICATION USING MANUAL STRAIGHTEDGE METHOD 	0324. ITEMS a. II E I. 2 3 3 4 5 0325. FORM
5	 a. VERIFY ALL REQUIREMENTS WITH THE INFORMATION INDICATED ON THE STRUGTURAL DRAWINGS. b. CONCRETE PORTLAND CEMENT: ASTM CISO, TYPE I. FLY ASH IN ACCORDANCE WITH ASTM C60; CLASS C. NORMAL WEIGHT AGGREGATES: CLEAN, FINE AND COURSE, COMPLYING WITH ASTM C 33; I-1/2 INCH, INCH OR 3/4 INCH, FROM ONE SOURCE, USE OF PIT OR BANK-RUN GRAVEL IS NOT PERMITTED. LIGHTWEIGHT AGGREGATES: COMPLYING WITH ASTM C330; I INCH, 3/4 INCH, 1/2 INCH OR 3/8 INCH, FROM ONE SOURCE. POTABLE WATER: COMPLYING WITH ASTM C1602 AND ASTM C1603. ADMINITURES SINLL CONTAIN CORRESION INVENTORS MATER REDUCING: ASTM C414, TYPE A. RETARDING: ASTM C414, TYPE A. RETARDING: ASTM C414, TYPE B. MATER REDUCING ACCELERATOR: ASTM C414, TYPE F. MATER REDUCING ACCELERATOR: ASTM C414, TYPE F. MATER REDUCING RETARDING HIGH RANGE ADMIXTURE: ASTM C414, TYPE F. MATER REDUCING RETARDING HIGH RANGE ADMIXTURE: ASTM C414, TYPE F. MATER REDUCING ETARDING HIGH RANGE ADMIXTURE: ASTM C414, TYPE F. MATER REDUCING BARS: ASTM A615, GRADE 60. SIZE, SHAPES AND LOCATIONS AS INDICATED ON THE STRUCTURAL DRAWINGS. FOOTING CORNER BARS: MATCH HORIZONTAL REINFORCING; MINIMUM LENGTH OF EACH LEG SHALL BE 45 BAR DIANETERS. FROVIDE REINFORCING BAR ALIGNMENT DEVICES AT A MAXIMUM SPACING OF 142 BAR DIAMETERS. FROVIDE REINFORCING BAR ALIGNMENT DEVICES AT A MAXIMUM SPACING OF 142 BAR DIAMETERS. A. AT SPLICES IN VERTICAL REINFORCING BARS, PROVIDE MECHANICAL COUPLERS OR 48 BAR DIAMETER LAP OF SAME SIZE REINFORCING BAR. ANSIML 455 GROUNDING CLAMP(5) FOR CONCRETE-ENCASED GROUNDING ELECTRODES FOR ELECTRICAL SYSTEMS IN ACCOMPLENCE WITH NEC ARTICLE 250, III. FIBRILLATED POLYPROPYLENE FIBER. USED WIREF ABERC CORDANCE WITH NEC ARTICLE 250, III. FIBRILLATED POLYPROPYLENE FIBER. MANUFER WELEDED WIRE FABRIC. MANUFER WELEDED WIRE FABRIC. MANUFER WELEDE	 MAXIMUM GAP, 40 PERCENT COMPLIANCE, SAMPLES NOT TO EXCEED: FLAT; 1/4 INCH. MAXIMUM GAP, 100 PERCENT COMPLIANCE, SAMPLES NOT TO EXCEED: FLAT; 3/6 INCH CONSTRUCTION JOINTS ARE PERMITTED ONLY WHERE INDICATED, DETAILED AND AS APPROVED BY THE STRUCTURAL ENGINEER, ALL CONSTRUCTION JOINTS SHALL BE REINFORCED AND KEYMAY. LOCATE AND INSTALL CONSTRUCTION JOINTS, WHICH ARE NOT SHALL BE REINFORCED AND KEYMAY. LOCATE AND INSTALL CONSTRUCTION JOINTS, WHICH ARE NOT SHOWN ON THE DRAWINGS, SO AS NOT TO IMPAIR THE STRENGTH AND APPEARANCE OF THE STRUCTURE AS ACCEPTABLE TO OWNER'S REPRESENTATIVE. PLACE CONSTRUCTION JOINTS AT THE BND OF POURS AND AT LOCATIONS WHERE PLACEMENT OPERATIONS ARE STOPPED FOR A PERIOD OF MORE THIRTY (30) MINITES EXCEPT WHERE SUCH POURS TERMINATE AT EXPANSION JOINTS. USE STANDARD METAL KEYMAY SECTION FORM. PROVIDE KEYMAYS AT LEAST 1-/2 INCH DEEP IN CONSTRUCTION JOINTS IN SLABS. LOCATE CONSTRUCTION JOINTS IN SLABS-ON-GROUND, SO AS TO DIVIDE INTO AREAS NOT IN EXCEED OF 4,000 SO, FT, (MAXIMUM DISTANCE OF TS FEET IN OWE DIRECTION), UNLESS OTHERWISE ACCEPTED BY THE OWNER'S REPRESENTATIVE. CONFORM TO SLAB PLACEMENT DIAGRAMS OR PATTERN LAYOUTS FOR PLACEMENT, WHERE SHOWN. EXPANSION JOINTS PROVIDE PRE-MOLDED JOINT FILLER FOR EXPANSION JOINTS ABUTTING CONCRETE CURBS (EXCEPT) IN INTEGRAL WORK AND CURB), CATCH BASINS, MANHOLES, INLETS, STRUCTURES, AND OTHER FIXED OBJECTS. SET AND SECURE CONTINUOUS EXPANSION JOINTS WHERE EDGE OF SLAB ABUTS VERTICAL SURFACES. LOCATE EXPANSION JOINTS AT 30 FEET 0.C. FOR WALKS AND CURBS, UNLESS OTHERWISE SHOWN. RURNISH JOINT FILLERS IN ONE-PIECE, EXTEND JOINT FILLERS FUL-MIDTH AND DEPTH OF JOINT, FLUSH WITH FINISHED SURFACE. CONTROL/CONTRACTION JOINTS IN SLABS-ON-GRADE PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE PROVIDE MAXIMUM THING DEMERSON THERE. USE INSERTS 1/S TO 1/4 OF	0326. CONC a. PR PE b. ST AF c. BE c. BE c. D 0327. NON-9 a. F b. I c. CU 0327. NON-9 c. CU
L.	 STEEL WIRE: ASTM A82. BAR AND WELDED WIRE FABRIC SUPPORTS: BOLSTERS, CHAIRS, SPACERS AND OTHER DEVICES FOR SPACING, SUPPORTING AND FASTENING REINFORCEMENT IN PLACE. MANUFACTURED FROM STEEL, WIRE, PLASTIC OR PRECAST CONCRETE THAT IS OF GREATER COMPRESSION STRENGTH THAN THE CONCRETE. IN COMPLIANCE WITH CRSI RECOMMENDATIONS. WATER-STOP: CONTINUOUS, FLEXIBLE RUBBER WITH FACTORY INSTALLED METAL EYELETS; COMPLY WITH CE CRD-C513; SIZE 9 INCHES BY 3/8 INCHES THICKNESS; PROTECT FROM RELEASE AGENTS: MANUFACTURER: GREENSTREAK VAPOR BARRIER: REFERENCE DIVISION OT OF THESE GENERAL NOTES. EXPANSION AND ISOLATION JOINT FILLER: ASPHALT SATURATED CELLULOSIC FIBER IN COMPLIANCE WITH ASTM DIT5I; WITH REMOVABLE CAP FOR SEALANT PLACEMENT. SEALANT: REFERENCE DIVISION OT OF THE GENERAL NOTES. CURE AND SEAL: REFERENCE THIS DIVISION OF THE GENERAL NOTES. ALL REINFORCEMENT SHALL BE FREE OF OIL, SCALE, DIRT, RUST AND OTHER DEBRIS THAT WOULD REDUCE OR DESTROY BOND WITH THE CONCRETE. 	 CARRY THE MACHINE WEIGHT WITHOUT CAUSING SURFACE BLEMISHES. O317. FINISH OF FORMED SURFACES a. ROUGH FORM FINISH (RFFm-FN): FOR FORMED CONCRETE SURFACES NOT EXPOSED-TO-VIEW IN THE FINISH WORK OR BY OTHER CONSTRUCTION, UNLESS OTHERWISE SHOWN OR SPECIFIED. b. SMOOTH FORM FINISH (SmFm-Fn): FOR FORMED CONCRETE SURFACES NOT EXPOSED-TO-VIEW OR THAT ARE TO BE COVERED WITH A COATING MATERIAL APPLIED DIRECTLY EXPANSION JOINTS I. PROVIDE PRE-MOLDED JOINT FILLER FOR EXPANSION JOINTS ABUTTING CONCRETE CURBS (EXCEPT) IN INTEGRAL WORK AND CURB), CATCH BASINS, MANHOLES, INLETS, STRUCTURES, AND OTHER FIXED OBJECTS. 2. SET AND SECURE CONTINUOUS EXPANSION JOINTS WHERE EDGE OF SLAB ABUTS VERTICAL SURFACES. 3. LOCATE EXPANSION JOINTS AT 30 FEET O.C. FOR WALKS AND CURBS, UNLESS OTHERWISE SHOWN. 4. FURNISH JOINT FILLERS IN ONE-PIECE. EXTEND JOINT FILLERS FUL-WIDTH AND DEPTH OF JOINT, FLUSH WITH FINISHED SURFACE. 	e. (
5	 CONCRETE MIXING COMPLY MITH THE REQUIREMENTS OF ASTM C44 AND ACI 304R. WHEN AMBIENT AIR TEMPERATURE IS BETWEEN 85 DEGREE F AND 40 DEGREES F, REDUCE MIXING AND DELIVERY TIME FROM I-1/2 HOURS TO 75 MINUTES. WHEN AMBIENT AIR TEMPERATURE IS ABOVE 40 DEGREES F, REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES. WHEN AMBIENT AIR TEMPERATURE HAS FALLEN, OR IS EXPECTED TO FALL BELOW 40 DEGREES F, AND BEFORE MIXING, UNIFORMLY HEAT WATER AND AGGREGATES AS REQUIRED TO OBTAIN A CONCRETE MIXING, UNIFORMLY HEAT WATER AND AGGREGATES AS REQUIRED TO OBTAIN A CONCRETE MIXING TEMPERATURE OF NOT LESS THAN 50 DEGREES F AND NOT MORE THAN 80 DEGREES F AT POINT OF PLACEMENT. DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE, FROST OR SNOW. DO NOT USE CALCIUM CHLORIDE, SALT OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS. DO NOT USE SET-CONTROL ADMIXTURES UNLESS OTHERWISE ACCEPTED IN MIX DESIGN. DELETE THE REFERENCES FOR ALLOWING ADDITIONAL WATER TO BE ADDED TO THE BATCH FOR MATERIALS WITH INSUFFICIENT SLUMP. READY-MIX SUPPLIER IS TO PROVIDE A BATCH TICKET FOR EACH LOAD TO THE INDEPENDENT TESTING AGENCY FIELD TECHNICIAN AT THE TIME OF DELIVERY. DO NOT CHANGE SOURCE OF READY-MIX DURING THE COURSE OF THE WORK. 	 IN COMPLIANCE WITH ASTM C304, TTPE T AND ID, CLASS A. I. MANUFACTURERS: a) KUREZ W VOX; EUCLID CHEMICAL CO. b) KURE-N-SEAL WB; SONNEBORN BUILDING PRODUCTS. c) I300-CLEAR; W.R. MEADOWS. 2. APPLICATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. 3. VERIFY COMPATIBILITY WITH MOISTURE BARRIERS, LINE MARKING TAPE OR PAINT AND SEALANTS SPECIFIED IN OTHER DIVISIONS OF THESE GENERAL NOTES. b. FOR INTERIOR SLABS SCHEDULED TO RECEIVE FLOOR COVERINGS, PROVIDE A NON-PIGMENTED, VOC COMPLIANT, LIQUID MEMBRANE CURING COMPOUND. COMPOUND SHALL BE IN COMPLIANCE WITH ASTM CI3I5, TYPE I OR ID, CLASS A. 	5 h. P F 0328. TERMI a. F F I. b. T T c. U
<i>0</i> 3k	 D. CAST-IN-PLACE CONCRETE WORK a. DESIGN, CONSTRUCT, ERECT, MAINTAIN AND REMOVE FORMS AND RELATED STRUCTURES FOR CAST-IN-PLACE CONCRETE WORK IN COMPLIANCE WITH ACI 347. b. CONCRETE TREADS, TREAD NOSING AND RISERS SHALL BE IN COMPLIANCE WITH ICC AII7.I. c. PROVIDE CONCRETE PUMPING SERVICES FOR CONSTRUCTABILITY. d. FORMWORK SHALL SUPPORT VERTICAL, LATERAL, STATIC AND DYNAMIC LOADS THAT MIGHT BE APPLIED UNTIL CONCRETE STRUCTURE CAN SUPPORT SUCH LOADS. I. CONSTRUCT FORMWORK SO CONCRETE MEMBERS AND STRUCTURES ARE OF CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION, AND POSITION. MAINTAIN FORM-WORK CONSTRUCTION TOLERANCES. e. MATERIALS 	SEALANTS SPECIFIED IN OTHER DIVISIONS OF THESE GENERAL NOTES. O319. SEALING COMPOUNDS a. PROVIDE, FOR EXTERIOR PAVING, TRANSPARENT LIQUID SEALING COMPOUND FORMULATED WITH SILOCANATE. COVERAGE RATE AS RECOMMENDED BY THE MANUFACTURER. I. MANUFACTURERS: a) V-SEAL CONCRETE SEALERS: 102 b) CONCRETE SEALERS USA: PSIO2. c) REUSE CONCRETE SEALING SPECIALISTS: SEALGREEN. O320. CONCRETE FINISHES	d.
l	 SMOOTH CONCRETE: FORM FACING PANELS SHALL PROVIDE TRUE, CONTINUOUS SMOOTH SURFACE; LARGEST PRACTICAL SIZE TO MINIMIZE JOINTS. ROUGH CONCRETE: PLYWOOD, LUMBER, METAL OR OTHER APPROVED MATERIAL CYLINDRICAL COLUMNS, PIERS, OTHER SUPPORTS: METAL, GLASS FIBER REINFORCED PLASTIC, PAPER OR FIBER TUBES; OF SUFFICIENT THICKNESS TO RESIST CONCRETE LOADS WITHOUT DEFORMATION. CHAMFER STRIPS: METAL, LUMBER, PVC OR RUBBER; MINIMUM SIZE 3/4 INCHES BY 3/4 INCHES. FORM RELEASE AGENT COMMERCIALLY FORMULATED MATERIAL THAT WILL NOT BOND WITH, STAIN OR ADVERSELY AFFECT CONCRETE SURFACES NOR AFFECT SUBSEQUENT TREATMENTS OF CONCRETE SURFACES THE RELEASE AGENT SHALL INCLUDE RUST INHIBITING AGENTS WHEN USED ON METAL FORMS. COAT CONTACT SURFACES OF FORM-WORK BEFORE PLACING REINFORCEMENT. 	 a. PROVIDE THE FOLLOWING FINISHES: FLOAT FINISH FOR AREAS TO RECEIVE CERAMIC AND QUARRY TILE, CLASS B TOLERANCE. TROWELED FINISH FOR FLOORS INTENDED FOR RECEPTION OF RESILIENT AND CARPET FLOOR COVERINGS, CLASS A TOLERANCE. BROOM FINISH FOR EXTERIOR SLABS AND SIDEWALKS, CLASS B TOLERANCE WITH TOOLED JOINTS AND EDGES WITH RIDGES NOT TO EXCEED 1/8 INCH. AT CONTRACTOR'S OPTION "SAW-CUT" JOINTS WILL BE ACCEPTABLE. NON-SLIP FINISH FOR STAIR TREADS, RAMPS (INTERIOR AND EXTERIOR) AND ELSEWHERE AS NOTED. EXPOSED CONCRETE WALLS NOT SCHEDULED FOR OTHER FINISHES SUCH AS BRICK VENEER, EIFS AND/OR STUCCO ARE TO BE PATCHED AND RUBBED FOR A DURABLE, UNIFORM AND SMOOTH APPEARANCE. PREPARE INTERIOR EXPOSED CONCRETE WALLS FOR PAINT IN LOCATIONS INDICATED ON THE DRAWINGS AS SPECIFIED BY THE PAINT / COATING MANUFACTURER. 	0329. CONC a. l
-	 TOLERANCES a. TOLERANCES SHALL IN COMPLIANCE WITH ACI IIT, ICC/ANSI IIT.I AND FLOOR COVERING MANUFACTURER. b. UNLESS OTHERWISE INDICATED OR SPECIFIED BY THE FLOOR COVERING MANUFACTURER, THE SUBSTRATE FOR FLOOR COVERINGS SHALL BE STEEL TROWELED AND LEVEL TO A TOLERANCE OF 1/8 INCH IN A TEN (10) FOOT RADIUS. 2. COLD WEATHER PLACEMENT a. COMPLY WITH THE REQUIREMENTS OF ACI 306. 	 O321. PROTECTION a. PROVIDE AND MAINTAIN COVERING MATERIAL OVER ROUGH AND FINISH GRADES THAT PROTECT, AGAINST STAINING DUE TO SPLASH-UP ON CONCRETE SURFACES THAT REMAIN EXPOSED AT THE COMPLETION OF THE WORK. O322. CONCRETE SURFACE REPAIRS a. PATCHING DEFECTIVE AREAS: REPAIR AND PATCH DEFECTIVE AREAS WITH CEMENT MORTAR IMMEDIATELY AFTER REMOVAL OF FORMS, BUT ONLY WHEN ACCEPTABLE TO THE OWNER OR OWNER'S REPRESENTATIVE. 	
J	 b. PROTECT MORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS OR LOW TEMPERATURES. c. DO NOT PLACE CONCRETE ON FROZEN SUBSTRATE OR SUBBASE COURSE. 8. HOT WEATHER PLACEMENT a. COMPLY WITH THE REQUIREMENTS OF ACI 305. b. COOL INGREDIENTS BELOW 90 DEGREES F BEFORE MIXING TO MAINTAIN CONCRETE TEMPERATURES AT TIME OF PLACEMENT. c. MIXING WATER MAY BE CHILLED OR CHIPPED ICE MAY BE USED TO CONTROL THE CONCRETE TEMPERATURE PROVIDED THE WATER EQUIVALENT OF THE ICE IS CALCULATED IN THE TOTAL AMOUNT OF MIXING WATER. d. COVER REINFORCING STEEL WITH WATER-SOAKED BURLAP IF IT BECOMES TOO HOT. THE STEEL TEMPERATURE SHALL NOT EXCEED THE AMBIENT AIR TEMPERATURE IMMEDIATELY BEFORE EMBEDMENT IN CONCRETE. e. THOROUGHLY WET FORMS BEFORE PLACING CONCRETE. f. DO NOT USE RETARDING ADMIXTURES UNLESS OTHERWISE ACCEPTED IN MIX DESIGN. 8. SLUMP LIMITS: PROPORTION AND DESIGN MIXES TO RESULT IN CONCRETE SLUMP AT POINT OF PLACEMENT. a. RAMPS AND SLOPING SURFACES: NOT MORE THAN THREE INCHES. b. SLABS-ON-GRADE: NOT LESS THAN ONE INCH, AND NOT MORE THAN THREE INCHES. c. OTHER CONCRETE: NOT LESS THAN ONE INCH, AND NOT MORE THAN FOUR INCHES. 	 ONNER'S REPRESENTATIVE. O323. STEEL REINFORCEMENT a. CODE COMPLIANCE i. STEEL REINFORCED CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF CHAPTERS 16 AND 19, OBC, ACI 318 AND THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) HANDBOOK. b. GROUND AND BOND STEEL REINFORCEMENT IN ACCORDANCE WITH NEPA TO FOR THE BUILDING'S ELECTRICAL SERVICE, USE ANSI/UL 467 GROUNDING CLAMP(5) FOR CONCRETE-ENCASED GROUNDING ELECTRODES IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) ARTICLE 250, III. c. UNLESS OTHERWISE SPECIFIED, INSTALL REINFORCING TO PROVIDE MINIMUM CONCRETE COVER AS SPECIFIED IN ACI 318. i. CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH: 3 INCHES. i. NO. 6 THROUGH NO. 8 EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: 2 INCHES i. NO. 5, WBI WIRE, DBI WIRE OR SMALLER EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: I-1/2 INCHES. 4. NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: 0 NO. 16 IN SLABS, JOISTS AND WALLS: 1-1/2 INCHES. i. NO. 14 AND NO. 18 IN SLABS, JOISTS AND WALLS: 3/4 INCHES. j. NO. II AND SMALLER IN SLABS, JOISTS AND WALLS: 3/4 INCHES. j. ALL REINFORCEMENT, STIRRUPS, TIES, SPIRALS AND HOOPS IN BEAMS, COLUMNS, PEDESTALS AND TENSION TIES: 1-1/2 INCHES. 	

MS FURNISHED UNDER OTHER DIVISIONS

- INSTALL ITEMS FURNISHED UNDER OTHER DIVISIONS OF THE GENERAL NOT BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING: . SLEEVES FOR PIPE CHASES, PLUMBING PIPING, FIRE SUPPRESSION PIP
- CONDUITS, CABLES, LOW-VOLTAGE WIRING AND HVAC DUCTING AND I 2. ANCHOR BOLTS AND OTHER HOLD-DOWN DEVICES.
- 3. EMBEDS FOR STRUCTURAL STEEL WORK.
- 4. EMBEDS FOR COLD-FORMED METAL JOIST FRAMING WORK.

5. HOLLOW METAL FRAMES.

RMED OPENINGS FOR ITEMS FURNISHED UNDER OTHER DIVISIONS PROVIDE CONCRETE FORMED OPENINGS FOR ITEMS FURNISHED UNDER O" GENERAL NOTES. WORK INCLUDES, BUT NOT NECESSARILY LIMITED TO, TH HVAC DUCTING AND PIPING

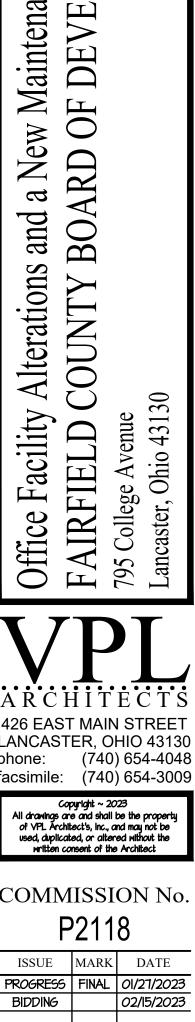
- 2. STEEL COLUMNS.
- 3. STEEL BEAMS.
- 4. ELECTRICAL CONDUIT. 5. CABLES
- 6. LOW-VOLTAGE WIRING
- 7. PLUMBING PIPING.
- 8 FIRE SUPPRESSION PIPING 9. COLD-FORMED METAL JOIST FRAMING.
- 10. HOLLOW METAL FRAMES.
- NCRETE CURING AND PROTECTION PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EX TEMPERATURES AND MAINTAIN DRYING AT A RELATIVELY CONSTANT TEMPI PERIOD OF TIME NECESSARY FOR HYDRATION OF CEMENT AND PROPER HA
- START INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM AFTER PLACING AND FINISHING.
- BEGIN FINAL CURING PROCEDURES IMMEDIATELY FOLLOWING INITIAL CURING CONCRETE HAS DRIED. CONTINUE IN ACCORDANCE WITH ACI 301 AND ACI
- MOISTURE CURING: UTILIZING WATER-FOG SPRAY, KEEP CONCRETE SURFAC
- BY COVERING WITH POTABLE WATER; COVER CONCRETE SURFACE WITH SPE COVER, THOROUGHLY SATURATING COVER WITH POTABLE WATER AND KEEP 12 INCH LAP OVER ADJACENT ABSORPTIVE COVERS.
- CURING CONCRETE WITH EARTH, SAND, SAWDUST OR STRAW IS PROHIBITED.
- N-SHRINK GROUT PROVIDE NON-SHRINK GROUT AS SPECIFIED AND AT LOCATIONS INDICATI DEFINITION: "NON-SHRINK-GROUT" SHALL BE DEFINED AS A HIGH-STRENG" WHICH DOES NOT SHRINK IN THE PLASTIC STATE, IS DIMENSIONALLY STAB STATE, AND BONDS PERMANENTLY TO A CLEAN METAL BASE PLATE AND CEMENTITIOUS GROUT, NON-SHRINK, NON-METTALLIC, NON-CORROSIVE CEM
- ASTM CILOTT AND CRD-C621. 2. MANUFACTURED SPECIFICALLY FOR USE IN SUPPORTING HEAVY LOAD 3. SHRINKING AT 28 DAYS: NO SHRINKAGE BEFORE HARDENING (0.00 /
- SHRINKAGE AFTER HARDENING (0.00 / CRD-C621 TEST). MIX GROUT INGREDIENTS WITH CLEAN, POTABLE WATER AND IN ACCORDA MIXING INSTRUCTIONS.
- CEMENTITIOUS GROUT, SHRINKAGE TESTS
- I. EXPANSION: 0.4 PERCENT MAXIMUM AT 3, 14 AND 28 DAYS. GROUT SH DISPLACEMENT WHEN TESTED IN ACCORDANCE WITH ASTM C157. 2. SHRINKAGE: NONE (0.00 SHRINKAGE AT 28 DAYS WHEN TESTED IN A
- C827 AND ASTM CIO90). THERE SHALL BE NO VERTICAL VOLUME SHR THE PLASTIC OR HARDENED STAGE AT ANY TIME. STRENGTH TEST: COMPRESSIVE STRENGTH OF GROUT SHALL MEET THE FO
- REQUIREMENTS: I. CEMENTITIOUS GROUT: 7,000 psi MINIMUM AT 28 DAYS WHEN TESTED ASTM CIO90.
- INSTALLATION OF NON-SHRINK GROUT . PREPARE FORMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIO
- 2. PLACE GROUT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION a) DO NOT REMOVE LEVELING SHIMS FOR AT LEAST 48 HOURS AFT PLACED. b) FILL VOIDS AFTER THE REMOVAL OF SHIMS, PACKING GROUT MA
- ACCEPTABLE TOOL. 3. CHECK FLOW RATES OF GROUT BEFORE PLACEMENT. USE FLOW CONE
- a) DO NOT USE GROUT AT A FLOW CONE RATE OF LESS THAN 20 S CONE METHOD IN ACCORDANCE WITH CRD-C611 OR ASTM C939.
- PROTECT PLACED GROUT FROM FREEZING UNTIL THE MINIMUM OF 4,000 p PROTECT PLACED GROUT FROM DAMAGE DURING CONSTRUCTION.
- - RMITE SOIL TREATMENT PROVIDE TERMITE SOIL TREATMENT UNDER BUILDING SLABS-ON-GRADE (PATIOS), AND BUILDING FOOTINGS, CRAWLSPACES, AND THE ENTIRE PERIM FOUNDATION WALLS, COLUMN FOOTING, PIERS AND SLAB PENETRATIONS.
- I. USE CHEMICALS IN ACCORDANCE WITH U.S. DEPARTMENT OF AGRICUL RECOMMENDATIONS CONTAINED IN USDA H&G BULLETIN No. 64. THE INSTALLING CONTRACTOR SHALL BE A LICENSED, CERTIFIED SPECIA
- THAN TEN YEARS OF DOCUMENTED EXPERIENCE WITH TERMITE SOIL TREAT SIZE AND SCOPE TO THIS PROJECT.
- UPON COMPLETION OF THE WORK, THE INSTALLING CONTRACTOR SHALL FI TREATMENT APPLICATION REPORT THAT IS TO INCLUDE THE FOLLOWING I . DATE AND TIME OF APPLICATION.
- 2. MOISTURE CONTENT OF THE SOIL BEFORE APPLICATION.
- 3. BRAND AND MANUFACTURER OF THE TERMITICIDE.
- 4. QUANTITY (UNDILUTED) USED. 5. DILUTION, METHOD AND RATE OF APPLICATION.
- 6. APPLICATION AREAS.
- 7. WATER SOURCE USED FOR DILUTION.
- THE INSTALLING CONTRACTOR SHALL FURNISH A NON-CANCELABLE, TRAN MANUFACTURER'S WRITTEN WARRANTY, SIGNED BY THE CONTRACTOR AND CERTIFYING THE FOLLOWING:
- I. SOIL TREATMENTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE THE ABOVE REQUIREMENTS.
- 2. EFFECTIVENESS OF THE TREATMENT WILL CONTINUE FOR NOT LESS TI AFTER TREATMENT DATE.
- 3. ALL EVIDENCE OF TERMITE INFESTATION WITHIN THE WARRANTY PERIO RE-TREATED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS AND COST TO THE OWNER.
- 4. DAMAGE TO ALL STRUCTURES CAUSED BY TERMITES WITHIN THE WAR CORRECTED WITHOUT COST TO THE OWNER.
- THE CONTRACT FOR SOIL TREATMENT SHALL INCLUDE A MAINTENANCE AG PROVIDES FOR INSPECTIONS AND RE-TREATMENTS FOR TWELVE MONTHS OF FINAL ACCEPTANCE BY THE OWNER OR OWNER'S REPRESENTATIVE.

NCRETE FILLED STEEL PIPE BOLLARDS UTILIZE CLASS III CONCRETE FOR ALL PIPE-FILLED STEEL BOLLARDS, MC OR EXTERIOR OF THE BUILDING, WHERE INDICATED ON THE DRAWINGS.

- c. OTHER CONCRETE: NOT LESS THAN ONE INCH, AND NOT MORE THAN FOUR INC
- d. IF SUPER PLASTICIZER IS USED, INITIAL SLUMP SHALL BE TWO TO THREE INCHES, INCREASED TO

DIVISION 04 - MASONRY 0400. PROVIDE SUBMITTALS IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS.

	0400. PROVIDE SUBMITTALS IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS.	
OTES. WORK INCLUDES,	a. FACE BRICK UNITS; VENEER SYSTEM b. CONCRETE MASONRY UNITS	
PING, ELECTRICAL	c. STONE MASONRY VENEER SYSTEM	
PIPING.	d. THIN BRICK VENEER SYSTEM e. SPLIT FACE BLOCK SYSTEM	
	f. MORTARS	
	g. REINFORCEMENT h. TIES	
	i. WATER-RESISTIVE BARRIER I. FLASHING	
OTHER DIVISIONS OF THE THE FOLLOWING:	K. WEEPS	
	I. SEALANT m. GROUT INJECTION MIX DESIGN	
	n. CLEANING SOLUTION	
	0402. CODE REQUIREMENTS	for the:
	 ALL MASONRY WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTERS 16 AND 21, OBC, THE AMERICAN CONCRETE INSTITUTE, COMMITTEE 530, THE NATIONAL CONCRETE 	
	MASONRY ASSOCIATION (NCMA) TEK BULLETINS AND THE BRICK INDUSTRY ASSOCIATION (BIA) TECHNICAL NOTES.	Ĵ,
	0403. REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION	
	a. DIVISION OO - PROCUREMENT AND CONTRACT REQUIREMENTS, AND DIVISION OI - GENERAL	Building
EXCESSIVE COLD OR HOT	CONDITIONS. b. BRICK INDUSTRY ASSOCIATION (BIA) TECHNICAL NOTES	η
IPERATURE FOR A HARDENING.	I. I, HOT AND COLD WEATHER CONSTRUCTION	
DM CONCRETE SURFACE	 7, WATER PENETRATION RESISTANCE - DESIGN AND DETAILING 7A, WATER PENETRATION RESISTANCE - MATERIALS 	μ
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CI 308 PROCEDURES. ACE CONTINUOUSLY WET	6. IBA, ACCOMMODATING EXPANSION OF BRICK WORK	μC
PECIFIED ABSORPTIVE	 20, CLEANING BRICK WORK 28, BRICK VENEER/WOOD STUD WALLS 	n a
EPING CONTINUOUSLY WET;	9. 28B, BRICK VENEER/METAL STUD WALLS 10. 28C, THIN BRICK VENEER	te.
D.	c. NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) TEK MANUALS	1.
	I. 3-IC, ALL-WEATHER CONCRETE MASONRY CONSTRUCTION 2. 3-2A, GROUTING CONCRETE MASONRY WALLS	Maintenance
ATED ON THE DRAWINGS. GTH MORTAR OR GROUT	3. 3-8A, CONCRETE MASONRY CONSTRUCTION	
ABLE IN THE HARDENED	 5-9A, CONCRETE MASONRY CORNER DETAILS 5-12, MODULAR LAYOUT OF CONCRETE MASONRY 	6W
ID CONCRETE SUBSTRATE. EMENT-BASED GROUT:	 8-2A, REMOVAL OF STAINS FROM CONCRETE MASONRY 8-4A, CLEANING CONCRETE MASONRY 	Ne
ADS.	8. 9-1A, MORTARS FOR CONCRETE MASONRY	
/ ASTM C827 TEST); NO	9. 9-4A, GROUT FOR CONCRETE MASONRY 10. 10-1A, CRACK CONTROL IN CONCRETE MASONRY	
DANCE MANUFACTURER'S	 IO-2C, CONTROL JOINTS FOR CONCRETE MASONRY WALLS- EMPIRICAL METHOD IO-3, CONTROL JOINTS FOR CONCRETE MASONRY WALLS- ALTERNATIVE ENGINEERED 	and
	METHOD	
SHALL EXHIBIT NO	13. 10-4, CRACK CONTROL FOR CONCRETE BRICK AND OTHER CONCRETE MASONRY VENEERS 14. 12-2B, JOINT REINFORCEMENT FOR CONCRETE MASONRY	Alterations
ACCORDANCE WITH ASTM	15. 12-4D, STEEL REINFORCEMENT FOR CONCRETE MASONRY	10
FRINKAGE OF GROUT IN	16. 18-3B CONCRETE MASONRY INSPECTION 17. 18-8B, GROUT QUALITY ASSURANCE	r31
=OLLOWING	 AMERICAN CONCRETE INSTITUTE (ACI) I. ACI 530, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES 	fei
	2. ACI 530.1, SPECIFICATION FOR MASONRY STRUCTURES	
N ACCORDANCE WITH	e. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) I. ASTM A82 - STANDARD SPECIFICATION FOR STEEL WIRE, PLAIN, FOR CONCRETE	
IONS.	REINFORCEMENT.	acility
ON INSTRUCTIONS.	 ASTM A153 - STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE. 	
FTER GROUT HAS BEEN	 ASTM A615 - STANDARD SPECIFICATION FOR DEFORMED AND PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT. 	30
1ATERIAL WITH	4. ASTM A641 - STANDARD SPECIFICATION FOR ZINC-COATED (GALVANIZED) CARBON STEEL	ΓŢ
NE FOR FLUID GROUT.	WIRE. 5. ASTM A653 - STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED)	Office
SECONDS. USE FLOW	OR ZINC-IRON-ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS.	ff.
, psi IS REACHED.	6. ASTM A951 - STANDARD SPECIFICATION FOR MASONRY JOINT REINFORCEMENT 7. ASTM B370 - STANDARD SPECIFICATION FOR COPPER SHEET AND STRIP FOR BUILDING	Ċ
	CONSTRUCTION. 8. ASTM C33 - STANDARD SPECIFICATION FOR CONCRETE AGGREGATES. C67	
E (INCLUDING ATTACHED	9. ASTM C67 - STANDARD TEST METHODS FOR SAMPLING AND TESTING BRICK AND	
RIMETER OF INTERIOR	STRUCTURAL CLAY TILE. 10. ASTM C90 - STANDARD SPECIFICATION FOR LOAD-BEARING CONCRETE MASONRY UNITS	
). ULTURE (USDA)	II. ASTM C91 - STANDARD SPECIFICATION FOR MASONRY CEMENT 12. ASTM C140 - STANDARD TEST METHODS OF SAMPLING AND TESTING CONCRETE MASONRY	V
	UNITS AND RELATED UNITS.	AR
ALIST AND HAVE NO LESS EATMENT AND SIMILAR IN	13. ASTM CI44 - STANDARD SPECIFICATION FOR MASONRY MORTAR. 14. ASTM CI50 - STANDARD SPECIFICATION FOR PORTLAND CEMENT.	426 E
FURNISH A SOIL	15. ASTM C207 - STANDARD SPECIFICATION FOR HYDRATED LIME FOR MASONRY PURPOSES.	LANC/ phone
NFORMATION.	 I6. ASTM C270 - STANDARD SPECIFICATION FOR MORTAR FOR UNIT MASONRY. I7. ASTM C331 - STANDARD SPECIFICATION FOR LIGHTWEIGHT AGGREGATES FOR CONCRETE 	facsim
	MASONRY UNITS. 18. ASTM C404 - STANDARD SPECIFICATION FOR AGGREGATES FOR MASONRY GROUT.	
	19. ASTM C476 - STANDARD SPECIFICATION FOR GROUT FOR MASONRY.	All draw of VP
	20. ASTM C494 - STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE.	used, wr
	0404. FIRE-RESISTANCE RATINGS a. WHERE INDICATED, PROVIDE MATERIALS IDENTICAL TO THOSE	
ANSFERABLE, ND APPLICATOR,	ASSEMBLIES WITH FIRE-RESISTANCE RATINGS CONFORMING TO THE STANDARD METHOD FOR DETERMINING FIRE RESISTANCE OF CONCRETE AND MASONRY ASSEMBLIES, ACI 216.1-97 /	COM
·	TMS-0216-07, NATIONAL CONCRETE MASONRY ASSOCIATION TEK 7-1A, AND ASTM EI19, AND	
HE MANUFACTURER AND	ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. I. CERTIFICATION OF CONCRETE MASONRY UNITS FOR FIRE RATINGS MUST BE PROVIDED BY	
THAN FIVE YEARS	THE NATIONAL CONCRETE MASONRY ASSOCIATION OR QUALIFIED INDEPENDENT TESTING	ISSU
RIOD SHALL BE	AGENCY. 2. PROVIDE LETTER OF CERTIFICATION FOR AGGREGATES USED IN MIX DESIGN ASSURING	PROGR BIDDI
d at no additional	COMPLIANCE WITH ASTM C33 AND ASTM C331. 3. PROVIDE MIX DESIGN AND DETERMINED EQUIVALENT THICKNESS, FOR UNITS INCORPORATING	
ARRANTY PERIOD WILL BE	RECYCLED CONTENT MATERIALS.	
AGREEMENT THAT	0405. CONSTRUCTION TOLERANCES FOR CONCRETE UNIT MASONRY SHALL CONFORM TO ACI 530.1.	
IS FOLLOWING THE DATE	a. FOR CONSPICUOUS VERTICAL LINES, DO NOT VARY PLUMB MORE THAN 1/8 INCH IN 10 FEET. b. FOR CONSPICUOUS HORIZONTAL LINES, DO NOT VARY PLUMB MORE THAN 1/8 INCH IN 10 FEET.	
	c. COURSES ARE TO BE LEVEL AND JOINTS UNIFORM IN WIDTH.	
MOUNTED ON THE INTERIOR	0406. ENVIRONMENTAL CONDITIONS.	
	a. COLD WEATHER CONSTRUCTION SHALL CONFORM TO THE "RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER CONSTRUCTION" DEVELOPED BY THE ALL WEATHER	
	MASONRY MASONRY COUNCIL (AWMC), LATEST EDITION.	
	 CONCRETE MASONRY UNITS: DURING PERIODS WHEN TEMPERATURES ARE BELOW 40 DEGREES F, NO MASONRY WORK WILL BE PERFORMED UNLESS THE CONTRACTOR PROVIDES THE MEANS 	
	AND METHODS APPROVED BY THE AWMC FOR THE PROTECTION OF MATERIALS AND COMPLETED WORK DURING COLD WEATHER OPERATIONS.	DRAV
	b. ALL MASONRY WORK: DO NOT WORK DURING RAIN UNLESS MATERIALS AND WORK CAN BE FULLY	
	PROTECTED DURING MASONRY OPERATIONS. c. PROTECT THE TOP COURSE OF COMPLETED MASONRY AGAINST WEATHER BY COVERING WITH A	AN
	STRONG, WEATHERPROOF, NON-STAINING MEMBRANE HELD SECURELY IN PLACE.	AS
	0407. EXAMINATION	Ĥ.
	 a. EXAMINE SUBSTRATES, STRUCTURE AND INSTALLATION CONDITIONS. b. DO NOT PROCEED WITH WORK UNDER THIS DIVISION UNTIL UNSATISFACTORY CONDITIONS HAVE 	
	BEEN CORRECTED. c. INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITY FOR	NFG.
	C. INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITT FOR SATISFACTORY PERFORMANCE.	A.S.



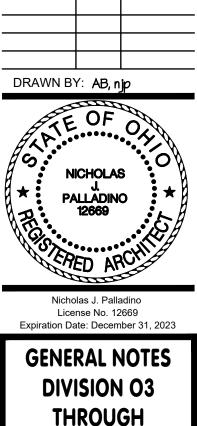
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DIVISION 04

DRAWING NUMBER

DIVISION 04 - MASONRY, CONTINUED

0408. MISCELLANEOUS REQUIREMENTS

- a. LAY UP CONCRETE MASONRY AND SPLIT-FACE UNITS IN RUNNING BOND, ENSURING PLUMB, TRUE TO LINE AND LEVEL DIMENSIONED AS INDICATED ON THE DRAWINGS. ALL VISIBLE JOINTS SHALL
- BE FORMED WITH A ROUND TOOL OR TO MATCH ADJACENT EXISTING WORK.
- b. VERTICAL COLLAR JOINTS TO BE FILLED SOLID WITH MORTAR.
- c. UNLESS OTHERWISE SPECIFIED, PROVIDE 100 PERCENT SOLID BEARING, MINIMUM THREE (3) COURSES, UNDER ALL STRUCTURAL COMPONENTS SUCH AS BEAMS, GIRDERS, LINTELS, ETC.
- d. GROUT FILL CORE SOLID WHERE SHOWN ON THE DRAWINGS.
- I. IF NOT SHOWN ON THE DRAWINGS, GROUT CORES SOLID AROUND ANCHOR BOLTS AND AT CHANGE OF MASONRY WYTHES AND WINDOW SILLS.
- 2. PROTECT FROM AND IMMEDIATELY CLEAN ALL ADJACENT EXPOSED FACES OF MASONRY OF ANY AND ALL GROUT SPLATTER. e. HOLLOW MASONRY UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND
- VERTICAL FACE SHELLS. WEBS SHALL BE BEDDED IN ALL COURSES OF PIERS AND PILASTERS, IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED.
- F. DO NOT SOAK CONCRETE MASONRY UNITS OR BRICK MASONRY UNITS.
- q. AS MASONRY WORK PROGRESSES, BUILD-IN ITEMS SPECIFIED UNDER THIS AND OTHER SECTIONS 0414. FLASHING OF THE GENERAL NOTES. GROUT FILL SOLID AROUND BUILT-IN ITEMS.

0409. STRUCTURAL CONCRETE MASONRY UNIT WORK

a. PROVIDE THE STRUCTURAL CONCRETE MASONRY UNIT WORK AS INDICATED ON THE DRAWINGS. WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, MORTARS, UNITS, GROUTING, FLASHINGS,

- REINFORCEMENT, LINTELS, CLEANING AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED. b. INSTALL IN STRICT ACCORDANCE WITH ACI STANDARDS 530 AND 530.1 AND WITH
- MANUFACTURER'S INSTALLATION INSTRUCTIONS, DETAILS AND SPECIFICATIONS.
- c. MATERIAL
- I. STRETCHER AND BULLNOSE UNITS: IN ACCORDANCE WITH ASTM C90, COMPRESSIVE STRENGTH MINIMUM 1,900 psi IN ACCORDANCE WITH ASTM C90, WATER ABSORPTION COMPLYING WITH ASTM E514, MAXIMUM 13 Ibs PER CUBIC FOOT.
- a) STANDARD UNITS WITH NOMINAL FACE DIMENSIONS OF 16 x 8 INCHES AND NOMINAL DEPTHS AS INDICATED ON THE DRAWINGS FOR SPECIFIC LOCATIONS.
- 2. PROVIDE SPECIAL SHAPES FOR LINTELS, CORNERS, JAMBS, SASHES, MOVEMENT JOINTS,
- HEADERS, BONDING, AND OTHER SPECIAL CONDITIONS. SINGLE AND DOUBLE CORNER UNITS: MATCH THE STRETCHER UNIT IN EVERY REGARD.
- 4. SOLID UNITS: MATCH THE STRETCHER UNIT IN EVERY REGARD.
- 5. LINTELS: TYPES, SHAPES AND SIZES AS INDICATED.
- 6. HORIZONTAL REINFORCEMENT: TRUSS TYPE, HOT DIP GALVANIZED, NINE (9) GAUGE DEFORMED WIRE, CONTINUOUS RECTANGULAR TAB TIE, COMPLY WITH ASTM A82, MINIMUM LAP SIX (6) INCHES, SPACED AS INDICATED ON THE DRAWINGS
- 7. VERTICAL REINFORCEMENT: SIZE AND LOCATION AS INDICATED ON THE DRAWINGS, COMPLY WITH ASTM A615 GRADE 60, REFERENCE DIVISION 03 OF THE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
- 8. MORTAR:
- a) MASONRY BELOW GRADE AND IN CONTACT WITH EARTH: TYPE M.
- b) EXTERIOR, LOAD-BEARING MASONRY: TYPE S. c) INTERIOR, LOAD-BEARING MASONRY: TYPE N, EXCEPT REINFORCED MASONRY, TYPE S. d) INTERIOR, NON-LOAD-BEARING MASONRY: TYPE O OR TYPE N.
- e) COLOR TO MATCH UNIT. 9. POTABLE WATER: FRESH AND FREE OF ACIDS AND ALKALIES AND FOREIGN OR ORGANIC MATERIALS.
- 10. FLASHING: IN ACCORDANCE WITH DIVISION 04 MASONRY, FLASHING. II. JOINT SEALANT: REFERENCE DIVISION OF OF THE GENERAL NOTES AND IN ACCORDANCE
- WITH NCMA TEK BULLETIN 19-6A. 12. CLEANING SOLUTION: AS RECOMMENDED BY THE MANUFACTURER.
- d. UNITS MANUFACTURER: OBERFIELD'S, INC. OR EQUAL.
- e. PROVIDE CONSTRUCTION AND EXPANSION JOINTS AS RECOMMENDED BY THE MANUFACTURER. PROVIDE OPENINGS IN MASONRY WALLS AS REQUIRED FOR WORK BY OTHERS.
- BED AND HEAD JOINTS 3/8 INCHES THICK. WATER TIGHT AND AIR TIGHT SEAL EXTERIOR FACE AT THE COMPLETION OF THE WORK.
- REFERENCE DIVISION OF OF THE GENERAL NOTES FOR ADDITIONAL WATERPROOFING
- ALL PRODUCTS SHALL BE FROM THE SAME SOURCE, FROM ONE MANUFACTURER.
- REFERENCE THIS SPECIFICATION SECTION FOR FINAL CLEANING REQUIREMENTS. THE INSTALLING CONTRACTOR IS TO HAVE NO LESS THAN TEN YEARS OF DOCUMENTED
- EXPERIENCE WITH THE TYPE OF WORK SPECIFIED AND SIMILAR IN SIZE AND SCOPE TO THIS PROJECT 1. SET ITEMS FURNISHED UNDER OTHER DIVISIONS IN THESE GENERAL NOTES. INCLUDING, BUT NOT
- NECESSARILY LIMITED TO: I. HOLLOW METAL DOOR FRAMES. GROUT FRAMES SOLID IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- STRUCTURAL STEEL, PLATES, ANCHOR BOLTS AND EMBEDS.

0410. FACE BRICK VENEER WORK

- a. PROVIDE FACE BRICK VENEER WORK AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, MORTAR, UNITS, REINFORCEMENT, CLEANING AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED.
- b. INSTALL IN STRICT ACCORDANCE WITH OBC CHAPTER 21, THE MASONRY SOCIETY (TMS), THE AMERICAN CONCRETE INSTITUTE (ACI), THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) AND APPLICABLE BRICK INDUSTRY ASSOCIATION (BIA) TECHNICAL NOTES. c. MATERIAL:
- I. MODULAR UNITS: ASTM C216; GRADE SW; APPEARANCE FBS; GROSS AREA COMPRESSIVE STRENGTH MINIMUM 2,500 psi MAXIMUM 20 PERCENT FIVE-HOUR BOILING ABSORPTION; MAXIMUM SATURATION COEFFICIENT 0.80; SHAPES AND SIZES AS INDICATED ON THE DRAWINGS.
- 2. GLAZED BRICK: ASTM CI26, GRADE S OR SS, TYPE I OR II, CLASS EXTERIOR; 8x8x4 (NOM.); GROSS AREA COMPRESSIVE STRENGTH MINIMUM 2,500 psi.
- 3. CORRUGATED WALL TIE (WOOD STUD WALL): ASTM AI53, CLASS B, ASTM AI008,
- GALVANIZED, MINIMUM 22 GAUGE, MINIMUM 7/8 INCHES WIDE AND 6 INCHES LONG. a) INSTALLATION IN ACCORDANCE WITH TMS 602, ACI 503 AND ASCE 6; UNLESS OTHERWISE INDICATED MAXIMUM VERTICAL SPACING 16 INCHES ON CENTER, MAXIMUM HORIZONTAL SPACING 24 INCHES ON CENTER.
- 4. WALL TIE (METAL STUD WALL): ASTM AI53, CLASS B-2; HOT-DIPPED GALVANIZED ADJUSTABLE WIRE ANGHOR, MINIMUM WI.7 (9 GAUGE, MWII) UNLESS OTHERWISE INDIGATED MAXIMUM VERTICAL SPACING 18 INCHES ON CENTER, MAXIMUM HORIZONTAL SPACING 32 INCHES ON CENTER.
- 5. MORTAR: ASTM C270, TYPE N, MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 750 PSI, PROPORTIONS BY VOLUME. 6. PORTLAND CEMENT: ASTM CI50, TYPE I
- MORTAR CEMENT: ASTM CI329
- HYDRATED LIME: ASTM C207, TYPE S.
- 9. AGGREGATE: ASTM CI44; CLEAN MASONRY SAND; NOT OVER 10 PERCENT PASSING No. 100 SIEVE IO. WATER: ASTM CI602 AND TESTED IN ACCORDANCE WITH ASTM CI603; POTABLE; FRESH
- AND FREE OF ACIDS, ALKALIS AND FOREIGN OR ORGANIC MATERIALS.
- II. FLASHING: IN ACCORDANCE WITH DIVISION 04 MASONRY, FLASHING. 12. LINTEL, STEEL: ASTM A36, PRIMED AND PAINTED, SIZE AND THICKNESS AS INDICATED ON THE DRAWINGS
- 13. SILL: MODULAR UNITS, SOLID UNITS ON SILL ENDS. 14. CAVITY MORTAR CONTROL: SEMI-RIGID POLYETHYLENE OR POLYESTER MESH PANELS, SIZED TO THICKNESS OF AIR SPACE, AND DESIGNED TO PREVENT MORTAR DROPPINGS FROM CLOGGING WEEPS AND CAVITY VENTS AND ALLOW PROPER CAVITY DRAINAGE.
- a) MORTAR DIVERTER: PANELS DESIGNED FOR INSTALLATION AT FLASHING LOCATIONS. 15. WEEPS: 100 PERCENT COTTON ROPE.
- a) LOCATIONS: FLASHING LOCATIONS EXCEPT FOR BASE OF CAVITY WALL CONSTRUCTION. 16. JOINT SEALANT: REFERENCE DIVISION OT OF THE TECHNICAL SPECIFICATIONS.
- 17. CLEANING SOLUTION: AS RECOMMENDED BY THE BRICK MANUFACTURER.
- d. UNITS MANUFACTURER, STYLE AND COLOR: AS SELECTED BY THE OWNER.
- e. MORTAR MATERIALS SHALL BE MEASURED AND BATCHED EITHER BY VOLUME OR WEIGHT. SHOVEL COUNT MEASUREMENT IS NOT ACCEPTABLE.
- f. THE USE OF MORTAR ADMIXTURES IS PROHIBITED.
- BED AND HEAD JOINTS 3/8 INCHES THICK. STORE MASONRY UNITS OFF THE GROUND, UNDER COVER AND IN A DRY LOCATION TO PREVENT DETERIORATION OR DAMAGE DUE TO MOISTURE, TEMPERATURE CHANGES, CONTAMINANTS, CORROSION, AND OTHER CAUSES. IF UNITS BECOME WET, DO NOT PLACE UNTIL UNITS ARE IN AN AIR-DRIED CONDITION.
- ALL PRODUCTS SHALL BE FROM THE SAME SOURCE, FROM ONE MANUFACTURER.
- THE INSTALLING CONTRACTOR IS TO HAVE NO LESS THAN TEN YEARS OF DOCUMENTED EXPERIENCE WITH THE TYPE OF WORK SPECIFIED AND SIMILAR IN SIZE AND SCOPE TO THIS PROJECT.
- 0411. BRICK COURSING
 - a. INSTALL THE BRICK VENEER IN A RUNNING BOND AND STACK BOND COURSING AS ILLUSTRATED ON THE EXTERIOR ELEVATIONS. b. INSTALL THE BRICK VENEER SILL IN A ROWLOCK COURSING AS ILLUSTRATED ON THE EXTERIOR
- ELEVATIONS. 0412. LINTELS
- a. INSTALL LOOSE STEEL LINTELS OVER OPENINGS IN ACCORDANCE WITH LINTEL SCHEDULE AS INDICATED ON THE DRAWINGS.

0413. GLASS BLOCK PARTITION

- a. PROVIDE THE INTERIOR GLASS BLOCK PANEL / PARTITION WHERE INDICATED (DRAWINGS AND NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLET INSTALL ATION
- I. 8x8x4, GLEAR, NON-COLORED, OBSCURED VIEW, GLASS BLOCK UNITS, SEVE THICK SERIES 'NUBIO / WAVE' PATTERN BY Provantage, OR APPROVED EQU PITTSBURGH CORNING, QUALITY GLASS BLOCK AND WINDOW, OR CINCINNAT BLOCK.
- b. INSTALL UTILIZING TRADITIONAL MORTAR INSTALLATION TECHNIQUE, WITH HORIZ REINFORCING EVERY COURSE, HORIZONTAL AND VERTICAL PANEL ANCHORS AT JAMBS, ASPHALT EMULSION UNDER BASE COURSE, AND EXPANSION STRIPS AT I JAMBS, ALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTR
- DETAILS THEREIN c. TOOL MORTAR TO PROVIDE SMOOTH, EVEN CONCAVE JOINTS.
- d. MORTAR COLOR AS SELECTED FROM MANUFACTURER'S STANDARD RANGE I. SUBMIT MANUFACTURER'S SAMPLE MORTAR STICK PACKAGE FOR ARCHITE

- a. FLEXIBLE FLASHING STUD WALL BACKUP: FOR FLASHING NOT EXPOSED TO TH THE FOLLOWING, UNLESS OTHERWISE INDICATED:
- I. SURFACE ADHERED FLASHING SYSTEM:
- a) BASIS-OF-DESIGN: HYLOAD CLOAKED FLASHING SYSTEM BY HYLOAI
- 2. SURFACE ADHERED MEMBRANE WITH RUBBERIZED ADHESIVE: a) SURFACE ADHERED MEMBRANE TO BE A COMPOSITE 40 MIL MEMBRA OF 25 MILS OF ELASTOMERIC/THERMAL PLASTIC MEMBRANE INCORPO ELVALOY AND 15 MILS OF SBS ASPHALTIC ADHESIVE; 1-1/2 INCH SEAL/ DRIP EDGE AND SILICONE RELEASE SHEET ADDED.
- b) REINFORCE WITH SYNTHETIC FIBERS, CALENDERED INTO SHEET FORM, TO STANDARD WIDTHS.
- 3. PERFORMANCE REQUIREMENTS:
- a) ELONGATION: ASTM D412; 225 PERCENT. b) TENSILE STRENGTH: ASTM D412; 875 psi.
- c) TEAR STRENGTH: ASTM D624; 270 psi.
- d) LOW TEMPERATURE FLEXIBILITY: ASTM DI46; -25 DEGREES F PASS. e) WATER ABSORPTION: ASTM D471; LESS THAN O.I PERCENT.
- f) COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S RANGE BUFF OR WHITE.
- a) COMPATIBLE WITH URETHANE AND SILICONE SEALANT.
- UV STABLE
- 4. PRE-FORMED THREE-DIMENSIONAL SHAPES:
- a) SYSTEM CLOAKS ARE PRE-FORMED, THREE-DIMENSIONAL FLEXIBLE I DETAIL CORNERS, LEVEL CHANGES, STOP ENDS, AND SPECIAL APPLIC b) STANDARD TYPE CLOAKS AND SPECIAL DESIGNS TO BE FABRICATED THE DESIGN.
- RELATED MATERIALS
- a) TWO-SIDED, SELF-ADHERING TAPE USED MUST SEAL THE TOP OF CLC THE BACK-UP WYTHE; SYSTEM ADHESIVE TO BE USED AS AN ALTERNA b) MASTIC MUST BE USED TO SEAL LAPS, JOINTS, AND TOP TERMINATION
- b. FLEXIBLE FLASHING AT STUD WALL BACKUP CONTRACTOR OPTION: I. CONTRACTOR MAY SELECT TO USE THE FLEX-FLASH FLASHING SYSTEM W TERMINATION BAR BY HOHMANN & BARNARD, INC., AT THE CONTRACTOR'S 1
 - INSTEAD OF THE HYLOAD SYSTEM WITHOUT ADDITIONAL COST TO THE OWN a) SHEET MATERIAL: 40 MIL MEMBRANE WITH DUPONT ELVALOY KEE; PRE
 - CLEAR ADHESIVE FOR FULL BOND TO BACKUP CONSTRUCTION. b) PROVIDE SYSTEM WITH PREFORMED CORNERS AND END DAMS FABRIC HOHMANN & BARNARD, INC.; ELVALOY KEE OR STAINLESS STEEL MATER
 - c) TERMINATION BAR TO BE PREDRILLED; FASTENING PROVIDED DIRECTL FRAMING LOCATIONS.
- d) CONFORMS TO ASTM D412, ASTM D2240, ASTM D624 DIE C, AND ASTM c. STAINLESS STEEL DRIP PLATES:
- PROVIDE AT FLEXIBLE FLASHING LOCATIONS, AS INDICATED.
- MATERIAL: MINIMUM 26 GAGE STAINLESS STEEL.

CONSTRUCTION.

INSTALLATION - GENERAL

INTERRUPTED

OVERLAPPING EDGE.

COMPLETE AND INSPECTED.

HOT OR DRYING WEATHER AND DRYING WINDS.

AGAINST STAINING DUE TO SPLASH-UP.

WINDOWS, DOORS, ETC FROM DAMAGE.

2. THE USE OF MURATIC ACID IS PROHIBITED.

0415. CURING CONCRETE MASONRY UNITS

0416. CLEANING CONCRETE MASONRY UNITS

0418. EXTERIOR BRICK VENEER CLEANING

0417. PROTECTION

2. CONFORMS TO ASTM D412, ASTM D2240, ASTM D624 DIE C, AND ASTM GI54.

BASIS-OF-DESIGN PRODUCT: FLEX-FLASH 8-INCH WIDE ROLL BY HOHMANN & BARNARD,

WATER TO EXTERIOR AT ALL LOCATIONS WHERE DOWNWARD FLOW OF WATER WILL BE

CONSTRUCTION AT LEAST & INCHES TO FORM WATERTIGHT PAN; EXTEND FLASHING INTO

I. WHETHER OR NOT SPECIFICALLY INDICATED, INSTALL MASONRY FLASHING TO DIVERT

2. EXTEND FLASHINGS FULL WIDTH OF OPENINGS AND AT LEAST 4 INCHES INTO ADJACENT

MASONRY AT EACH END; TURN UP NOT LESS THAN 2 INCHES TO FORM END DAMS.

3. CARRY FLASHING ACROSS AIR SPACE BEHIND VENEER AND UP FACE OF BACKUP

CONSTRUCTION WITH TERMINATION BAR AND SEAL.

MORTAR AND COVER WITH FRESH MORTAR.

RECOMMENDED BY FLASHING MANUFACTURER.

MASONRY BACKUP MINIMUM 1-3/4 INCHES; SECURE FLASHING AT NON-MASONRY

4. EMBED FLASHINGS IN MORTAR JOINT; PLACE FLASHING ON SLOPING BED OF FRESH

5. SEAL LAPPED SEAMS OF STAINLESS STEEL DRIP PLATES WITH SELF-ADHERING FLASHING

6. SEAL LAPPED ENDS AND PENETRATIONS OF FLASHING WITH ADHESIVE OR SEALANT, AS

RECOMMENDED BY FLASHING MANUFACTURER, BEFORE COVERING WITH MORTAR.

8. CUT FLASHING FLUSH WITH FACE OF MORTAR JOINT AFTER MASONRY CONSTRUCTION IS

SHALL NOT BE WET TO THE POINT THAT FREE WATER DROPS FROM THE SURFACE. MASONRY

WORK SHALL BE DAMP-CURED FOR AT LEAST 7 DAYS TO PREVENT TOO RAPID DRYING DURING

EXPOSED CONCRETE MASONRY UNITS AND SPLIT-FACE MASONRY UNITS IN ACCORDANCE WITH

7. LAP END JOINTS OF FLASHINGS AT LEAST 6 INCHES AND SEAL WATERTIGHT AS

a. CURE CONCRETE MASONRY UNIT SYSTEM USING WATER FROM A FOGGING NOZZLE, BUT UNITS

a. AFTER MORTAR IS THOROUGHLY SET AND CURED PER MANUFACTURER'S INSTRUCTIONS, CLEAN

NCMA TEK SECTION & AND FACE BRICK VENEER IN ACCORDANCE WITH BIA TEK 20.

b. PROTECT ADJACENT SURFACES FROM CONTACT WITH ANY CLEANERS.

MATERIALS THAT WILL ACCOMPLISH THE WORK.

SEAM TAPE; STOP SELF-ADHERING FLASHING SEAM TAPE 3/8 INCH OF BRICK FACE AND

EXTEND OVER TURNED UP EDGE 3 INCHES ONTO BACKUP CONSTRUCTION; CENTER TAPE ON

				-
13.	 GLASS BLOCK PARTITION a. PROVIDE THE INTERIOR GLASS BLOCK PANEL / PARTITION WHERE INDICATED ON THE DRAWINGS AND NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION:		1ANUFACTURED STONE VENEER (MSV) a. PROVIDE THE DRAINABLE MSV SYSTEM, WITH TRIM STONES, OVER WOOD FRAMED OR OVER LIGHT GAUGE METAL FRAMED EXTERIOR WALLS AS INDICATED ON THE DRAWINGS. INCLUDES STONE UNITS, TRIM STONE UNITS, SUBSTRATE PREPARATION, FLASHINGS AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED FOR A COMPLETE, WEATHER-TIGHT SYSTEM.	
	THICK SERIES 'NUBIO / WAVE' PATTERN BY Provantage, OR APPROVED EQUAL BY PITTSBURGH CORNING, QUALITY GLASS BLOCK AND WINDOW, OR CINCINNATI GLASS BLOCK.	b	MANUFACTURER: STONE CRAFT INDUSTRIES; BORAL - CULTURED STONE, WESTLAKE ROYAL STONE SOLUTIONS, CORONADO STONE PRODUCTS, PROVIA, ECHELON, KAFKA GRANITE, OR APPROVED EQUAL.	
	b. INSTALL UTILIZING TRADITIONAL MORTAR INSTALLATION TECHNIQUE, WITH HORIZONTAL	c	. PATTERN AND COLOR	
	REINFORGING EVERY COURSE, HORIZONTAL AND VERTIGAL PANEL ANCHORS AT HEAD AND JAMBS, ASPHALT EMULSION UNDER BASE COURSE, AND EXPANSION STRIPS AT HEAD AND		I. PATTERN: SIMILAR TO RUSTIC CUT a) LENGTH: 4 INCH TO 30 INCHES (12 INCHES AVERAGE)	a.
	JAMBS, ALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND		b) HEIGHT: 2 INCHES TO 9 INCHES, RANDOM	b.
	DETAILS THEREIN: c. TOOL MORTAR TO PROVIDE SMOOTH, EVEN CONGAVE JOINTS:		c) THICKNESS: 3/4 INCH TO I-1/2 INCHES	с. d.
	d. MORTAR COLOR AS SELECTED FROM MANUFACTURER'S STANDARD RANGE.	d	2. COLOR: AS SELECTED BY OWNER OR OWNER'S REPRESENTATIVE. 1. MSV – GENERAL	e.
1	-I. SUBMIT MANUFACTURER'S SAMPLE MORTAR STICK PACKAGE FOR ARCHITECT'S SELECTION.		 COMPRESSIVE STRENGTH NOT LESS THAN 1,800 psi WHEN TESTED IN ACCORDANCE WITH ASTM C39 AND ASTM C192 AND ASTM C39. 	f. g.
17.	a. FLEXIBLE FLASHING - STUD WALL BACKUP: FOR FLASHING NOT EXPOSED TO THE EXTERIOR, USE THE FOLLOWING, UNLESS OTHERWISE INDICATED:		 BOND BETWEEN MANUFACTURED MASONRY UNIT, MORTAR AND BACKING: NOT LESS THAN 50 psi WHEN TESTED IN ACCORDANCE WITH ASTM C482 USING TYPE S MORTAR. THERMAL RESISTANCE: R-VALUE OF NOT LESS THAN 0.355 PER INCH OF THICKNESS WHEN 	0501. RE a.
	 I. SURFACE ADHERED FLASHING SYSTEM: a) BASIS-OF-DESIGN: HYLOAD CLOAKED FLASHING SYSTEM BY HYLOAD. 		TESTED IN ACCORDANCE WITH ASTM CI77.	b.
	2. SURFACE ADHERED MEMBRANE WITH RUBBERIZED ADHESIVE:		 WATER ABSORPTION: TESTED IN ACCORDANCE WITH UBC 15, 9-22%. UNIT WEIGHT: NOT TO EXCEED 15 lbs./sq. ft. SATURATED. 	
	a) SURFACE ADHERED MEMBRANE TO BE A COMPOSITE 40 MIL MEMBRANE CONSISTING		6. SURFACE BURNING CHARACTERISTICS: NOT MORE THAN THE FOLLOWING WHEN TESTED IN	
	OF 25 MILS OF ELASTOMERIC/THERMAL PLASTIC MEMBRANE INCORPORATING DUPONT ELVALOY AND 15 MILS OF SBS ASPHALTIC ADHESIVE; 1-1/2 INCH SEALANT COMPATIBLE		ACCORDANCE WITH UL 123: a) FLAME SPREAD: 25.	b.
	DRIP EDGE AND SILICONE RELEASE SHEET ADDED.		b) SMOKE DEVELOPMENT: 450.	
	 b) REINFORCE WITH SYNTHETIC FIBERS, CALENDERED INTO SHEET FORM, ROLLED AND CUT TO STANDARD WIDTHS. 		7. UV STABLE - MINERAL OXIDE PIGMENT	
	3. PERFORMANCE REQUIREMENTS:	e	 CERTIFICATIONS I.CC ES AC 51 ACCEPTANCE CRITERIA FOR MANUFACTURED STONE VENEER 	
	a) ELONGATION: ASTM D412; 225 PERCENT.		2. ICC EVALUATION SERVICE - EVALUATION REPORT ESR 1364 AND ASTM C1610.	
	b) TENSILE STRENGTH: ASTM D412; 875 psi. c) TEAR STRENGTH: ASTM D624; 270 psi.		 HUD MATERIAL RELEASE NUMBER 1316C U. L. TESTED FOR SURFACE BURNING CHARACTERISTICS 	
	d) LOW TEMPERATURE FLEXIBILITY: ASTM DI46; -25 DEGREES F PASS.		6. FLORIDA PRODUCT APPROVAL NUMBER FLI5047	
	 e) WATER ABSORPTION: ASTM D471; LESS THAN O.I PERCENT. f) COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S RANGE OF BLACK, GREY, 	f.	. MATERIALS I. TRIMS SUCH AS PRE-FORMED CORNERS, CONTINUOUS WATER-TABLE, RECEPTACLE STONES, ETC.	
	BUFF OR WHITE. a) COMPATIBLE WITH URETHANE AND SILICONE SEALANT.		2. MORTAR: TYPE N OR S; COMPLY WITH ASTM C270; BOND BETWEEN MORTAR AND STONE	с.
	Ń) UV STABLE.		MINIMUM 50 psi IN ACCORDANCE WITH ASTM C482. 3. METAL LATH: 2.5 Ibs GALVANIZED EXPANDED METAL OR 18 GAUGE WOVEN WIRE MESH OR	
	 PRE-FORMED THREE-DIMENSIONAL SHAPES: a) SYSTEM CLOAKS ARE PRE-FORMED, THREE-DIMENSIONAL FLEXIBLE UNITS USED TO 		3.4 lbs GALVANIZED EXPANDED RIB LATH.	
	DETAIL CORNERS, LEVEL CHANGES, STOP ENDS, AND SPECIAL APPLICATIONS.		4. LATH FASTENER FOR WOOD FRAMING: CORROSION RESISTANT NAILS AS RECOMMENDED BY THE MSV MANUFACTURER.	d.
	 b) STANDARD TYPE CLOAKS AND SPECIAL DESIGNS TO BE FABRICATED AS REQUIRED BY THE DEGLAN 	ſ	5. LATH FASTENER FOR METAL FRAMING: CORROSION RESISTANT SCREWS AS RECOMMENDED	
	THE DESIGN. 5. RELATED MATERIALS:		BY THE MSV MANUFACTURER. 6. FLASHING: TYPE, SIZE AND LOCATION AS RECOMMENDED BY THE MSV MANUFACTURER.	
	a) TWO-SIDED, SELF-ADHERING TAPE USED MUST SEAL THE TOP OF CLOAKS AGAINST		 FLASHING: TTPE, SIZE AND LOCATION AS RECOMMENDED BY THE MSV MANUFACTURER. SEALANT: USE ONLY SEALANTS APPROVED FOR USE WITH MASONRY PRODUCTS; 	
	THE BACK-UP WYTHE; SYSTEM ADHESIVE TO BE USED AS AN ALTERNATIVE. b) MASTIC MUST BE USED TO SEAL LAPS, JOINTS, AND TOP TERMINATIONS.		AND ONLY SEALANTS WARRANTED BY THE MSV MANUFACTURER.	
	b. FLEXIBLE FLASHING AT STUD WALL BACKUP - CONTRACTOR OPTION:	C h	g. PROVIDE EXPANSION JOINTS IN ACCORDANCE WITH MSV MANUFACTURER'S SPECIFICATIONS. I. FURNISH MSV MANUFACTURER'S STANDARD WRITTEN WARRANTY AGAINST DEFECTS IN	
	I. CONTRACTOR MAY SELECT TO USE THE FLEX-FLASH FLASHING SYSTEM WITH NO. TI		MANUFACTURING FOR A MINIMUM PERIOD OF FIFTY (50) YEARS FOLLOWING THE DATE OF	
	TERMINATION BAR BY HOHMANN & BARNARD, INC., AT THE CONTRACTOR'S DISCRETION, INSTEAD OF THE HYLOAD SYSTEM WITHOUT ADDITIONAL COST TO THE OWNER.	,	SUBSTANTIAL COMPLETION. ALL PRODUCTS SHALL BE FROM THE SAME SOURCE, FROM ONE MANUFACTURER.	
	a) SHEET MATERIAL: 40 MIL MEMBRANE WITH DUPONT ELVALOY KEE; PRESSURE SENSITIVE	ı. İ.	. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, DETAILS	
	CLEAR ADHESIVE FOR FULL BOND TO BACKUP CONSTRUCTION. b) PROVIDE SYSTEM WITH PREFORMED CORNERS AND END DAMS FABRICATED BY	ſ	AND SPECIFICATIONS.	
	HOHMANN & BARNARD, INC.; ELVALOY KEE OR STAINLESS STEEL MATERIAL. c) TERMINATION BAR TO BE PREDRILLED; FASTENING PROVIDED DIRECTLY AT STEEL		I. INSTALL MANUFACTURED STONE MASONRY VENEER IN ACCORDANCE WITH MVMA INSTALLATION GUIDE FOR ADHERED MANUFACTURED STONE VENEER, ASTM CI780 AND APPLICABLE CODES.	
	FRAMING LOCATIONS.		2. INSTALL/APPLY RELATED MATERIALS IN ACCORDANCE WITH TYPE OF SUBSTRATE AND	
	d) CONFORMS TO ASTM D412, ASTM D2240, ASTM D624 DIE C, AND ASTM G154. c. STAINLESS STEEL DRIP PLATES:	k	MSV MANUFACTURE'S INSTALLATION INSTRUCTIONS. 	
	I. PROVIDE AT FLEXIBLE FLASHING LOCATIONS, AS INDICATED.	ĸ	I. WALLS: PROVIDE WITH BLENDED COLOR / TEXTURE SPECIFIED.	
	2. MATERIAL: MINIMUM 26 GAGE STAINLESS STEEL. 3. PROFILE:		a) PROVIDE STONES MANUFACTURED SPECIFICALLY FOR INSTALLATION AT CORNERS,	
	a) PROVIDE WITH CLOSED HEMMED DRIP EDGE TO EXTEND PAST FACE OF WALL.		ELECTRICAL DEVICES, PLUMBING DEVICES, ETC., WHERE LOCATED ON THE DRAWINGS. 2. MORTAR JOINTS	
	b) PROVIDE VERTICAL LEG EXTENDING UP BACKUP WALL MINIMUM 2 INCHES.		a) STYLE: STANDARD 1/2 INCH TOOLED.	
	 c) PROVIDE PITCH IN DRIP PLATE AS INDICATED ON DRAWINGS. d) PROVIDE SHOP FABRICATED INSIDE AND OUTSIDE CORNER. 		 STONE DIRECTION a) AS SELECTED BY OWNER OR OWNER'S REPRESENTATIVE. 	
	e) AT LIP BRICK PROFILES, MATCH PROFILE WITH STEP IN DRIP PLATE.	I.	THE INSTALLING CONTRACTOR IS TO HAVE NO LESS THAN TEN YEARS OF DOCUMENTED	
	4. FLEXIBLE FLASHING WILL COVER DRIP PLATE; CUT FLUSH WITH FACE OF MORTAR JOINT.		EXPERIENCE WITH THE TYPE OF SYSTEM SPECIFIED AND SIMILAR IN SIZE AND SCOPE TO THIS	
	 PROVIDE I/8 INCH THICK SEALANT TAPE BETWEEN DRIP PLATE AND STEEL STRUCTURAL MEMBER. 	m	PROJECT. n. PRIOR TO THE COMMENCEMENT OF THE WORK, PROVIDE A MOCK-UP FOR APPROVAL BY THE	
	6. BOND FLEXIBLE FLASHING TO DRIP PLATE AS RECOMMENDED BY FLEXIBLE FLASHING MANUFACTURER; PRODUCT SELECTION TO ENSURE AGAINST ADHESIVE DROOL BEYOND FACE		OWNER'S REPRESENTATIVE AND, IF REQUESTED, THE MANUFACTURER. MOCK-UP IS TO INCLUDE AN INSIDE CORNER, AN OUTSIDE CORNER, WATER-TABLE, AN INTRICATE DETAIL SELECTED BY	
	OF BRICK. 7. BACKER ROD AND SEALANT TO BE PROVIDED UNDER DRIP EDGE PER DIVISION 01, AT		THE OWNER'S REPRESENTATIVE AND A TERMINATION AT DISSIMILAR MATERIAL. THE MOCK-UP, IF APPROVED MAY BE INCORPORATED IN THE WORK.	
	LOCATIONS PROTECTING STEEL. d. DRIP PLATE FASTENERS - STUD BACKUP: CORROSION-RESISTANT SCREWS LOCATED AT EVERY STUD LINE.			
	e. SELF-ADHERING FLASHING SEAM TAPE:			
	I. SHEET MATERIAL: 40 MIL MEMBRANE WITH DUPONT ELVALOY KEE; PRESSURE SENSITIVE CLEAR ADHESIVE FOR FULL BOND TO STAINLESS STEEL DRIP PLATE AND BACKUP CONSTRUCTION			

DIVISION 05 - METALS

NOTE

REFER TO THE STRUCTURAL DRAWINGS, AS PREPARED BY BETTS STRUCTURAL ENGINEERIN, LLC, FOR ADDITIONAL STRUCTURAL SPECIFICATIONS AND INFORMATION. WHERE THOSE STRUCTURAL REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT SHALL APPLY.

PROVIDE SUBMITTAL IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITION a. STRUCTURAL STEEL (COLUMNS, BEAMS AND LINTELS), METAL DECKING AND

- b. STRUCTURAL METAL STUD FRAMING ; GROUT
- d. ANCHOR BOLTS
- e. MISCELLANEOUS METALS
- ORNAMENTAL METALS g. ALL OTHER ITEMS/INFORMATION INDICATED ON THE STRUCTURAL ENGINEER
- REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION a. DIVISION OO - PROCUREMENT AND CONTRACT REQUIREMENTS, AND DIVISIO
- CONDITIONS
- b. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) I. SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRU
- 2. AISC 5303, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND b. AMERICAN IRON AND STEEL INSTITUTE (AISI) I. AISI SIOO, NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLL
- 2. AISI 5200, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL F
- PROVISIONS 3. AISI S201, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FR
- 4. AISI S202, CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL 5. AISI S211, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRA
- 6. AISI 5212, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRA
- 1. AISI 5213, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FR
- 8. AISI 5214, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRA . AMERICAN WELDING SOCIETY (AWS) . AWS A2.4, STANDARD SYMBOLS FOR WELDING, BRAZING AND NONDEST
- 2. AWS DI.I, STRUCTURAL WELDING CODE STEEL
- 3. AWS DI.3, STRUCTURAL WELDING CODE SHEET STEEL
- d. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) . ASTM A36, STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEE 2. ASTM A53, STANDARD SPECIFICATION FOR PIPE, STEEL, BLACK AND HO COATED, WELDED AND SEAMLESS.
- 3. ASTM AI23, STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZEI AND STEEL PRODUCTS
- 4. ASTM A153, STADARD SPECIFICATION FOR ZINC COATING ON IRON AN 5. ASTM A307, STANDARD SPECIFICATION FOR CARBON STEEL BOLTS AN
- TENSILE STRENGTH. 6. ASTM A325, STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, STEEL
- 120/105 KSI MINIMUM TENSILE STRENGTH.
- 1. ASTM A385, STANDARD PRACTICE FOR PROVIDING HIGH QUALITY ZINC 8. ASTM A500, STANDARD SPECIFICATION FOR COLD-FORMED WELDED
- STEEL STRUCTURAL TUBING. 9. ASTM A501, STANDARD SPECIFICATION FOR HOT-FORMED WELDED AND STEEL STRUCTURAL TUBING.
- 10. ASTM A563, STANDARD SPECIFICATION FOR CARBON AND ALLOY STE II. ASTM A588, STANDARD SPECIFICATION FOR HIGH STRENGTH LOW ALL
- WITH 50 KSI MINIMUM YIELD POINT TO FOUR INCHES THICK. 12. ASTM A653, STANDARD SPECIFICATION FOR STEEL SHEET, ZINC OR ZIN
- BY HOT-DIP PROCESS. 13. ASTM AT80, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNC
- HOT-DIP GALVANIZED COATINGS 14. ASTM A192, STANDARD SPECIFICATION FOR STEEL SHEET, 55 PERCENT
- COATED BY HOT-DIP PROCESS 15. ASTM A1003, STANDARD SPECIFICATION FOR STEEL SHEET, CARBON, 1
- NON-METALLIC-COATED FOR COLD-FORMED FRAMING MEMBERS 16. ASTM A1008, STANDARD SPECIFICATION FOR STEEL, SHEET, COLD-ROI STRUCTURAL, HIGH-STRENGTH LOW-ALLOY, HIGH-STRENGTH LOW-ALLOY
- FORMABILITY, SOLUTION HARDENED AND BAKE HARDENABLE 17. ASTM B211, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM-A FINISHED BAR, ROD AND WIRE
- 18. ASTM B221, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM RODS, WIRE, PROFILES AND TUBES
- 19. ASTM B247, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM-HAND FORGINGS AND ROLLED RING FORGINGS
- 20.ASTM B429, STANDARD SPECIFICATION FOR ALUMINUM-ALLOY EXTRUDE AND TUBE 21. ASTM C955, STANDARD SPECIFICATION FOR LOAD BEARING (TRANSVER
- STUD, RUNNERS (TRACKS) AND BRACING OR BRIDGING FOR SCREW APP PANEL PRODUCTS AND METAL PLASTER BASES
- 22. ASTM CIOOT, STANDARD SPECIFICATION FOR INSTALLATION OF LOAD I AND AXIAL) STEEL STUDS AND RELATED ACCESSORIES
- 23. ASTM CIIOT, STANDARD SPECIFICATION FOR PACKAGED DRY, HYDRAU (NON-SHRINK) 24. ASTM CI513, STANDARD SPECIFICATION FOR STEEL TAPPING SCREWS
- STEEL FRAMING CONNECTIONS 25. ASTM D2244, STANDARD PRACTICE FOR CALCULATION OF COLOR TOL
- DIFFERENCES FROM INSTRUMENTALLY MEASURED COLOR COORDINATE 26.ASTM D2247, STANDARD PRACTICE FOR TESTING WATER RESISTANCE PERCENT RELATIVE HUMIDITY.
- 27. ASTM D2794, STANDARD TEST METHOD FOR RESISTANCE OF ORGANIC EFFECTS OF RAPID DEFORMATION (IMPACT).
- 28.ASTM D336I, STANDARD PRACTICE FOR UNFILTERED OPEN-FLAME CAR OF PAINT AND RELATED COATINGS.
- 29. ASTM D4214, STANDARD TEST METHODS FOR EVALUATING THE DEGREE EXTERIOR PAINT FILMS. 30.ASTM E84, STANDARD TEST METHOD FOR SURFACE BURNING CHARACT
- MATERIALS 31. ASTM E96, STANDARD TEST METHODS FOR WATER VAPOR TRANSMISSI
- 32. ASTM EI592, STANDARD TEST METHOD FOR STRUCTURAL PERFORMANCE ROOF AND SIDING SYSTEMS BY UNIFORM STATIC AIR PRESSURE DIFFER
- 33. ASTM F436, STANDARD SPECIFICATION FOR HARDENED STEEL WASHER 34. ASTM F468, STANDARD SPECIFICATION FOR NONFERROUS BOLTS, HEX (HEAD CAP SCREWS AND STUDS FOR GENERAL USE
- 35. ASTM F593, STANDARD SPECIFICATION FOR STAINLESS STEEL BOLTS,
- 36. ASTM FI554, STANDARD SPECIFICATION FOR ANCHOR BOLTS, STEEL, 36 STRENGTH
- 37. ASTM F2329, STANDARD SPECIFICATION FOR ZINC COATING, HOT DIP, APPLICATION TO CARBON AND ALLOY STEEL BOLTS, SCREWS, WASHER THREADED FASTENERS
- 38. ASTM 687, STANDARD PRACTICE FOR CONDUCTING MOIST 502 TESTS.
- e. FM GLOBAL (FM) I. FM STANDARD 4411, APPROVED STANDARD FOR CLASS I ROOFS FOR RESISTANCE, COMBUSTIBILITY AND WIND UPLIFT RESISTANCE
- 2. FM DS I-28R, DATA SHEET: ROOF SYSTEMS f. NATIONAL ASSOCIATION OF METAL MANUFACTURERS (NAMM)
- I. NAMM AMP 500, METAL FINISHES MANUAL
- 2. NAMM AMP 52I, PIPE RAILING SYSTEMS MANUAL
- 3. NAMM AMP 555, CODE OF STANDARD PRACTICE FOR THE ARCHITECTUR q. SOCIETY FOR PROTECTIVE COATINGS (SSPC) SSPC-SPI, SOLVENT CLEANING
- 2. SSPC-SP3, POWER TOOL CLEANING
- 3. SSPC-SP6, COMMERCIAL BLAST CLEANING
- 4. SSPC-SPIO, NEAR WHITE BLAST CLEANING
- 5. SSPC-PAI, SHOP, FIELD AND MAINTENANCE PAINTING
- 6. SSPC PAINT 20, ZINC-RICH PRIMERS (TYPE I INORGANIC, TYPE II ORGAN SSPC TECHNOLOGY GUIDE NO. 14, GUIDE FOR THE REPAIR OF IMPERFEC OR INORGANIC ZINC-COATED STEEL USING ORGANIC ZINC-RICH COATIN
- 8. SSPC PAINT SYSTEM GUIDE NO. 12.00, GUIDE TO ZINC-RICH COATING SY h. UNDERWRITERS LABORATORIES
- I. UL 209, STANDARD FOR SAFETY CELLULAR METAL FLOOR RACEWAYS AND FITTINGS 2. UL 580, STANDARD FOR TESTS FOR UPLIFT RESISTANCE OF ROOF ASSEMBLIES. 3. UL 123, STANDARD FOR TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING
- MATERIAL S RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC)
- I. SPECIFICATION FOR STRUCTURAL JOINTS AND LOAD AND RESISTANCE FACTOR DESIGN.

a. PROVIDE AND MAINTAIN COVERING MATERIAL OVER ROUGH AND FINISH GRADES IN ORDER TO PROTECT SURFACES THAT ARE TO REMAIN EXPOSED AT THE COMPLETION OF THE WORK a. UPON COMPLETION OF ALL NEW EXTERIOR VENEER WORK, (INCLUDING TUCKPOINTING, PRECAST

PANEL INSTALLATION, BRICK VENEER INSTALLATION AT NEW MASONRY OPENINGS, ETG.) CONTRACTOR TO CLEAN ALL VENEER BRICK WITH GENERAL-PURPOSE ACIDIC CLEANER DESIGNED FOR REMOVING MORTAR/GROUT STAINS, EFFLORESCENCE, DIRT, GRIME, CARBON, AND OTHER STAINS WITHOUT DISCOLORING OR DAMAGING THE MASONRY SURFACES.

I. PROTECT ALL ADJACENT WALLS, CONCRETE PATIOS AND SIDEWALKS, VEGETATION,

3. SUBMIT CONTRACTOR'S SUGGESTED CLEANING COMPOUND AND PROCEDURES FOR REVIEW. a) CLEANING SHOULD EMPLOY THE LEAST INTRUSIVE, MILDEST AND SAFEST METHODS AND

b) PRIOR TO ACCEPTANCE BY THE ARCHITECT, THE CONTRACTOR SHALL PERFORM CLEANING TESTS USING THE PROPOSED CLEANING METHOD IN INCONSPICUOUS 50 SF PORTION OF THE BUILDING WALLS WHERE SELECTED BY THE ARCHITECT.

	0501.		GTEEL DECK INSTITUTE (SDI) . SDI C, STANDARD FOR COMPOSITE STEEL FLOOR DECK - SLABS 2. SDI NC, STANDARD FOR NON-COMPOSITE STEEL FLOOR DECK 3. SDI RD, STANDARD FOR STEEL ROOF DECK 4. SDI DDMO3, DIAPHRAGM DESIGN MANUAL
		؛ k. /	5. SDI MOC2, MANUAL OF CONSTRUCTION WITH STEEL DECK AMERICAN NATIONAL STANDARD SPECIFICATIONS (ANSI) . ANSI A1264.I, SAFETY REQUIREMENTS FOR WORKPLACE FLOOR AND WALL OPENINGS, STAIRS
10NS. ND BAR JOISTS .	0502	. <i>CO</i> E	AND RAILING SYSTEMS. DE COMPLIANCE
		а.	STRUCTURAL STEEL AND METAL FABRICATION SHALL COMPLY WITH THE REQUIREMENTS OF OBC CHAPTERS 16 AND 22. GROUND AND BOND STEEL COMPONENTS IN ACCORDANCE WITH NFPA 10.
ER'S DRAWINGS	0503.	а.	MINATION EXAMINE SUBSTRATES, STRUCTURE AND INSTALLATION CONDITIONS. DO NOT PROCEED WITH WORK UNDER THIS DIVISION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
510N OI - GENERAL		b.	INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITY FOR SATISFACTORY PERFORMANCE.
RUCTURAL STEEL FOR	0504.		P DRAWINGS SUBMIT DETAILED SHOP DRAWINGS OF STRUCTURAL STEEL WORK PRIOR TO FABRICATION,
ND BRIDGES			SHOWING SIZES, DETAILS OF FABRICATION AND CONSTRUCTION, METHODS OF ASSEMBLY, LOCATIONS OF HARDWARE, ANCHORS, AND ACCESSORIES, AND ERECTION SEQUENCE AND
LD-FORMED STEEL			DETAILS. INCLUDE PROCEDURES FOR HEAVY LIFTS AND RIGGING. ERECTION DRAWINGS SHALL BE REFERENCED TO THE CONTRACT DRAWINGS. I. SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PRODUCED BY HE SUBCONTRACTOR OR
FRAMING - GENERAL		b	SUPPLIER AND SHALL INCLUDE MEMBER IDENTITY, WELDING TECHNIQUE, CUTS, COPES, GUSSETS,
FRAMING - PRODUCT DATA EL STRUCTURAL FRAMING RAMING - WALL STUD			CONNECTIONS, HOLES, FASTENERS, CAMBER, FABRICATION AND ERECTION TOLERANCES, TYPE OF FINISH, PAINT SYSTEM, WEIGHTS OF MEMBERS, AND CRITICAL CLEARANCES. WELDS, BOTH SHOP AND FIELD, SHALL BE INDICATED BY STANDARD WELDING SYMBOLS OF AWS
RAMING - HEADER DESIGN		d	A2.4. DRAWINGS SHALL SHOW THE SIZE, LENGTH, AND TYPE OF EACH WELD. I. INDICATE INDIVIDUAL WELDERS' IDENTIFICATION (I.D.) ON PROJECT RECORD DRAWINGS. INVESTIGATE STRESSES CALLED BY THE PROPOSED ERECTION PROJECT RECORD DRAWINGS.
FRAMING - LATERAL FRAMING - TRUSS DESIGN		d.	INVESTIGATE STRESSES CAUSED BY THE PROPOSED ERECTION PROCEDURE. SUBMIT DRAWINGS SHOWING DETAILS OF REQUIRED TEMPORARY SUPPORTS, STAYING, AND BRACING. INCLUDE DESCRIPTIVE DATA AND DESIGN CALCULATIONS, TO ILLUSTRATE THE ERECTION,
STRUCTIVE EXAMINATION			TRANSPORTATION, AND HANDLING PROCEDURES, INCLUDING SEQUENCE OF ERECTING AND TRANSFER OF LOADS IF APPLICABLE.
			FURNISH SETTING DIAGRAMS, TEMPLATES, AND DIRECTIONS FOR THE ERECTION OF STRUCTURAL FRAMING, ANCHOR BOLTS, BEARING PLATES, AND OTHER EMBEDDED ITEMS.
EEL.			THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERRORS OF FABRICATION AND FOR CORRECT FITTING OF STRUCTURAL MEMBERS.
HOT-DIPPED, ZINC		g.	QUALITY CONTROL SUBMITTALS I. TEST REPORTS: WHEN REQUESTED, FURNISH MILL TEST REPORTS FOR ALL STRUCTURAL GTEEL
ZED) COATINGS ON IRON			STEEL. 2. CERTIFICATES:
ND STEEL HARDWARE. AND STUDS, 60,000 PSI EEL, HEAT TREATED,			 a) WELDER QUALIFICATIONS: SUBMIT COPIES OF WELDER'S CERTIFICATIONS. b) HIGH STRENGTH BOLTS, NUTS AND WASHERS: FOR ALL HIGH STRENGTH BOLTS, NUTS AND HARDENED WASHERS, SUBMIT CERTIFICATION OF DOMESTIC (US) MANUFACTURE AND COMPLIANCE WITH ALL PROVISIONS OF THESE GENERAL NOTES.
LEL, HEAT TREATED, NC COATINGS (HOT-DIP)	0505.		UCTURAL STEEL AND METAL FABRICATION
) AND SEAMLESS CARBON		а.	PROVIDE STRUCTURAL STEEL FRAMING AND METAL FABRICATIONS AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, STRUCTURAL BEAMS, STRUCTURAL TUBING,
ND SEAMLESS CARBON TEEL NUTS.			BAR JOISTS, STRUCTURAL STEEL STUDS AND TRACKS, ANGLES, PLATES, WEB STIFFENERS, METAL DECKING, CLIPS, FASTENERS, ANCHOR BOLTS, GROUTING AND ALL OTHER ITEMS AND
LOW STRUCTURAL STEEL			INCIDENTALS AS REQUIRED. I. REFERENCE THE STRUCTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS.
ZINC-IRON ALLOY COATED		Ь.	STRUCTURAL STEEL FOR BUILDINGS AND OTHER STRUCTURES: I. STRUCTURAL STEEL: ASTM A572, GRADE 50, OR ASTM A36.
INCOATED AREAS OF		с.	 HIGH-STRENGTH PLATE FOR WELDING: ASTM 514. STRUCTURAL TUBING: I. COLD-FORMED CARBON STEEL: ASTM A500, GRADE B OR AS INDICATED.
NT ALUMINUM-ZINC ALLOY			 COLD-FORMED CARBON STEEL: ASTM ASOO, GRADE B OR AS INDICATED. HOT-FORMED CARBON STEEL: ASTM ASOI, MINIMUM YIELD POINT OF 36,000 PSI. HIGH-STRENGTH, LOW-ALLOY STEEL: ASTM A618, GRADE AS INDICATED.
, METALLIC-COATED AND			PIPE: ASTM A53, TYPE E OR TYPE S, GRADE B (MINIMUM YIELD POINT OF 35,000 PSI). ANCHORS AND FASTENERS:
OLLED, CARBON,)Y WITH IMPROVED		0.	 ANCHORS, BOLTS, NUTS, AND WASHERS: BOLTS AND STUDS, NUTS, AND WASHERS SHALL CONFORM WITH ASTM A307, GRADE A, AND ASTM A449, A563, AND F436, AS APPLICABLE.
-ALLOY ROLLED OR COLD			BOLTS AND STUDS, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153, EXCEPT BOLTS, NUTS, AND WASHERS FOR STRUCTURAL STEEL SHALL BE
I-ALLOY EXTRUDED BARS,		1	MACHINED ITEMS WITHOUT PROTECTIVE COATINGS. 2. HIGH-STRENGTH CARBON STEEL BOLTS: ASTM A325, TYPE I. HEAVY-DUTY HARDENED HEX NUTS AND WASHERS:
1-ALLOY DIE FORGINGS,		Γ.	 NUTS: ASTM A194, GRADE 2H, OR ASTM A563, GRADE DH. WASHERS: ASTM F436, FOR USE WITH ASTM A325 OR ASTM A490 BOLTS, AS APPLICABLE.
IDED STRUCTURAL PIPE /ERSE AND AXIAL) STEEL		g.	EXPANSION BOLTS: HILTI "KWIK-BOLTS" OR APPROVED EQUAL. I. EMBEDMENT LENGTH OF EXPANSION BOLTS INTO SOLID MASONRY OR CONCRETE SHALL BE
PPLICATION OF GYPSUM			AS INDICATED ON THE DRAWINGS, AND IF NOT INDICATED, AS FOLLOWS: a) 1/2 INCH DIAMETER BOLTS: 3-1/2 INCHES EMBEDMENT.
D BEARING (TRANSVERSE			b) 3/4 INCH DIAMETER BOLTS: 5 INCHES EMBEDMENT.
AULIC-CEMENT GROUT	0506.	a.	PROVIDE STEEL COLUMN PLATE GROUTING AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN.
FOR COLD-FORMED		b.	MATERIAL I. PRE-MIXED; NON-METALLIC; NON-SHRINK; NON-CORROSIVE; NON-STAINING; CONTAINING PORTLAND CEMENTS, SILICA SANDS, SHRINKAGE COMPENSATING AGENTS AND FLUIDITY
OLERANCES AND COLOR TES.			IMPROVING COMPOUNDS.
E OF COATINGS IN 100			3. STRENGTH: AS SPECIFIED BY THE STRUCTURAL ENGINEER.
IC COATINGS TO THE	0507.	a.	AL DECKING PROVIDE THE GALVANIZED METAL DECKING AS INDICATED ON THE STRUCTURAL DRAWINGS.
ARBON-ARC EXPOSURES		b.	INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, DETAILS AND SPECIFICATIONS. MATERIAL
EE OF CHALKING OF CTERISTICS OF BUILDING		с.	MATERIAL I. ROOF DECK: ASTM AIOO8; THICKNESS AND DEPTH AS INDICATED ON THE DRAWINGS; GALVANIZED 690 COATING IN ACCORDANCE WITH ASTM A653.
SION OF MATERIALS.			
NCE OF SHEET METAL TERENCE.			4. GALVANIZED STEEL ANGLES: ASTM A36, ASTM A123
ERS. X CAP SCREWS, SOCKET	0508.		NT SHOP PAINT ALL STRUCTURAL STEEL CONFORMING TO STEEL STRUCTURES PAINTING COUNCIL
, HEX CAP SCREWS AND		۲	 IOUCH-UP PAINT: ASTM A100; HIGH ZINC DUST CONTENT. CLOSURE STRIPS GALVANIZED STEEL ANGLES: ASTM A36, ASTM A123 SHOP PAINT ALL STRUCTURAL STEEL CONFORMING TO STEEL STRUCTURES PAINTING COUNCIL SPECIFICATIONS. REFERENCE DIVISION OF OF THE GENERAL NOTES FOR SPECIFIC FINISH COAT REQUIREMENTS. DO NOT PAINT STEEL OR ANCHOR BOLTS WHICH WILL BE ENCASED IN CONCRETE. STRUCTURAL STEEL SHAPES ARE TO RECEIVE TWO (2) COATS OF SHOP PAINT. GALVANIZING REPAIR PAINT TO BE ZINC RICH PRIMER PAINT. GALVANIZED FINISHES: ASTM A153 FOR GALVANIZING IRON AND STEEL HARDWARE. ASTM A123 FOR GALVANIZING ROLLED, PRESSED AND FORGED STEEL SHAPES, PLATES, BARS AND STRIPS 1/0 INCH THICK AND HEAVIER
36, 55, AND 105-KSI YIELD		Ь. С. d.	DO NOT PAINT STEEL OR ANCHOR BOLTS WHICH WILL BE ENCASED IN CONCRETE. STRUCTURAL STEEL SHAPES ARE TO RECEIVE TWO (2) COATS OF SHOP PAINT. GALVANIZING REPAIR PAINT TO BE ZINC RICH PRIMER PAINT.
P, REQUIREMENTS F <i>o</i> r ERS, NUTS AND SPECIAL		а. e.	GALVANIZING REPAIR PAINT TO BE ZINC RICH PRIMER PAINT. GALVANIZED FINISHES: I. ASTM A153 FOR GALVANIZING IRON AND STEEL HARDWARE.
5.			 ASTM AI23 FOR GALVANIZING ROLLED, PRESSED AND FORGED STEEL SHAPES, PLATES, BARS AND STRIPS 1/8 INCH THICK AND HEAVIER.
R HAIL DAMAGE	0509.		DING
			WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AMS) STANDARDS AND REQUIREMENTS.
TURAL METAL INDUSTRY		с.	ELECTRODES: ASTM A233, SERIES E60 OR E70, STRUCTURAL WELDING CODE OF THE AWS. ALL WELDING SHALL BE DONE WITH CARE SO AS NOT TO IMPAIR ANY OF THE STRUCTURE. WELD WITNESSING AND TESTING SHALL BE COORDINATED BY THE CONTRACTOR, PAID FOR BY THE OWNER, UTILIZING AN INDEPENDENT TESTING AGENCY THAT IS APPROVED BY THE OWNER. PROVIDE TEST REPORT TO THE OWNER'S REPRESENTATIVE, THE ARCHITECT AND THE CITER AND THE OWNER'S REPRESENTATIVE, THE ARCHITECT AND THE
			STRUCTURAL ENGINEER.
anic) Ections in Galvanized Ting Systems			
'S AND FITTINGS			



THROUGH

DIVISION 05

DRAWING NUMBER

GN-04

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DIVISION 05 - METALS, CONTINUED

- 0510. COLD-FORMED STRUCTURAL METAL FRAMING a. PROVIDE THE COLD-FORMED STRUCTURAL METAL FRAMING SYSTEM FOR THE MANSARD / SOFFIT ASSEMBLY AND THE INTERIOR FURRING ASSEMBLY AS INDICATED ON THE DRAWINGS. WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, HEAVY GAUGE STUDS AND TRACK,
 - BRACING CHANNELS, CLIPS, FURRING, FASTENERS AND ALL OTHER INCIDENTALS AS REQUIRED b. MATERIAL - GENERAL I. STEEL SHEET: ASTM A1003, STRUCTURAL GRADE, TYPE H, METALLIC COATED OF GRADE AND WEIGHT AS FOLLOWS:
 - a) GRADE: FOR 33 AND 43 MIL THICKNESS: ST33H. FOR 54 MIL AND GREATER THICKNESS: ST50H.,
 - b) COATING: ASTM A653 G60 STANDARD.
 - c. STEEL STUDS: MANUFACTURER'S STANDARD C-SHAPED STEEL STUDS, OF WEB DEPTHS INDICATED, PUNCHED, WITH STIFFENED FLANGES, AND AS FOLLOWS: I. MINIMUM BASE-METAL THICKNESS: 0.0428 INCH (43 MIL, STRUCTURAL 18 GAUGE).
 - 2. FLANGE WIDTH: 1-5/8 INCHES. d. STEEL TRACK: MANUFACTURER'S STANDARD U-SHAPED STEEL TRACK, OF WEB DEPTHS INDICATED, UN-PUNCHED, WITH STRAIGHT FLANGES, AND AS FOLLOWS: MINIMUM BASE-MEATL THICKNESS: 0.0428 INCH.
 - 2. FLANGE WIDTH: 1-5/8 INCHES.
 - e. STEEL "Z" FURRING: MANUFACTURER'S STANDARD Z-SHAPED STEEL FURRING, 20 GAUGE.
 - MINIMUM BASE-METAL THICKNESS: 0.0296 INCH. DIMENSIONS: LEG-I = 3/4 INCHES, LEG-2 = I-I/4 INCHES, DEPTH = I-I/2 INCHES. F. POWDER-ACTUATED ANCHORS: FABRICATED FROM CORROSION RESISTANT MATERIALS, WITH
 - ALLOWABLE LOAD CAPACITIES CALCULATED ACCORDING TO ICC-ES AC 10. MECHANICAL FASTENERS: ASTM CI513, CORROSION-RESISTANT-COATED, SELF-DRILLING, SELF-TAPPING, STEEL SCREWS.
 - I. ELECTROPLATED TO A MINIMUM OF 5 MICRONS ZINC COATING IN ACCORDANCE WITH ASTM FI941 OR HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 OR ASTM A153.
- 0511. LOOSE STEEL LINTELS
 - FURNISH AND INSTALL LINTELS OF SIZES SHOWN. b. FABRICATE LINTELS WITH NOT LESS SIX (6) INCH BEARING AT EACH END FOR NONBEARING
 - MASONRY WALLS, AND EIGHT (B) INCH BEARING EACH END FOR LOAD BEARING MASONRY WALLS. c. PROVIDE ONE (1) ANGLE LINTEL FOR EACH 4 INCHES OF MASONRY THICKNESS OR AS OTHERWISE SPECIFIED OR SHOWN.
 - d. PROVIDE STEEL BEARING PLATES FOR LINTELS WHERE SHOWN.
 - e. WELD OR BOLT UPSTANDING LEGS OF DOUBLE ANGLE LINTELS TOGETHER WITH 3/4 INCH ASTM
 - A325 BOLTS SPACED AT 12 INCHES ON-CENTER.
 - F. INSERT SPREADERS AT BOLT POINTS TO SEPARATE ANGLES FOR INSERTION OF METAL WINDOWS, LOUVERS AND OTHER ANCHORAGE. q. WHERE SHOWN OR SPECIFIED, PUNCH UPSTANDING LEGS OF SINGLE LINTELS TO SUIT SIZE AND
 - SPACING OF ANCHOR BOLTS.
 - GALVANIZE AND SHOP PRIME ALL COMPONENTS AFTER FABRICATION. SETTING STEEL LINTELS
 - CLEAN CONCRETE AND MASONRY BEARING SURFACES OF ANY BOND REDUCING MATERIALS. CLEAN BOTTOM BEARING SURFACE OF LINTEL EACH END.
 - 2. SET STEEL LINTELS ON STEEL WEDGES, OR OTHER ADJUSTABLE DEVICES. DO NOT REMOVE WEDGES OR SHIMS, BUT IF PROTRUDING, CUT-OFF FLUSH WITH EDGE OF PLATE BEFORE PACKING WITH GROUT
 - a) USE METALLIC NON-SHRINK GROUT IN CONCEALED LOCATIONS WHERE NOT EXPOSED TO MOISTURE; USE NONMETALLIC NON-METALLIC GROUT IN EXPOSED LOCATIONS, UNLESS
 - OTHERWISE INDICATED. b) PACK GROUT SOLIDLY BETWEEN BEARING SURFACES TO ENSURE THAT NO VOIDS REMAIN.

0512. MISCELLANEOUS METAL ITEMS

- a. MISCELLANEOUS FRAMING AND SUPPORTS: PROVIDE STEEL FRAMING AND SUPPORTS FOR APPLICATIONS INDICATED, WHICH ARE NOT PARTS OF STRUCTURAL STEEL FRAMEWORK, AS REQUIRED TO COMPLETE WORK.
- I. FABRICATE UNITS TO SIZES, SHAPES, AND PROFILES INDICATED AND REQUIRED TO RECEIVE ADJACENT OTHER CONSTRUCTION RETAINED BY FRAMING AND SUPPORTS. FABRICATE FROM STRUCTURAL STEEL SHAPES, PLATES, AND STEEL BARS OF WELDED CONSTRUCTION USING MITERED JOINTS FOR FIELD CONNECTION. CUT, DRILL, AND TAP UNITS TO RECEIVE HARDWARE, HANGERS. AND SIMILAR ITEMS.
- 2. EQUIP UNITS WITH INTEGRALLY WELDED ANCHORS FOR CASTING INTO CONCRETE OR BUILDING INTO MASONRY. FURNISH INSERTS IF UNITS MUST BE INSTALLED AFTER CONCRETE IS PLACED. EXCEPT AS OTHERWISE INDICATED, SPACE ANCHORS 24 INCHES O.C. AND PROVIDE MINIMUM ANCHOR UNITS IN THE FORM OF STEEL STRAPS I 1/4 INCHES WIDE X 1/4 INCH X & INCHES LONG.
- b. MISCELLANEOUS STEEL TRIM: PROVIDE SHAPES AND SIZES INDICATED FOR PROFILES SHOWN. UNLESS OTHERWISE INDICATED, FABRICATE UNITS FROM STRUCTURAL STEEL SHAPES, PLATES, AND STEEL BARS, WITH CONTINUOUSLY WELDED JOINTS AND SMOOTH EXPOSED EDGES. USE CONCEALED FIELD SPLICES WHEREVER POSSIBLE, PROVIDE CUTOUTS, FITTINGS, AND ANCHORAGES AS REQUIRED FOR COORDINATION FOR ASSEMBLY AND INSTALLATION WITH OTHER
- c. INSTALLATION GENERAL
- I. FASTENING TO IN-PLACE CONSTRUCTION: PROVIDE ANCHORAGE DEVICES AND FASTENERS WHERE NECESSARY FOR SECURING MISCELLANEOUS METAL FABRICATIONS TO IN-PLACE CONSTRUCTION; INCLUDE THREADED FASTENERS FOR CONCRETE AND MASONRY INSERTS, TOGGLE BOLTS, AND THROUGH-BOLTS, LAG BOLTS, WOOD SCREWS AND OTHER CONNECTORS AS REQUIRED.
- 2. CUTTING, FITTING AND PLACEMENT: PERFORM CUTTING, DRILLING, AND FITTING REQUIRED FOR INSTALLATION OF MISCELLANEOUS METAL FABRICATIONS. SET METAL FABRICATION ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION; WITH EDGES AND SURFACES LEVEL, PLUMB, TRUE, AND FREE OF RACK; AND MEASURED FROM ESTABLISHED LINES AND LEVELS.
- 3. PROVIDE TEMPORARY BRACING OR ANCHORS IN FORMWORK FOR ITEMS THAT ARE TO BE BUILT INTO CONCRETE MASONRY OR SIMILAR CONSTRUCTION.
- 4. FIT EXPOSED CONNECTIONS ACCURATELY TOGETHER TO FORM HAIRLINE JOINTS. WELD CONNECTIONS THAT ARE NOT TO BE LEFT AS EXPOSED JOINTS, BUT CANNOT BE SHOP-WELDED BECAUSE OF SHIPPING SIZE LIMITATIONS. DO NOT WELD, CUT, OR ABRADE THE SURFACES OF EXTERIOR UNITS WHICH HAVE BEEN HOT-DIP GALVANIZED AFTER FABRICATION,
- AND ARE INTENDED FOR BOLTED OR SCREWED FIELD CONNECTIONS. 5. FIELD WELDING: COMPLY WITH AWS CODE FOR PROCEDURES OF MANUAL SHIELDED METAL-ARCH WELDING, APPEARANCE AND QUALITY OF WELDS MADE, METHODS USED IN CORRECTING
- WELDING WORK, AND THE FOLLOWING: a) USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE METALS.
- b) OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP.
- c) REMOVE WELDING FLUX IMMEDIATELY.
- d) AT EXPOSED CONNECTIONS, FINISH EXPOSED WELDS AND SURFACES SMOOTH AND BLENDED SO THAT NO ROUGHNESS SHOWS AFTER FINISHING AND CONTOUR OF WELDED SURFACES MATCHES THOSE ADJACENT.
- 6. GROUT: FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SUBSTRATE PREPARATION AND APPLICATION. 1. CORROSION PROTECTION: COAT CONCEALED SURFACES OF ALUMINUM THAT WILL COME INTO
- CONTACT WITH GROUT, CONCRETE, MASONRY, WOOD, OR DISSIMILAR METALS WITH A HEAVY COAT OF BITUMINOUS PAINT OR ZINC CHROMATE PRIMER. d. TOUCH-UP PAINTING OF STEEL ITEMS: IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS,
- BOLTED CONNECTIONS, ABRADED AREAS OF SHOP PAINT, AND PAINT EXPOSED AREAS WITH SAME MATERIAL AS USED FOR SHOP PAINTING TO COMPLY WITH SSPC-PA I REQUIREMENTS FOR TOUCH- UP OF FIELD PAINTED SURFACES. APPLY BY BRUSH OR SPRAY TO PROVIDE A MINIMUM DRY FILM THICKNESS OF 3.0 MILS. I. FOR GALVANIZED SURFACES CLEAN WELDS, BOLTED CONNECTIONS AND ABRADED AREAS
- AND APPLY GALVANIZING REPAIR PAINT TO COMPLY WITH ASTM A780.

0513. STEEL BOLLARD POSTS

- a. PROVIDE THE STEEL BOLLARDS POSTS AND REFUSE GATE POSTS AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN. b. MATERIAL
- a) BOLLARD POSTS: SIX (6) INCHES OUTSIDE DIAMETER, BLACK STEEL SCHEDULE 40 PIPE IN ACCORDANCE WITH ASTM A53.
- b) REFUSE GATE POSTS: SIX (6) INCHES OUTSIDE DIAMETER, BLACK STEEL SCHEDULE 40 PIPE IN ACCORDANCE WITH ASTM A53.
- c) 3,000 PSI CONCRETE PIER, CLASS I, AS DETAILED ON THE DRAWINGS. d) FIELD APPLIED PAINT FINISH, REFERENCE DIVISION OF OF THE GENERAL NOTES, COLOR AS SELECTED BY OWNER OR OWNER'S REPRESENTATIVE.
- e) POLYVINYLCHLORIDE (PVG) DOMED TOP SLEEVE COVER WITH REFLECTIVE BAND; COLOR AS SELECTED BY OWNER OR OWNER'S REPRESENTATIVE. c. INSTALLATION - GENERAL: INSTALL BOLLARDS POSTS AT LOCATIONS SHOWN ON DRAWINGS.
- a) AFTER INSTALLATION, FILL PIPE WITH CONCRETE AND PROVIDE A SMOOTH CONVEX CURVE AT THE TOP OF THE PIPE.
- b) BACKFILL: THE BACKFILL IN THE ANNULAR SPACE AROUND BOLLARDS NOT EMBEDDED IN POURED FOOTINGS SHALL BE BY THE FOLLOWING METHODS: I) CLEAN EXCESS SOIL FROM HOLE. DO NOT LEAVE LOOSE SOIL AT BOTTOM OF HOLE.
- 2) BACKFILL SHALL BE OF CONCRETE WITH AN ULTIMATE STRENGTH OF 3,000 PSI. THE HOLE SHALL NOT BE LESS THAN 4 INCHES LARGER THAN THE DIAGONAL DIMENSION OF A ROUND BOLLARD.
- 0515. METALS IN CONTACT WITH PERSERVATIVELY TREATED WOOD a. ANY METAL HANGERS, CONNECTORS, CLIPS, STRAPS, ANCHORS, BOLTS, FASTENERS, SCREWS, ETC. IN DIRECT CONTACT WITH ANY PERSERVATIVELY TREATED LUMBER SHALL BE STAINLESS STEEL TYPE 304 OR TYPE 316, OR "DOUBLE DIPPED" GALVANIZED THAT COMPLIES WITH THE ASTM A123 (CONNECTORS) OR A153 (FASTENERS) CLASS "D" STANDARDS FOR FASTENERS AND HARDWARE. THE CONNECTORS AND FASTENERS MUST BE MADE OF THE SAME MATERIAL FOR COMPATIBILITY.

DIVISION 06 - WOODS, PLASTICS AND COMPOSITES

0601. EXAMINATION

0602. REFERENCE STANDARDS

- a. CONFORM TO LATEST EDITIONS OF THE FOLLOWING REFERENCE STANDAR REVISIONS, FOR THE MANUFACTURING, TESTING, ERECTING AND INSTALLATIC COMPONENTS.
- I. THE ENGINEERED WOOD ASSOCIATION (APA) REQUIREMENTS.
- 2. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) REQUIREMENT 3. AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) REQUIREMENTS.
- 4. ARCHITECTURAL WOODWORK INSTITUTE (AWI) REQUIREMENTS.
- 5. NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA) REQUIREMENTS. 6. NATIONAL LUMBER GRADES AUTHORITY (NLGA) REQUIREMENTS.
- 7. UNDERWRITERS LABORATORIES, INC. (UL) REQUIREMENTS.
- 8. U. S. PRODUCTS STANDARDS (PS) REQUIREMENTS.

0603. DIMENSION LUMBER

- a. MANUFACTURED IN ACCORDANCE WITH U.S. DEPARTMENT OF COMMERCE, PR PS-20.
- b. NOMINAL LUMBER SIZES ARE INDICATED, EXCEPT AS SHOWN BY DETAIL DIN PROVIDE DRESSED SEASONED DIMENSIONED LUMBER, 54S, KILN-DRIED TO
- PERCENT (15%) MOISTURE CONTENT (MCI5 OR KD). d. EACH PIECE FACTORY GRADE-MARKED BY AN AGENCY ACCREDITED BY
- STANDARD COMMITTEE (ALSC) THAT INDICATES, AT A MINIMUM: GRADING AGENCY
- 2. GRADE, SPECIES MOISTURE CONTENT
- 4. MILL
- e. LIGHT FRAMING, 2 TO 4 INCHES THICK; 2 TO 6 INCHES WIDE:
- WESTERN DIMENSION LUMBER; SPRUCE-PINE-FIR SPECIES; No. 1 / No. 2 STRUCTURAL LIGHT FRAMING, 2 TO 4 INCHES THICK, 2 TO 4 INCHES WIDE:
- WESTERN DIMENSION LUMBER; SPRUCE-PINE-FIR SPECIES; No. 1 / No. 2
- g. STRUCTURAL FRAMING (BEAMS, HEADERS, JOISTS, RAFTERS, ETC.) 2 TO 4 AND WIDER: SPRUCE-PINE-FIR SPECIES; No. 1 / No. 2 GRADE.
- 2. Fb OF 1,200 psi FOR SINGLE MEMBER USE, 1,400 psi FOR REPETITIVE OF 1,600,000 psi.
- BLOCKING, NAILERS, FURRING, GROUNDS AND SIMILAR MEMBERS: STANDAR DIMENSION LUMBER OR SOUTHERN PINE SPECIES.
- 0604. PRESERVATIVE TREATED LUMBER
 - a. EACH PIECE FACTORY GRADE-MARKED BY AN AGENCY ACCREDITED BY STANDARD COMMITTEE (ALSC) THAT INDICATES, AT A MINIMUM:
 - I. GRADING AGENCY 2. AWPA USE CATEGORY
 - 3. YEAR OF TREATMENT
 - A. PRESERVATIVE USED
 - 5. PRESERVATIVE RETENTION
 - 6. EXPOSURE CATEGORY
 - TREATING COMPANY AND LOCATION 8. DRY OR KDAT
 - 9. SIZE AND LENGTH.
 - b. PRESERVATIVE CLASSIFICATION:
 - I. WATERBORNE, NON-COPPER BASED
 - 2. INORGANIC BORON (SBX)
 - 3. IN COMPLIANCE WITH AWPA PRESERVATIVE STANDARDS C2, M4, P5, P2
 - 4. IN COMPLIANCE WITH AWPA USE CATEGORY STANDARDS UI AND TI 5. SHALL NOT EXCEED THE UNITED STATES ENVIRONMENTAL PROTECTION
 - CHARACTERISTIC LEACHING PROCEDURE (TLCP). c. SPECIES: CWC SOUTHERN YELLOW PINE GRADE No. 1 / No. 2, BENDING (Fb) DRESSED 545.
 - KILN DRIED TO A MAXIMUM MOISTURE CONTENT OF NINETEEN PERCENT (2. AWPA USE CATEGORY: 2, ABOVE GROUND, INTERIOR DAMP 3. MINIMUM PRESERVATIVE RETENTION: 0.17 pcf
 - d. CUTS AND BORED AREAS TREATED IN COMPLIANCE WITH AWPA STANDARI
 - WITH A COPPER NAPHTHENATE SOLUTION. e. USE WHERE LUMBER IS IN CONTACT WITH EARTH, CONCRETE AND/OR CONCR ACCORDANCE SECTION 2304.11, OBC.
- 0605. CONSTRUCTION PANELS / PLYWOOD

0606. ENGINEERED WOOD PRODUCTS

d. ADHESIVES TO BE ASTM D2559 WATERPROOF TYPE.

	DE COMPLIANCE CARPENTRY AND WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTERS 15, 16 AND		PROVIDE FACTORY FABRICATED PRE-ENGINEERED WOOD ROOF TRUSSES AND GIRDERS AS	C	. P	rior WC Providi
<i>O</i> I. EX	23, OBC, AND THE STRUCTURAL DRAWINGS. (AMINATION		SHOWN THE DRAWINGS AND NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH TRUSS PLATE INSTITUTE (TPI) DESIGN SPECIFICATIONS ANSI/TPI I-2007, NATIONAL DESIGN SPECIFICATIONS FOR WOOD	b		EXTERIO 1ANUFA0 . EXTE
	EXAMINE SUBSTRATES, STRUCTURE AND INSTALLATION CONDITIONS. DO NOT PROCEED WITH WORK UNDER THIS DIVISION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.	b.	CONSTRUCTION AND SUPPLEMENT (ANSI/AF&PA NDS 2005), AND SECTION 2303.4, OBC.			a) E b) F
D.	INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITY FOR SATISFACTORY PERFORMANCE.		I. DIMENSIONAL LUMBER: SPECIES PER DESIGN BY TRUSS MANUFACTURER; No. 2 GRADE OR BETTER, 15% MAXIMUM MOISTURE CONTENT.			c) h d) f
	FERENCE STANDARDS CONFORM TO LATEST EDITIONS OF THE FOLLOWING REFERENCE STANDARDS, WITH CURRENT		 CONNECTIONS: ALL INTERNAL CONNECTIONS ARE TO BE DESIGNED BY THE TRUSS FABRICATOR. METAL CONNECTOR PLATES TO BE GALVANIZED SHEET STEEL ASTM A446, GRADE A COATING GLASS 6 60 	c		NSTALL/ NSTALL/
	REVISIONS, FOR THE MANUFACTURING, TESTING, ERECTING AND INSTALLATION OF ROUGH FRAMING COMPONENTS. I. THE ENGINEERED WOOD ASSOCIATION (APA) REQUIREMENTS.		3. HANGERS AND SEATS: ALL TRUSS TO TRUSS HANGERS, GIRDER TO COLUMN SEATS ARE TO BE DESIGNED AND PROVIDED BY THE TRUSS FABRICATOR.		י. 2	LENG 2. STA
	 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) REQUIREMENTS. AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) REQUIREMENTS. 	с.	DESIGN. I. REFERENCE STRUCTURAL DRAWINGS FOR LOADING REQUIREMENTS AND ADDITIONAL			3. COP JOIN
	 ARCHITECTURAL WOODWORK INSTITUTE (AWI) REQUIREMENTS. NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA) REQUIREMENTS. 		INFORMATION. 2. IN ADDITION TO THE UNIFORM LOADS INDICATED ON THE DRAWINGS, DESIGN TRUSSES AND GIRDERS FOR ALL SUPERIMPOSED DEAD LOADS INCLUDING BUT NOT LIMITED TO OVERLAY			1. BUT 5. APP DIVI
	 NATIONAL LUMBER GRADES AUTHORITY (NLGA) REQUIREMENTS. UNDERWRITERS LABORATORIES, INC. (UL) REQUIREMENTS. 		FRAMING, CHIMNEYS, MECHANICAL EQUIPMENT, ETC. 3. DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER,	c		5. SEA FINISH
02 01	8. U. S. PRODUCTS STANDARDS (PS) REQUIREMENTS.		REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGNS, RETAINED BY THE FABRICATOR. 4. THE DESIGN OF ALL HANGER CONNECTIONS AND SEATS SHALL BE THE RESPONSIBILITY OF	e	l. . F	. REF PROTEC
	MENSION LUMBER MANUFACTURED IN ACCORDANCE WITH U.S. DEPARTMENT OF COMMERCE, PRODUCT STANDARD PS-20.	d.	THE TRUSS SUPPLIER/FABRICATOR. REQUIRED SUBMITTALS I. SUBMIT TRUSS SHOP DRAWINGS WHICH EXHIBITS THE SEAL OF THE ENGINEER RESPONSIBLE 06	12 11		BY THE (LLATION
	NOMINAL LUMBER SIZES ARE INDICATED, EXCEPT AS SHOWN BY DETAIL DIMENSIONS. PROVIDE DRESSED SEASONED DIMENSIONED LUMBER, S4S, KILN-DRIED TO A MAXIMUM FIFTEEN		 SUBMIT FLOOR PLAN LAYOUT DRAWING WHICH INDICATES THE LOCATION OF EACH TRUSS 		. F	URNISH
d.	PERCENT (15%) MOISTURE CONTENT (MCI5 OR KD). EACH PIECE FACTORY GRADE-MARKED BY AN AGENCY ACCREDITED BY THE AMERICAN LUMBER		AND GIRDER TRUSS. 3. SUBMIT HANGER CONNECTOR AND SEATS TYPES AND LOCATIONS.		R	Compon Roof Fe
	STANDARD COMMITTEE (ALSC) THAT INDICATES, AT A MINIMUM: I. GRADING AGENCY 2. GRADE, SPECIES	e.	4. SUBMIT BRACING OF TRUSSES COMPONENTS AND REQUIREMENTS. DESIGN TRUSS LOADINGS 1. TOP CHORD DEAD LOAD: 10 pst	b	. 11	on the I Nstall Inder D
	 OKADE, SFECIES MOISTURE CONTENT MILL 		2. TOP CHORD LIVE LOAD: 25 psf 3. BOTTOM CHORD DEAD LOADING: 10 psf	c	. 11	NGTALL
	LIGHT FRAMING, 2 TO 4 INCHES THICK; 2 TO 6 INCHES WIDE: I. WESTERN DIMENSION LUMBER; SPRUCE-PINE-FIR SPECIES; No. 1 / No. 2 GRADE.	f.	4. TOP CHORD NET WIND UPLIFT: 10 psf TRUSS MANUFACTURER TO SUBMIT ERECTION PLAN AND SHOP DRAWINGS, BEARING THE SEAL OF	C	I. II H	NSTALL IARDWA
	STRUCTURAL LIGHT FRAMING, 2 TO 4 INCHES THICK, 2 TO 4 INCHES WIDE: I. WESTERN DIMENSION LUMBER; SPRUCE-PINE-FIR SPECIES; No. 1 / No. 2 GRADE. CITILICATIRAL ERANING (REANCE HEADERS, JOINTS, RAFTERS, ETC.) 2 TO 4 INCHES THICK & INCHES		AN ENGINEER REGISTERED IN THE STATE OF OHIO CONFORMING TO THE DESIGN CRITERIA SPECIFIED HEREIN, FOR REVIEW PRIOR TO FABRICATION. SUBMITTED DATA TO CONTAIN: I. DESIGN LOADINGS AND ALLOWABLE STRESS INCREASES EMPLOYED		9 I.	51DE-SP1 . INST/
g.	STRUCTURAL FRAMING (BEAMS, HEADERS, JOISTS, RAFTERS, ETC.) 2 TO 4 INCHES THICK, 5 INCHES AND WIDER: I. SPRUCE-PINE-FIR SPECIES; No. 1 / No. 2 GRADE.		 CALCULATED TRUSS MEMBER STRESSES RATED LOAD CAPACITY OF THE TRUSS MEMBER CONNECTION 		2	MAN a) 2. FURI
	 Fb OF 1,200 psi FOR SINGLE MEMBER USE, 1,400 psi FOR REPETITIVE MEMBER USE, AND E OF 1,600,000 psi. 		 SIZE, SPECIES, AND STRESS-GRADE OF LUMBER EMPLOYED FABRICATION DETAILS INDICATING LOCATION OF CONNECTORS 		2	2. TURI a)
h.	BLOCKING, NAILER'S, FURRING, GROUNDS AND SIMILAR MEMBERS: STANDARD GRADE WESTERN DIMENSION LUMBER OR SOUTHERN PINE SPECIES.		 PERMANENT BRIDGING/BRACING MEMBERS, LOCATIONS AND DETAILS HANDLING AND ERECTION INSTRUCTIONS HANDLING AND ERECTION INSTRUCTIONS 			
	ZESERVATIVE TREATED LUMBER EACH PIECE FACTORY GRADE-MARKED BY AN AGENCY ACCREDITED BY THE AMERICAN LUMBER	g.	8. TRUSS-TO-TRUSS CONNECTION DETAILS FAILURE TO FURNISH ANY OF THE ABOVE REQUIRED DATA WILL BE REGARDED AS AMPLE REASON FOR THE REJECTION OF THE SHOP DRAWINGS. THE CONTRACTOR SHALL APPROVE			
	STANDARD COMMITTEE (ALSC) THAT INDICATES, AT A MINIMUM: I. GRADING AGENCY		FABRICATION DRAWINGS INDICATING SIZE, SHAPE AND LAYOUT PRIOR TO SUBMITTAL FOR REVIEW BY THE ARCHITECT AND THE ARCHITECT'S CONSULTANT.			
	2. AWPA USE CATEGORY 3. YEAR OF TREATMENT	h.	CONNECTOR PLATES TO BE DESIGNED BY TRUSS FABRICATOR. ALL PLATES SHALL BE A MINIMUM OF 0.036 INCHES IN THICKNESS, UNLESS NOTED OTHERWISE, AND SHALL BE			
	 4. PRESERVATIVE USED 5. PRESERVATIVE RETENTION 6. EXPOSURE CATEGORY 		MANUFACTURED FROM MATERIAL MEETING THE REQUIREMENTS OF ASTM A446, GRADE A STEEL. PLATES TO BE GALVANIZED IN ACCORDANCE WITH THE ASTM A525 G-60 SPECIFICATIONS.			
	7. TREATING COMPANY AND LOCATION 8. DRY OR KDAT		NDLING AND ERECTING TRUSSES HANDLE AND ERECT PRE-ENGINEERED WOOD TRUSSES FURNISHED UNDER THIS DIVISION.			
b.	9. SIZE AND LENGTH. PRESERVATIVE CLASSIFICATION:		PROVIDE ALL OTHER MATERIAL NOT PROVIDED BY THE TRUSS MANUFACTURER. BRACING FOR TRUSSES AND THE INSTALLATION OF SAME SHALL BE IN STRICT ACCORDANCE WITH TPI'S "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS" BWT-76, AND THE TRUSS			
	I. WATERBORNE, NON-COPPER BASED 2. INORGANIC BORON (SBX) 3. IN COMPLIANCE WITH AWPA PRESERVATIVE STANDARDS C2, M4, P5, P25 OR C9-10	b.	MANUFACTURER'S PROCEDURES AND SPECIFICATIONS. INSTALL ALL PERMANENT BRACING AND COMPONENTS PRIOR TO APPLICATION OF LOADS TO			
	 IN COMPLIANCE WITH AWPA USE CATEGORY STANDARDS UI AND TI SHALL NOT EXCEED THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY'S TOXIC 		TRUSSES.			
с.	CHARACTERISTIC LEACHING PROCEDURE (TLCP). SPECIES: CWC SOUTHERN YELLOW PINE GRADE No. 1 / No. 2, BENDING (Fb) MINIMUM 1,200 psi,		SCELLANEOUS FRAMING REQUIREMENTS USE CONTINUOUS, STAGGERED, SOLID WOOD BLOCKING AT MID-HEIGHT, UP TO 66 INCHES O.C. MAXIMUM, FOR ALL EXTERIOR LOAD-BEARING WOOD FRAMED WALLS, MATCH STUD DEPTH.			
	DRESSED 545. I. KILN DRIED TO A MAXIMUM MOISTURE CONTENT OF NINETEEN PERCENT (19%)	b.	PROVIDE TRIPLE STUDS AT CORNERS, DOUBLE JACK BEARING STUDS UNDER EACH END OF BEAMS, DOUBLE EXTERIOR AND INTERIOR LOAD-BEARING WALLS AND PARTITIONS, MATCH STUD			
d	 AWPA USE CATEGORY: 2, ABOVE GROUND, INTERIOR DAMP MINIMUM PRESERVATIVE RETENTION: 0.17 pcf CUTS AND BORED AREAS TREATED IN COMPLIANCE WITH AWPA STANDARD M4; BRUSH COAT 		WIDTH. JACK BEARING STUDS WITH ONE KING STUD UNDER EACH END OF INTERIOR HEADERS, AND DOUBLE JACK BEARING STUDS WITH DOUBLE-KING STUD UNDER EACH END OF EXTERIOR			
	WITH A COPPER NAPHTHENATE SOLUTION. USE WHERE LUMBER IS IN CONTACT WITH EARTH, CONCRETE AND/OR CONCRETE MASONRY IN	с.	HEADERS, UNLESS OTHERWISE NOTED. SEE DRAWINGS. PROVIDE A SINGLE, SILL/SOLE PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL STUD WALLS, MATCH STUD WIDTH.			
	ACCORDANCE SECTION 2304.11, OBC.		I. EXTERIOR WALL SILL/SOLE PLATES SHALL BE PRESERVATIVE TREATED WOOD AND SHALL BE ANCHORED TO THE FOUNDATION WALL IN ACCORDANCE WITH THE DRAWINGS. TYPES AND			
	WHEN REQUIRED, SUB-FLOORING: APA RATED SHEATHING, SPAN RATING 32/16, TONGUE AND GROOVE, EXTERIOR GLUE, CONFORMING WITH PS 1-95 SPECIFICATIONS. THICKNESS AS NOTED ON		PLACEMENT OF SILL/SOLE PLATE ANCHORING DEVICES SHALL CONFORM TO THE REQUIREMENTS OF OBC SECTION 2308.6, UNLESS OTHERWISE NOTED. SEE DRAWINGS.			
	DRAWINGS. I. INSTALL IN ACCORDANCE WITH U.L. DESIGN FIRE RESISTANCE RATING DETAILS AS SHOWN ON	d. e	BEAMS SHALL BE SINGLE ONE-PIECE LENGTH, FREE OF FINGER JOINTS, SCARF JOINTS OR MECHANICAL CONNECTIONS IN FULL. FURNISH WOOD HEADERS OVER OPENINGS IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS.			
b.	THE DRAWINGS. WHEN REQUIRED, UNDERLAYMENT: APA UNDERLAYMENT INT WITH EXTERIOR GLUE OR APA UNDERLAYMENT CC PLUGGED EXT, SQUARE EDGE, CONFORMING WITH PS 1-95 SPECIFICATIONS.	f.	UNLESS OTHERWISE NOTED, PROVIDE PLYWOOD WALL SHEATHING ON ALL EXTERIOR WALLS, CORNICES, PARAPETS, ETC.			
	THICKNESS AS NOTED ON DRAWINGS. I. INSTALL IN ACCORDANCE WITH U.L. DESIGN FIRE RESISTANCE RATING DETAILS AS SHOWN ON	g.	FURNISH AND INSTALL WOOD BRIDGING, BLOCKING, BRACING, ETC. FOR PRE-ENGINEERED WOOD ROOF TRUSSES AND WOOD FLOOR TRUSSES AS INDICATED ON THE TRUSS FABRICATOR'S			
с.	THE DRAWINGS WHEN REQUIRED, ROOF SHEATHING: APA STRUCTURAL I & II RATED SHEATHING EXT, SPAN RATING	h.	REVIEWED SHOP DRAWINGS. PROVIDE ALL ROUGH CARPENTRY COMPONENTS FOR WOOD BARRICADES, BRACING, BLOCKING, ETC., AS NEEDED OR REQUIRED TO COMPLETE THE WORK.			
d.	AS REQUIRED, CONFORMING WITH PS I-95 SPECIFICATIONS. THICKNESS AS NOTED ON DRAWINGS. WALL SHEATHING AND SEISMIC DIAPHRAGM BRACING: APA RATED SHEATHING EXT, SPAN RATING 32/16, CONFORMING WITH PS I-95 SPECIFICATIONS. THICKNESS AS NOTED ON DRAWINGS.	i.	PROVIDE DRAFTSTOP IN ACCORDANCE WITH OBC AND/OR AS INDICATED ON THE DRAWINGS. PAINT STENCIL "DRAFTSTOP-SEAL ALL PENETRATIONS" A MINIMUM OF FOUR FEET APART IN ANY			
е.	ELECTRICAL AND TELEPHONE EQUIPMENT BACKING PANELS: APA AC EXT, FIRE RETARDANT TREATED (F.R.T.) PLYWOOD, 3/4 INCHES MINIMUM THICKNESS.	0610 (0	DIRECTION. NTRACTOR'S RESPONSIBILITY			
f.	SHEATHING APA SOUTHERN PINE CDX, CCA TREATED, 0.60 Ib. PER CU. FT. DRY CHEMICAL		UNLESS OTHERWISE NOTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPERLY DESIGNED CONNECTORS FOR THE END SUPPORT OF ALL WOOD FRAMED MEMBERS. AS A			
	RETENTION. I. FURNISH THE FOLLOWING: UC2-INTERIOR DAMP; UC3B-ABOVE GROUND EXPOSED; UC4A-GROUND/EARTH CONTACT GENERAL USE; UC4B-GROUND/EARTH CONTACT HEAVY DUTY;		MINIMUM, ALL FASTENER CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF OBC SECTION 2304 AND THE FASTENING SCHEDULE LISTED IN OBC TABLE 2304.10.1.			
q.	UC4C-GROUND/EARTH CONTACT EXTREME DUTY.		 JOIST TO BEAMS, 16 GA. GALVANIZED JOIST HANGERS BY SIMPSON STRONG-TIE CO. PROVIDE SLOPED AND/OR SKEWED HANGERS WHERE REQUIRED. PROVIDE (1) PLYWOOD SUPPORT CLIP, BY SIMPSON STRONG-TIE CO., AT PANEL EDGES AND 			
	STRAND BOARD (OSB), AND COMPOSITE STRUCTURAL PANELS, (COM-PLY) MEETING APA PRP-108 PERFORMANCE STANDARDS WILL BE ACCEPTABLE FOR CONSTRUCTION PANELS. REFERENCE		 2. PROVIDE (I) FETALOOD SUFFORT CELL, DT SIMPSON STRONG-THE CO., AT FAILL EDGES AND EACH ROOF TRUSS BAY. 3. PROVIDE GALVANIZED STEEL CONNECTORS, WITH STEEL GAUGE AS NOTED, FOR WOOD 			
h.	STRUCTURAL DRAWINGS. WHEN REQUIRED, ATTIC DRAFT-STOPPING AND ARCHITECTURAL ELEMENTS DRAFT-STOPPING		FRAMING AS MANUFACTURED BY SIMPSON "STRONG-TIE" COMPANY. USE ONLY FASTENERS AS REQUIRED BY THE MANUFACTURER.			
T	(SOFFIT OVERHANGS, ETC.): 1/2 INCHES THICK MINIMUM OSB, VERTICAL AND HORIZONTAL JOINTS BACKED BY SOLID 2x (NOM.) WOOD BLOCKING. WHEN REQUIRED, UNDERLAYMENT BOARD: INSTALL "RECOVERY BOARD" FOR MEMBRANE		STENERS, CONNECTORS AND ANCHORS PROVIDE WOOD FRAMING FASTENERS OF SIZE AND TYPE FOR ANCHORING OR SECURING			
1.	ROOFING IN ACCORDANCE WITH ROOFING MANUFACTURER'S PUBLISHED SPECIFICATIONS AND DETAILS. FURNISH UNDERLAYMENT BOARD OF HIGH DENSITY WOOD FIBERBOARD WITH ASPHALT	ч.	FRAMING AND/OR WOODWORK TO CONCRETE, MASONRY, STEEL OR WOOD STRUCTURES IN ACCORDANCE WITH OBC CHAPTER 23 AND THE FASTENING SCHEDULE, OBC TABLE 2304.10.1.			
	COATED FACING, I/2 INCHES THICK IN MANUFACTURER'S STANDARD PANEL SIZES: I. COMPRESSIVE STRENGTH: 32 psi.	b.	PROVIDE BOLTS, PLATES, ANCHORS, HANGERS AND OTHER MISCELLANEOUS STEEL AND IRON SHAPES OF SIZE AND TYPE INDICATED ON THE DRAWINGS THAT COMPLY WITH REQUIREMENTS			
	2. DENGITY: 15.5 PCF. 3. R VALUE: 1.23		SPECIFIED IN THIS ARTICLE FOR MATERIAL AND MANUFACTURER. I. INSTALL THE WOOD FRAMING CONNECTORS, IN TYPES, CONFIGURATIONS, AND IN LOCATIONS AS SHOWN ON THE DRAWINGS.			
	IGINEERED WOOD PRODUCTS TRUS-JOIST MCMILLIAN CORP. "MICRO=LAM" LAMINATED VENEER LUMBER (LVL) BEAMS, HEADERS,		 MANUFACTURERS: SIMPSON STRONG-TIE, TECO BUILDING PRODUCTS AND BUILDERS FIRST CHOICE-BMC OR APPROVED EQUAL. 			
	ETC. OR APPROVED EQUAL. FURNISH DIMENSIONS AND SIZES INDICATED. FURNISH DOUGLAS FIR VENEER LUMBER GLUED IN A CONTINUOUS PROCESS WITH ALL GRAIN	с. d.				
	PARALLEL WITH LENGTH OF MEMBER. BEAMS SHALL BE SINGLE ONE-PIECE LENGTH, FREE OF FINGER JOINTS, SCARF JOINTS OR BEAMS SHALL BE SINGLE ONE-PIECE LENGTH, FREE OF FINGER JOINTS, SCARF JOINTS OR MECHANICAL CONNECTIONS IN FULL LENGTH OF MEMBERS.	е. f. q.	WOOD SCREMS: ASME BIB.6.1. LAG BOLTS: ASME BIB.2.1. BOLTS: STEEL BOLTS COMPLYING WITH ASTM A307, GRADE A; WITH ASTM A563 HEX NUTS AND,			
	FURNISH DESIGN STRESSES AS FOLLOWS: I. EXTREME FIBER STRESS IN BENDING (Fb): 2,800 psi (FOR 12 INCHES DEEP MEMBERS).	y. h.	WHERE INDICATED, FLAT WASHERS. EXPANSION ANCHORS: ANCHOR BOLT AND SLEEVE ASSEMBLY OF MATERIAL INDICATED BELOW			
	2. MODULUS OF ELASTICITY (E): 1,900,000 psi. 3. TENSION PARALLEL TO GRAIN (Ft): 1,850 psi.		WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO SIX TIMES THE LOAD IMPOSED WHEN INSTALLED IN UNIT MASONRY ASSEMBLIES AND EQUAL TO FOUR TIMES THE LOAD			
	4. COMPRESSION PARALLEL TO GRAIN (Fc): 2,900 psi. 5. COMPRESSION PERPENDICULAR TO GRAIN: 750 psi PERPENDICULAR AND PARALLEL TO		IMPOSED WHEN INSTALLED IN CONCRETE AS DETERMINED BY TESTING PER ASTM E488. I. MATERIAL: CARBON-STEEL COMPONENTS, ZINC PLATED TO COMPLY WITH ASTM B633, CLASS Fe/Zn 5			
-	GLUE LINE. 6. HORIZONTAL SHEAR (Fv): 285 psi PERPENDICULAR AND PARALLEL TO GLUE LINE. TRUS-JOIST MCMILLIAN CORP. PREFABRICATED WOOD "I" JOISTS (TJI) OR APPROVED EQUAL.	١.	SCREWS FOR FASTENING TO METAL FRAMING: ASTM CLOO2, LENGTH AS RECOMMENDED BY SCREW MANUFACTURER FOR MATERIAL BEING FASTENED.			
۵.	FURNISH DIMENSIONS AND SIZES INDICATED WITH FLANGES NOT LESS THAN I-1/2 INCHES WIDE. FURNISH UNITS MANUFACTURED BY BONDING STRESS-GRADED LUMBER FLANGES TO	ј.	ALL METAL FASTENERS, CONNECTORS, OR HARDWARE IN DIRECT-CONTACT WITH ANY PRESERVATIVE-TREATED LUMBER SHALL BE STAINLESS-STEEL TYPE 304 OR TYPE 316 OR HAVE			
	APA-PERFORMANCE-RATED PANEL WEBS WITH EXTERIOR-TYPE ADHESIVES COMPLYING WITH ASTM D2559, TO PRODUCE "I" SHAPED JOISTS COMPLYING WITH THE FOLLOWING REQUIREMENTS:		GALVANIZED-COATING THAT COMPLIES WITH THE ASTM A123 (CONNECTORS) OR A153 (FASTENERS) OR CLASS-D STANDARDS FOR FASTENERS AND HARDWARE. THE CONNECTORS AND FASTENERS MUST BE MADE OF THE SAME MATERIAL FOR COMPATIBILITY.			
	 FLANGE MATERIAL: JOIST MANUFACTURER'S STANDARD. WEB MATERIAL: JOIST MANUFACTURER'S STANDARD. ALLOWARI E DEGIGN STRESSES, AS RIBLICUED BY THE MANUEACTURER DETERMINED. 	k.				
	 ALLOWABLE DESIGN STRESSES: AS PUBLISHED BY THE MANUFACTURER, DETERMINED ACCORDING TO ASTM D5055, AND DEMONSTRATED BY COMPREHENSIVE TESTING PERFORMED BY QUALIFIED INDEPENDENT TESTING LABORATORY. 	I.	ALL EXTERIOR FASTENINGS, NAILS, ETC., TO BE NON-STAINING AND NON-CORROSIVE.e.			
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0612. EXTERIOR WOOD TRIM AND SHAPES

- IDE EXTERIOR WOOD TRIMS AS SHOWN ON THE DRAWINGS AND AS RIOR TRIMS SHALL BE FINISHED AS INDICATED ON THE DRAWINGS. FACTURER'S RECOMMENDATIONS FOR PROPER PREPARATION AND
- TERIOR MATERIAL: FACTORY PRIME PAINTED RADIATA FINGER-BRICK MOULDING: 1-1/4 INCH BY 2 INCH BY LENGTH REQUIRED.
- FLAT STOCK: 1x4 (NOM.) AND 1x6 (NOM.).
- MANUFACTURER: ALEXANDRIA MOULDING, PRIMELINX, OR EQUAL FASTENERS: DOUBLE DIPPED GALVANIZED AND AS RECOMMENT MANUFACTURER.

LLATION

- ISTALL WITH MINIMUM NUMBER OF JOINTS UTILIZING FULL LENGTH PI ENGTH OF MATERIAL AVAILABLE. TAGGER JOINTS IN ADJACENT AND RELATED MEMBERS.
- COPE AT RETURN, MITER AT CORNERS AND COMPLY WITH "QUALITY OINFRY
- BUTT JOINTS, EXCEPT AS DETAILED, ARE NOT ACCEPTABLE. PPLY SEALANT FOR COSMETIC, AIRTIGHT AND WATERTIGHT INSTA
- VIVISION OT OF THESE GENERAL NOTES. GEAL CUT ENDS OF EXTERIOR MATERIAL AS RECOMMENDED BY TH
- REFERENCE DIVISION OF OF THE GENERAL NOTES. TECT INSTALLED FINISH CARPENTRY MATERIALS AND MILLWORK U HE OWNER.

TION OF CARPENTRY RELATED ITEMS

- ISH AND INSTALL CARPENTRY RELATED ITEMS SUCH AS INSULATION ITIES OF WOOD OR METAL FRAMING COMPONENTS OR COVERING (PONENTS (I.E. PARTITION INTERSECTIONS AT EXTERIOR WALLS, INFI FELTS, ETC.), CAULKING, ADHESIVES, SILL SEAL, SHIMS, ETC., WHE HE DRAWINGS.
- LL DOORS, DOOR FRAMES AND DOOR HARDWARE, AND BORROW DIVISION OB OF THE GENERAL NOTES.
- ALL ITEMS SUCH AS TOILET ACCESSORIES, METAL LOCKERS, FIRE Extinguishers and signage furnished under division 10 of "
- ALL THE MANUFACTURED WOOD-VENEERED-FACED CASEWORK (CA WARE, AND PLASTIC-LAMINATED-CLAD COUNTERTOPS, BACK-SPL -SPLASHES SPECIFIED UNDER DIVISION 12 OF THE GENERAL NOTES ISTALL OWNER SELECTED HARDWARE TO WALL AND BASE CABINE IANUFACTURER'S INSTALLATION INSTRUCTIONS.
- CABINET HARDWARE SHALL COMPLY WITH ANSI A156.9. AND AI URNISH CUT-OUTS, USING TEMPLATES, FOR PLUMBING FIXTURES, ELI TEMPLATES TO BE PROVIDED BY THE RESPECTED TRADE REG

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

	DIVISION 07 - THERMAL AND MOISTURE PROTECTION	
AS NOTED HEREIN.	0700. PROVIDE SUBMITTALS IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS. a. SHEET WATERPROOFING	
S. FOLLOW ND APPLICATION.	b. THERMAL INSULATION c. SOUND ATTENUATION BATT / BLANKET	
-JOINTED PINE SPECIES.	d. EXTERIOR INSULATION AND FINISH SYSTEMS	N.
	e. MOISTURE BARRIER (VAPOR RETARDER) f. AIR BARRIER AIR JARRIER	
NL. ENDED BY THE	g. SILL SEALER h. WEATHER BARRIERS	
	i. ASPHALT SHINGLES j. METAL ROOF PANELS	the: DISABILITIE
PIECES FROM MAXIMUM	K. ALUMINUM SIDING I. PLASTIC SIDING	B
ry standards" for	m. MEMBRANE R <i>OO</i> FING n. SHEET METAL FLASHING	V
IT STANDARDS TOR	O. JOINT SEALANTS	the: DIS
TALLATION. REFERENCE	0701. REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION a. AMERICAN ARCHITECTURE MANUFACTURERS ASSOCIATION (AAMA)	$D \stackrel{\leftarrow}{=} D$
THE MANUFACTURER.	I. AAMA 621, VOLUNTARY SPECIFICATIONS FOR HIGH PERFORMANCE ORGANIC COATING ON COIL COATED ARCHITECTURAL HOT-DIPPED GALVANIZED AND ZINC-ALUMINUM COATED STEEL	for AL]
	SUBSTRATES	
UNTIL FINAL ACCEPTANCE	2. AAMA 2605, VOLUNTARY SPECIFICATION, PERFORMANCE REQUIREMENTS AND TEST PROCEDURES FOR SUPERIOR PERFORMING ORGANIC COATINGS ON ALUMINUM EXTRUSIONS AND	Z Ii.
	PANELS b. SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA)	ce Building OPMENT
ION, DIVISION 07, IN WOOD FRAMING	I. SMACNA, ARCHITECTURAL SHEET METAL MANUAL c. CARLISLE SYNTEC SYSTEMS	
FILTRATION BARRIERS, HETHER OR NOT INDICATED	I. DR-05-II, INSULATION FASTENING PATTERNS 2. DR-08-II, WOOD NAILERS AND SECUREMENT CRITERIA)P
WED LITES, FURNISHED	3. SPECIFICATION SUPPLEMENT 4. SYSTEM DETAILS	
	d. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) I. OSHA 29 CFR 1910 SUBPART D, WALKING, WORKING SURFACES, GENERAL INDUSTRY	aintenance Building DEVELOPMENT/
EXTINGUISHER CABINETS, THE GENERAL NOTES.	2. OSHA 29 CFR 1910.28, SAFETY REQUIREMENTS FOR SCAFFOLDING, GENERAL INDUSTRY	EV Ite
CABINETS) AND CABINET PLASHES AND	 OSHA 29 CFR 1926 SUBPART L, SCAFFOLDING, CONSTRUCTION INDUSTRY OSHA 29 CFR 1926, SUBPART M, FALL PROTECTION, CONSTRUCTION 	OE DE
ES. NETS IN ACCORDANCE WITH	e. NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) I. NRCA ROOFING MANUAL: MEMBRANE ROOFING SYSTEMS	Μa FI
AII7.I REQUIREMENTS.	2. NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL AND REROOFING	
LECTRICAL DEVICES, ETC.	 F. SINGLE PLY ROOFING INDUSTRY (SPRI) I. ANSI/SPRI WD-I, WIND DESIGN STANDARD PRACTICES FOR ROOFING ASSEMBLIES 	New RD O
EQUIRING THE CUT-OUT.	2. ANSI/SPRI ES-I, WIND DESIGN STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING	
	SYSTEMS 3. ANSI/SPRI FX-I, STANDARD FIELD TEST PROCEDURE FOR DETERMINING THE WITHDRAWAL REGISTANCE OF ROOFING FASTENERS	and a N BOARJ
	RESISTANCE OF ROOFING FASTENERS g. FACTORY MUTUAL GLOBAL RESEARCH STANDARDS (FM)	and 30A
	I. FM 4474, AMERICAN STANDARD FOR EVALUATING THE SIMULATED WIND UPLIFT RESISTANCE OF ROOF ASSEMBLIES USING STATIC POSITIVE AND/OR NEGATIVE DIFFERENTIAL PRESSURES	B S S
	 PROPERTY LOSS PREVENTION DATA SHEET FM I-O, SAFEGUARDS DURING CONSTRUCTION, ALTERATION AND DEMOLITION 	Alterations OUNTY]
	 PROPERTY LOSS PREVENTION DATA SHEET FM I-28, WIND DESIGN PROPERTY LOSS PREVENTION DATA SHEET FM I-29, ROOF DECK SECUREMENT AND ABOVE 	Alteration COUNTY
	DECK ROOF COMPONENTS 5. PROPERTY LOSS PREVENTION DATA SHEET FM I-30, REPAIR FOR WIND DAMAGED ROOF	C er:
	SYSTEMS	O It
	6. PROPERTY LOSS PREVENTION DATA SHEET FM I-49, PERIMETER FLASHING 7. PROPERTY LOSS PREVENTION DATA SHEET FM I-52, FIELD UPLIFT TESTS	
	h. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) I. ANSI/EMI 99A, AMERICAN NATIONAL STANDARD FOR EXTERIOR INSULATION AND FINISH SYSTEM	acility <i>A</i> ELD C Avenue hio 43130
	 ANSI/FM 4880, EVALUATING INSULATED WALL OR WALL AND ROOF/CEILING ASSEMBLIES; PLASTIC INTERIOR MATERIALS; PLASTIC EXTERIOR BUILDING PANELS; WALL/CEILING COATING 	
	SYSTEMS; INTERIOR OR EXTERIOR FINISH SYSTEMS I. INTERNATIONAL CODE COUNCIL EVALUATION SERVICES, INC. (ICC ES)	
	I. ICC ES AC219, ACCEPTANCE CRITERIA FOR INSULATION AND FINISH SYSTEMS	Office Fac FAIRFIE 795 College A Lancaster, Ohi
	J. UNDERWRITER'S LABORATORIES, LLC (UL) I. UL 580, STANDARD TESTS FOR UPLIFT RESISTANCE OF ROOF ASSEMBLIES	ffice AIRF 5 Colley ancaster,
	2. UL 1897, STANDARD UPLIFT TESTS FOR ROOF COVERING MATERIALS k. DRYVIT SYSTEMS, INC.	Ofj FA 795 Land
	I. DS I3I, POLYSTYRENE INSULATION BOARD SPECIFICATION 2. DS I52, CLEANING AND RECOATING	
	 DS 153, EXPANSION JOINTS AND SEALANTS DS 161, DETAILS 	TINT
	5. DS 168, OUTSULATION MD SYSTEM SPECIFICATIONS 6. DS 169, APPLICATION INSTRUCTIONS	
	I. NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) I. NCMA 19-6A, JOINT SEALANTS FOR CONCRETE MASONRY WALLS	
	m. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)	A R C H I T E C T S 426 EAST MAIN STREET
	I. ASTM AI53, STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE	LANCASTER, OHIO 43130
	 ASTM AI67, STANDARD SPECIFICATION FOR STAINLESS AND HEAT-RESISTING CHROMIUM-NICKEL STEEL PLATE, SHEET AND STRIP 	phone: (740) 654-4048 facsimile: (740) 654-3009
	3. ASTM A653, STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOW-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS	Copyright ~ 2023
	4. ASTM AT55, STANDARD SPECIFICATION FOR STEEL SHEET, METALLIC COATED BY THE HOT-DIP PROCESS AND PRE-PAINTED BY THE COIL COATING PROCESS FOR EXTERIOR EXPOSED	All drawings are and shall be the property of VPL Architect's, Inc., and may not be
	BUILDING PRODUCTS	used, duplicated, or altered without the written consent of the Architect
	5. ASTM B209, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM-ALLOY SHEET AND PLATE 6. ASTM (578) STANDARD SPECIFICATION FOR RIGID, CELLIL AR POLYSTYPENE THERMAL	
	6. ASTM C578, STANDARD SPECIFICATION FOR RIGID, CELLULAR POLYSTYRENE THERMAL INSULATION	COMMISSION No.
	 ASTM C665, STANDARD SPECIFICATION FOR MINERAL-FIBER BLANKET THERMAL INSULATION FOR LIGHT FRAME CONSTRUCTION AND MANUFACTURED HOUSING 	P2118
	8. ASTM CTIT, STANDARD TERMINOLOGY OF BUILDING SEALS AND SEALANTS 9. ASTM CT39, STANDARD SPECIFICATION FOR CELLULOSIC FIBER LOOSE-FILL THERMAL	ISSUE MARK DATE
	INSULATION 10. ASTM C164, STANDARD SPECIFICATION FOR MINERAL FIBER LOOSE-FILL THERMAL INSULATION	PROGRESS FINAL OI/27/2023 BIDDING 02/15/2023
	II. ASTM C834, STANDARD SPECIFICATION FOR LATEX SEALANTS 12. ASTM C919, STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS	
	13. ASTM C920, STANDARD SPECIFICATION FOR ELASTOMERIC JOINT SEALANTS 14. ASTM C1015, STANDARD PRACTICE FOR INSTALLATION OF CELLULOSIC AND MINERAL FIBER	
	LOOSE-FILL THERMAL INSULATION	
	15. ASTM CII36, STANDARD SPECIFICATION FOR FLEXIBLE, LOW PERMEANCE VAPOR RETARDERS FOR THERMAL INSULATION	
	16. ASTM CIITT, STANDARD SPECIFICATION FOR GLASS MAT GYPSUM SUBSTRATE FOR USE AS SHEATHING	
	17. ASTM CII86, STANDARD SPECIFICATION FOR FLAT FIBER-CEMENT SHEETS 18. ASTM CII93, STANDARD GUIDE FOR USE OF JOINT SEALANTS	
	19. ASTM CI289, STANDARD SPECIFICATION FOR FACED RIGID CELLULAR POLYISOCYANURATE THERMAL INSULATION BOARD	
	20.ASTM CI320, STANDARD PRACTICE FOR INSTALLATION OF MINERAL FIBER BATT AND BLANKET THERMAL INSULATION FOR LIGHT FRAME CONSTRUCTION	
	21. ASTM CI330, STANDARD SPECIFICATION FOR CYLINDRICAL SEALANT BACKING FOR USE WITH COLD LIQUID APPLIED SEALANTS	DRAWN BY: AB, njp
	22.ASTM CI397, STANDARD PRACTICE FOR APPLICATION OF CLASS PB EXTERIOR FINISH AND INSULATION SYSTEMS AND EIFS WITH DRAINAGE	F. OF AL
	23. ASTM CI472, STANDARD GUIDE FOR CALCULATING MOVEMENT AND OTHER EFFECTS WHEN	ALP.
	ESTABLISHING SEALANT JOINT WIDTH 24.ASTM CI520, STANDARD GUIDE FOR PAINTABILITY OF LATEX SEALANTS	NICHOLAS
	25. ASTM D226, STANDARD SPECIFICATION FOR ASPHALT-SATURATED ORGANIC FELT USED IN ROOFING AND WATERPROOFING	* PALLADINO *
	26.ASTM DI970, STANDARD SPECIFICATION FOR SELF-ADHERING POLYMER MODIFIED BITUMINOUS SHEET MATERIAL USED AS STEEP ROOFING UNDERLAYMENT FOR ICE DAM PROTECTION	
	27. ASTM D2178, STANDARD SPECIFICATION FOR ASPHALT GLASS FELT USED IN ROOFING AND WATERPROOFING	ERED ARCHIE
	28.ASTM D3462, STANDARD SPECIFICATION FOR ASPHALT SHINGLES MADE FROM GLASS FELT AND SURFACED WITH MINERAL GRANULES	Will himse
	29. ASTM D4586, STANDARD SPECIFICATION FOR ASPHALT ROOF CEMENT	Nicholas J. Palladino License No. 12669
	30.ASTM D4637, STANDARD SPECIFICATION FOR EPDM SHEET USED IN SINGLE-PLY ROOF MEMBRANE	Expiration Date: December 31, 2023
	31. ASTM D4811, STANDARD SPECIFICATION FOR NONVULCANIZED (UNCURED) RUBBER SHEET USED	GENERAL NOTES

GENERAL NOTES

DIVISION 05

THROUGH

DIVISION 07

DRAWING NUMBER

GN-05

- 31. ASTM D4811, STANDARD SPECIFICATION FOR NONVULCANIZED (UNCURED) RUBBER SHEET USED AS ROOF FLASHING
- 32. ASTM D4869, STANDARD SPECIFICATION FOR ASPHALT-SATURATED ORGANIC FELT UNDERLAYMENT USED IN STEEP SLOPE ROOFING 33. ASTM D6369, STANDARD GUIDE FOR DESIGN STANDARD FLASHING DETAILS FOR EPDM ROOF
- MEMBRANES 34. ASTM DTIB6, STANDARD PRACTICE FOR QUALITY ASSURANCE OBSERVATION OF ROOF
- CONSTRUCTION AND REPAIR 35. ASTM E84, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING
- MATERIALS 36. ASTM E413, CLASSIFICATION FOR RATING SOUND INSULATION

DIVISION 07 - THERMAL AND MOISTURE PROTECTION. CONTINUED

- 0701. 37. ASTM E1643, STANDARD PRACTICE FOR SELECTION, DESIGN, INSTALLATION AND INSPECTION 0709. EXTERIOR INSULATION AND FINISH SYSTEM (E.I.F.S.) OF WATER VAPOR RETARDERS USED IN CONTACT WITH EARTH OR GRANULAR FILL UNDER
 - CONCRETE SLABS 38. ASTM EI745, STANDARD SPECIFICATION FOR PLASTIC WATER VAPOR RETARDERS USED IN
 - CONTACT WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLABS
 - 39. ASTM E2430, STANDARD SPECIFICATION FOR EXPANDED POLYSTYRENE (EPS) THERMAL
 - INSULATION BOARDS FOR USE IN EXTERIOR INSULATION AND FINISHING SYSTEM 40. ASTM E2511, STANDARD GUIDE FOR DETAILING OF EIFS-CLAD WALL ASSEMBLIES
 - 41. ASTM F1667, STANDARD SPECIFICATION FOR DRIVEN FASTENERS: NAILS, SPIKES AND STAPL FS
 - 42. ASTM F2329, STANDARD SPECIFICATION FOR ZINC COATING, HOT-DIP REQUIREMENTS FOR APPLICATION TO CARBON AND ALLOY STEEL BOLTS, SCREWS, WASHERS, NUTS AND SPECIAL THREADED FASTENERS
 - n. SEALANT, WATERPROOFING AND RESTORATION INSTITUTE (SWRI)
 - I. SEALANTS: THE PROFESSIONAL'S GUIDE

0702. CODE COMPLIANCE

a. THERMAL INSULATING MATERIALS SHALL BE IN ACCORDANCE WITH OBC CHAPTER 7. INSULATING MATERIALS SHALL HAVE A FLAME SPREAD RATING OF 15 OR LESS, AND SMOKE-DEVELOPED RATING OF 450 OR LESS.

0703. EXAMINATION

- a. EXAMINE SUBSTRATES, STRUCTURE AND INSTALLATION CONDITIONS. DO NOT PROCEED WITH ANY PORTION OF THE WORK UNDER THIS DIVISION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED
- b. INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITY FOR SATISFACTORY PERFORMANCE.

0704. THERMAL INSULATION

- a. PROVIDE APPROPRIATE THERMAL INSULATION ASSEMBLIES FOR FOUNDATIONS, EXTERIOR WALLS, ATTIC SPACES AND ROOFS ASSEMBLIES AS INDICATED ON THE DRAWINGS. INCLUDES NETTING, WIRE STAYS, VAPOR BARRIERS, SEAL TAPE AND ALL OTHER ITEMS AND INCIDENTALS WHICH MAY BE REQUIRED.
- b. THERMAL INSULATIONS SHALL CONTAIN NO FORMALDEHYDE.
- c. FLAT AND TAPERED FOAM ROOF INSULATION WITH FIBER-EINFORCED FACERS: ASTM CI289 AND ASTM DI621. PROVIDE MINIMUM R-VALUE WITH THICKNESSES NEEDED AS INDICATED ON THE DRAWINGS
- a) CLOSED CELL POLYISOCYANURATE FOAM CORE BONDED TO FIBER-REINFORCED FACERS BOTH SIDES, TYPE II, CLASS I WITH SQUARE EDGE. b) FM APPROVAL, WIND UPLIFT CLASSIFICATION: 1-90
- c) COMPRESSIVE STRENGTH: 25 POUNDS PER SQUARE INCH, GRADE 3
- d. EXTRUDED POLYSTYRENE INSULATION BOARD: ASTM C578. PROVIDE MINIMUM R-VALUE WITH THICKNESSES NEEDED AS INDICATED ON THE DRAWINGS
- I. IF NOT OTHERWISE INDICATED, EXTEND FOUNDATION INSULATION A MINIMUM OF 24 INCHES BELOW EXTERIOR GRADE LINE. USE MANUFACTURER'S RECOMMENDED ADHESIVE TO INSTALL PERIMETER INSULATION ON VERTICAL SURFACES.
- 2. FM APPROVAL, WIND UPLIFT CLASSIFICATION: 1-90
- COMPRESSIVE STRENGTH: 25 POUNDS PER SQUARE INCH, GRADE 3. MAXIMUM FLAME SPREAD 75, SMOKE DEVELOPED 450.
- e. UN-FACED GLASS FIBER BLANKET INSULATION: ASTM C665 TYPE I, CLASSIFIED AS NON-COMBUSTIBLE IN ACCORDANCE WITH ASTM EI36. PROVIDE MINIMUM R-VALUE WITH THICKNESSES NEEDED AS INDICATED ON THE DRAWINGS.
- I. MAXIMUM FLAME SPREAD 25, SMOKE DEVELOPED 50.
- F. MINERAL FIBER INSULATION: BLANKET ASTM C553; BLOCK AND BOARD ASTM C612; LIGHT FRAME CONSTRUCTION ASTM C665. PROVIDE MINIMUM R-VALUE WITH THICKNESSES NEEDED AS INDICATED ON THE DRAWINGS
- INSTALL ACCORDING TO ASTM CI320.
- MAXIMUM FLAME SPREAD 25, SMOKE DEVELOPED 50.
- LOOSE FILL INSULATION: MINERAL FIBER ASTM C764; CELLULOSIC FIBER ASTM C739; GLASS FIBER ASTM C764. PROVIDE MINIMUM R-VALUE WITH THICKNESSES NEEDED AS INDICATED ON THE DRAWINGS.
- I. TYPE I FOR PNEUMATIC APPLICATION.
- TYPE 2 FOR POURED APPLICATION. MAXIMUM FLAME SPREAD 5, SMOKE DEVELOPED 5.
- INSTALL ACCORDING TO ASTM CIOI5.
- PROVIDE EAVE VENTILATION BAFFLES AT ATTIC AT ROOF TRUSSES IN ACCORDANCE WITH
- MANUFACTURER'S WRITTEN INSTRUCTIONS, DETAILS AND SPECIFICATIONS. MANUFACTURERS: DOW CHEMICAL, TENNECO BUILDING PRODUCTS, DIVERSIFOAM, UC INDUSTRIES,
- HUNTER PANELS, OWENS CORNING, CERTAINTEED, JOHNS MANVILLE OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH THE REFERENCED ASTM STANDARDS AND THE MANUFACTURER'S
- PRINTED INSTRUCTIONS, DETAILS AND SPECIFICATIONS. ENSURE TIGHT FIT AROUND ALL OBSTRUCTIONS AND FILL ALL VOIDS. 2. COORDINATE WATER LINES LOCATED IN EXTERIOR WALLS. WATER LINE IS TO BE
- ENCAPSULATED IN INSULATION AND LOCATED ON THE WARM SIDE OF THE WALL INSULATION. a) REFER TO PLUMBING DRAWINGS. PRIOR TO INSTALLATION, APPLY JOINT SEALANT, SPECIFIED IN THIS DIVISION, TO LOCATIONS
- AS SPECIFIED BY MANUFACTURER AND AS INDICATED. PENETRATIONS THROUGH EXTERIOR WALL SHEATHING
- BOTTOM OF WALL FRAMING SILL PLATE ON EXTERIOR WALLS.
- 3. VOIDS AROUND WINDOWS AND DOORS THAT ARE TOO NARROW FOR INSULATION. k. REFERENCE OTHER SECTIONS OF THIS DIVISION FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS.
- 0105. SOUND ATTENUATION BATTS / BLANKETS
 - a. FURNISH AND INSTALL THE SOUND ATTENUATION BATTS OR BLANKETS (SAB): ASTM E413 FOR TIGHT FRICTION FIT BETWEEN FRAMING MEMBERS, AND / OR LAID UPON SUSPENDED CEILING PANELS MEETING REQUIREMENTS OF ASTM C553 OR ASTM C665, TYPE I, CLASSIFIED AS NON-COMBUSTIBLE IN ACCORDANCE WITH ASTM EI36 REQUIREMENTS. PROVIDE THICKNESS REQUIRED FOR AN SOUND TRANSMISSION CLASS (STC) RATING OF:
 - I. WOOD FRAMED PARTITION WITH 5/8 INCH GYPSUM BOARD BOTH SIDES AND CAVITY FILL: 35 TO 39. 2. METAL STUD FRAMED PARTITION WITH 5/8 INCH GYPSUM BOARD BOTH SIDES AND CAVITY
 - FILL: 44.
 - b. ENSURE TIGHT FIT AROUND ALL OBSTRUCTIONS AND FILL ALL VOIDS. FURNISH AND INSTALL
 - ACOUSTICAL INSULATIONS FOR SOUND WALLS AND PARTITIONS AS SHOWN ON THE DRAWINGS. c. AT STC RATED ASSEMBLIES, PROVIDE SEALANT AT BASE OF WALL, ACOUSTICAL CEILING WALL ANGLE AND WALL, FLOOR AND GYPSUM WALLBOARD CEILING PENETRATIONS.
 - d. MANUFACTURER'S:
 - . CERTAINTEED CORP
 - 2. OWENS CORNING.
 - 3. GUARDIAN BUILDING PRODUCTS, INC.
 - 4. JOHNS-MANVILLE BUILDING MATERIALS. 5. OR APPROVED EQUAL.

e. INSTALL ACOUSTICAL INSULATIONS AND OTHER MATERIALS ACCORDING TO ASTM CI320 REQUIREMENTS AND THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

0706. MOISTURE BARRIERS

- a. PROVIDE POLYETHYLENE MOISTURE BARRIER OVER UNFACED THERMAL INSULATION AND BELOW CONCRETE SLAB-ON-GRADE AS INDICATED ON THE DRAWINGS.
- b. MATERIAL I. CONCRETE SLAB-ON-GRADE: 6 MIL; ASTM E1745; CLASS A; MAXIMUM PERMEANCE RATING OF
- 0.06. 2. THERMAL INSULATION: 6 MIL; ASTM CII36 AND ASTM D4397; INSTALLATION IN ACCORDANCE 0711. ICE BARRIER MEMBRANE - MAINTENANCE BUILDING WITH ASTM CII36; MAXIMUM PERMEANCE RATING OF 0.06.
- MANUFACTURERS: MP GLOBAL, ROBERTS, POLY-COVER, OR APPROVED EQUAL.
- c. AT THERMAL INSULATION, SEAL ALL JOINTS USING PRESSURE SENSITIVE TAPE RECOMMENDED BY THE MANUFACTURER.
- I. SEAL ALL PENETRATIONS USING MASTIC TYPE MATERIAL RECOMMENDED BY THE MANUFACTURER.
- d. JOINT OVERLAP AT WALLS SHALL BE A MINIMUM OF 32 INCHES FOR STUDS SET AT 16 INCHES ON CENTER AND 24 INCHES FOR STUDS SET AT 24 INCHES ON CENTER AND ARE TO BE LOCATED OVER FRAMING MEMBERS.
- e. JOINT OVERLAP AT SLAB-ON-GRADE SHALL BE MINIMUM OF 24 INCHES. F. PLACEMENT, PROTECTION AND REPAIR SHALL COMPLY WITH ASTM EI643.
- I. AT THERMAL INSULATION: REPAIR TEARS AND PUNCTURES WITH ANOTHER LAYER OF MATERIAL SPANNED BETWEEN WALL STUDS AND FROM SOLE PLATE TO CEILING FRAMING
- 2. AT SLAB-ON-GRADE: REPLACE SHEETS THAT ARE TORN, PUNCTURED OR OTHER SIMILAR DAMAGE.
- 0101. ASPHALT SATURATED ROOF FELT PAPER MAINTENANCE BUILDING
 - a. PROVIDE AND APPLY THE 36 IN. WIDE, ASTM D226, UL LISTED, 15 lbs./sq., UN-PERFORATED, ASPHALT SATURATED ROOFING FELT
 - b. APPLY OVER PLYWOOD / OSB ROOF SHEATHING UNDER ROOF SHINGLES. c. MANUFACTURERS: GAF MATERIALS, TARAH ASPHALT PRODUCTS, UNITED ROOFING
 - MANUFACTURERS, GAP ROOFING PRODUCTS OR APPROVED EQUAL. e. INSTALL SYSTEM IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND
- SPECIFICATIONS AND OBC CHAPTER 15 REQUIREMENTS.
- 0708. SILL SEALER MAINTENANCE BUILDING
- a. FURNISH AND INSTALL CONTINUOUS PREMIUM ENERGY SILL SEALER, MINIMUM 3/8 INCHES THICK, UNDER CONTINUOUS WOOD PLATE AND/OR LIGHT GAUGE METAL TRACK AT THE TOP OF CAST-IN-PLACE CONCRETE AND/OR CONCRETE MASONRY UNIT FOUNDATION WALLS I. INSTALL AT PARAPET WALLS WHERE INDICATED.
- b. MANUFACTURERS: PROTECTO WRAP CO. OR APPROVED EQUAL.

- a. PROVIDE THE EIFS AS INDICATED ON THE DRAWINGS. b. PROVIDE MANUFACTURER'S WARRANTY AGAINST DEFECTS IN MATERIAL FO YFARS
- c. MATERIAL
- I. INSULATION BOARD
- a) MOLDED CLOSED CELL EXPANDED POLYSTYRENE, TYPE I
- b) COMPLY WITH ASTM C578, ASTM E2430, DRYVIT DS I3I AND EIMA SPECIFICATION FOR EXPANDED POLYSTYRENE INSULATION BOARD
- c) WITH VERTICAL DRAINAGE GROOVES ON ONE FACE: 1/4 INCH BY
- INCHES ON CENTER d) DENSITY: MINIMUM 0.95 POUNDS PER CUBIC FOOT, MAXIMUM 1.25 PC
- e) COMPRESSIVE STRENGTH: MINIMUM IO psi
- f) TENSILE STRENGTH: MINIMUM 15 psi
-) FLEXURAL STRENGTH: MINIMUM 25 psi
- h) WATER VAPOR PERMEANCE: MAXIMUM 25 PERM AT ONE INCH THICK i) WATER ABSORPTION: MAXIMUM FOUR PERCENT (4%) BY TOTAL IMME
- OXYGEN INDEX: MINIMUM 24
- k) FLAME SPREAD: MAXIMUM 25
- I) SMOKE DEVELOPMENT: MAXIMUM 450 m) THICKNESS: VARIES; MINIMUM TWO INCHES THICK (AFTER SANDING), INCHES THICK (AFTER SANDING)
- 2. SHEET METAL FLASHING
- a) STAINLESS STEEL, MINIMUM 26 GAUGE
- b) CONTINUOUS AND WATERTIGHT; DESIGNED AND INSTALLED TO PRE INFILTRATION BEHIND THE EIFS
- 3. SUBSTRATE EDGE FLASHING a) FLASHING TAPE: HIGH DENSITY, POLYETHYLENE FILM BACKED WITH ASPHALT ADHESIVE
- b) SURFACE CONDITIONER: WATER-BASED; ADHESION PROMOTER FO
- 4. ADHESIVE: FACTORY BLENDED, NONCEMENTITIOUS, WATER-BASED ACK USED TO ATTACH INSULATION BOARD TO THE AIR/WATER-RESISTIVE E
- 5. STARTER STRIP: AGED EXPANDED POLYSTYRENE; CONFIGURED TO AC
- TRACK: J-SHAPED COMPLYING WITH ASTM DI784 AND ASTM CI063 VENT TRACK: J-SHAPED COMPLYING WITH ASTM DI784 AND ASTM CIO
- SLOT FOR DRAINAGE
- 8. TRACK ADHESIVE: MOISTURE CURE, URETHANE BASED

OTIO. WEATHER BARRIERS - EXTERIOR WALL

- BASE COAT: FACTORY MIXED, FULLY FORMULATED, WATER-BASED; OF BLENDED, FIELD MIXED CEMENTITIOUS, COPOLYMER-BASED
- 10. FINISH COAT SHALL BE AN ACYRLIC BASED, TEXTURED COATING, CO AS SELECTED BY THE OWNER FROM THE MANUFACTURER'S STANDARD

09.	a.	ERIOR INSULATION AND FINISH SYSTEM (E.I.F.S.) PROVIDE THE EIFS AS INDICATED ON THE DRAWINGS. PROVIDE MANUFACTURER'S WARRANTY AGAINST DEFECTS IN MATERIAL FOR A PERIOD OF 15	0712.		OF SHINGLES - <u>MAINTENANCE BUILDING</u> FURNISH AND INSTALL THE ROOFING SHINGLES WHERE SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH OBC CHAPTER IS REQUIREMENTS.	0716.		ters Pro Dra
		YEARS. MATERIAL		b.	MINIMUM STANDARDS: I. U L 790 CLASS A FIRE RESISTANCE.			CONO BRA
		I. INSULATION BOARD a) MOLDED CLOSED CELL EXPANDED POLYSTYRENE, TYPE I			 ASTM D3018 TYPE I, ICC-ES ESR-1389 AND ESR-3537 ASTM D3462, CSA STANDARD AI23.5 ASTM D3161, CLASS E MIND DESISTANCE 			othe I.
		 b) COMPLY WITH ASTM C578, ASTM E2430, DRYVIT DS I3I AND EIMA GUIDELINE SPECIFICATION FOR EXPANDED POLYSTYRENE INSULATION BOARD 		۵.	4. ASTM D3I6I, CLASS F WIND RESISTANCE SHINGLE COMPOSITION: ALGAE RESISTANT, FIBER GLASS MAT BASE, WATER-RESISTANT ASPHALT EMBEDDED CERAMIC-COATED MINERAL GRANULES WITH FULL SHINGLE WIDTH SELF-SEALING			MININ Mate
		c) WITH VERTICAL DRAINAGE GROOVES ON ONE FACE: 1/4 INCH BY I INCH, SPACED 12 INCHES ON CENTER			ADHESIVE STRIPS. I. WEIGHT / SQUARE: 240 TO 270 lbs.		с.	
		d) DENSITY: MINIMUM 0.95 POUNDS PER CUBIC FOOT, MAXIMUM 1.25 POUNDS PER CUBIC FOOT			 MEIGHT / SQUARE: 240 TO 270 IDS. DIMENSIONS: 13 1/4 INCHES x 38 3/4 INCHES. WEATHER EXPOSURE: 5 5/8 INCHES. 			1
		e) COMPRESSIVE STRENGTH: MINIMUM 10 psi f) TENSILE STRENGTH: MINIMUM 15 psi		d.	INSTALL SHINGLES IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. I. STAPLES ARE NOT PERMITTED FOR ANCHORING OF SHINGLES.			1
		g) FLEXURAL STRENGTH: MINIMUM 25 psi h) WATER VAPOR PERMEANCE: MAXIMUM 25 PERM AT ONE INCH THICK		e.	SUBMIT APPLICATOR'S IS YEAR WARRANTY AND MANUFACTURER'S LIFE TIME WARRANTY TO OWNER AND ARCHITECT.			2.
		I) WATER ABSORPTION: MAXIMUM FOUR PERCENT (4%) BY TOTAL IMMERSION J) OXYGEN INDEX: MINIMUM 24		f. a.	MANUFACTURERS: CERTAINTEED, CELOTEX, OWENS-CORNING, GAF, TAMKO OR APPROVED EQUAL. ROOF FLASHINGS			3 <u>.</u> 4.
		k) FLAME SPREAD: MAXIMUM 25 1) SMOKE DEVELOPMENT: MAXIMUM 450		9.	I. FURNISH 0.032 IN. THICK CORROSION-RESISTANT METAL FLASHINGS AND COUNTER-FLASHINGS, FACTORY FORMED AND FINISHED DRIP-EDGE AND VALLEY FLASHINGS.			5. 6.
		 m) THICKNESS: VARIES; MINIMUM TWO INCHES THICK (AFTER SANDING), MAXIMUM FOUR INCHES THICK (AFTER SANDING) 			a) JOIN AND OVERLAP AS REQUIRED TO ACHIEVE A WEATHER AND WATER-TIGHT ROOFING ASSEMBLY.			<i>0</i> . 7.
		2. SHEET METAL FLASHING a) STAINLESS STEEL, MINIMUM 26 GAUGE			 FURNISH ALL PENETRATION FLASHINGS. ALL FLASHINGS SHALL BE OF ROOFING MANUFACTURER'S APPROVED MATERIALS, AND 			ч. 8. 9.
		b) Continuous and Watertight; designed and installed to prevent water Infiltration behind the EIFS			INSTALLED IN ACCORDANCE WITH ROOFING MANUFACTURER'S AND S.M.A.C.N.A. WRITTEN AND DETAILED INSTRUCTIONS.		d.	INST, INST,
		3. SUBSTRATE EDGE FLASHING a) FLASHING TAPE: HIGH DENSITY, POLYETHYLENE FILM BACKED WITH A RUBBERIZED		h.	CONTINUOUS SHINGLE-RIDGE-CAP VENTILATOR 1. VENTILATING RIDGE CAP WITH VENTILATING MESH HAVING A MINIMUM NET FREE AREA OF 18			I
		ASPHALT ADHESIVE b) SURFACE CONDITIONER: WATER-BASED; ADHESION PROMOTER FOR FLASHING TAPE			SQ. IN. / LIN. FT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. 2. FURNISH VENTILATORS WITH BAFFLES TO PREVENT SNOW AND RAIN ENTERING AND WEEP		e .	-CON STOF
		4. ADHESIVE: FACTORY BLENDED, NONCEMENTITIOUS, WATER-BASED ACRYLIC COPOLYMER USED TO ATTACH INSULATION BOARD TO THE AIR/WATER-RESISTIVE BARRIER			HOLES TO ALLOW WATER TO DRAIN TO ROOF. 3. MANUFACTURERS: AIR VENT, ATLAS ROOFING, OR APPROVED EQUAL.		f.	WHEI I.
		 STARTER STRIP: AGED EXPANDED POLYSTYRENE; CONFIGURED TO ACCEPT TRACK TRACK: J-SHAPED COMPLYING WITH ASTM DI784 AND ASTM CI063 		i.	CONTRACTORS OPTION: BOX-TYPE ATTIC VENTILATORS. I. INSTALL BOX-TYPE, GALVANIZED STEEL WITH FACTORY PAINT FINISH, SELF-FLASHING, ATTIC			2.
		7. VENT TRACK: J-SHAPED COMPLYING WITH ASTM DI784 AND ASTM CI063; CONFIGURED WITH SLOT FOR DRAINAGE			VENTS HAVING 50 SQ. IN. OF "FREE AREA" WHERE SHOWN ON THE DRAWINGS; INSTALL IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.			3.
		 TRACK ADHESIVE: MOISTURE CURE, URETHANE BASED BASE COAT: FACTORY MIXED, FULLY FORMULATED, WATER-BASED; OR FACTORY 	0712	× /1¥	2. AIR VENT OR APPROVED EQUAL.	רודס.		PRO
		BLENDED, FIELD MIXED CEMENTITIOUS, COPOLYMER-BASED IO. FINISH COAT SHALL BE AN ACYRLIC BASED, TEXTURED COATING. COLOR(S) AND TEXTURE	0 115.		IYL SIDING PANELS AND ACCESSORIES - <u>MAINTENANCE BUILDING</u> FURNISH AND INSTALL THE VINYL SIDING MATERIALS AND REQUIRED ACCESSORIES WHERE			INDI(TERN
		AS SELECTED BY THE OWNER FROM THE MANUFACTURER'S STANDARD II. PRIMER TINTED TO MATCH THE SELECTED COLOR(S)		b.	INDICATED ON THE DRAWINGS. SIDING AND ACCESSORIES SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM D3679 REQUIREMENTS.		b.	REQ TEST
		12. REINFORCING MESH a) STANDARD: 4.3 OUNCES PER SQUARE YARD		с.	I. PROVIDE SIDING AND ACCESSORIES FROM A SINGLE SOURCE MANUFACTURER.			
		b) CORNER: 7.2 OUNCES PER SQUARE YARD c) DETAIL: 4.3 OUNCES PER SQUARE YARD		υ.	 I. SIDING PANEL: 0.046 INCHES MINIMUM SIMILAR TO CERTAINTEED'S "MONOGRAM 46". a) PROVIDE 0.092 INCHES THICK NAIL HEM. 			2. 3.
	d.	13. SEALANTS: ONLY USE EIFS MANUFACTURER APPROVED SEALANTS. MANUFACTURER: OUTSULATION MD BY DRYVIT SYSTEMS, INC.; BY PAREX, INC., SENERGY, STO		d.	A/ FROMIDE 0.042 INCHES THICK WAIL HEM. MANUFACTURERS: CERTAINTEED, ALSIDES, ALCOA (MASTIC), CRANE, OWENS-CORNING, OR OWNER APPROVED EQUAL.		с.	Mati I.
		FINISHING SYSTEMS OR APPROVED EQUAL. ALL PRODUCTS SHALL BE FROM ONE SOURCE, FROM A SINGLE MANUFACTURER.		e.	SIZE, COLOR, STYLE, AND TEXTURES AS SELECTED BY OWNER FROM MANUFACTURER'S STANDARDS.			~
	f.	DESIGN NEGATIVE WIND LOAD SHALL NOT EXCEED 50 PSF. INCLINED SURFACES		f.	INSTALL SIDING, ACCESSORIES, TRIMS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND ASTM D4746 REQUIREMENTS.			2.
	2	I. UNLESS OTHERWISE SPECIFICED BY THE MANUFACTURER, MINIMUM SLOPE IS SIX INCHES OF VERTICAL RISE IN 12 INCHES (MAXIMUM) HORIZONTAL RUN.	0714.	501	FFIT AND FASCIA PANELS - MAINTENANCE BUILDING			
		SUBSTRATE SYSTEM SHALL BE ENGINEERED TO WITHSTAND APPLICABLE DESIGN LOADS, INCLUDING THE REQUIRED		а.	FURNISH AND INSTALL FACTORY FORMED AND FINISHED, "V" GROOVED ALUMINUM, SOLID AND PERFORATED, SOFFIT PANELS, "RIBBED" ALUMINUM FASCIA PANELS AND ACCESSORIES AS			3.
		SAFETY FACTOR. I. MAXIMUM DEFLECTION UNDER POSITIVE OR NEGATIVE DESIGN LOADS SHALL NOT EXCEED			SHOWN ON THE DRAWINGS, AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION.			
		L/240 OF SPAN. DEVIATION WILL REQUIRE THE MANUFACTURER'S WRITTEN APPROVAL. 2. DIMENSIONAL TOLERANCE: FLAT WITHIN 1/4 INCH IN ANY FOUR FOOT RADIUS.		b.	PANELS AND ACCESSORIES SHALL MEET OR EXCEED THE FOLLOWING SPECIFICATIONS: I. ARCHITECTURAL ALUMINUM MANUFACTURERS ASSOCIATION (AAMA) SPECIFICATIONS 1402			4.
		3. SURFACE IRREGULARITIES: SHEATHING NOT OVER 1/8 INCH. PROVIDE EXPANSION JOINTS IN LOCATIONS RECOMMENDED BY THE EIFS MANUFACTURER.			STANDARD SPECIFICATIONS FOR ALUMINUM SIDING, SOFFIT AND FASCIA. 2. ASTM B209.			5.
	ر ا	THE INSTALLING CONTRACTOR IS TO HAVE NO LESS THAN TEN YEARS OF DOCUMENTED EXPERIENCE WITH THE TYPE OF SYSTEM SPECIFIED AND SIMILAR IN SIZE AND SCOPE TO THIS		с.	SOFFIT PANEL, HI-TENSILE: DOUBLE 6 INCH I. DIMENSIONS: 12 INCH EXPOSED WIDTH BY 144 INCHES LONG			6.
	k.	PROJECT. THE INSTALLING CONTRACTOR SHALL BE MANUFACTURER APPROVED AND IS TO PROVIDE			 THICKNESS: 0.016 PROFILE: V-GROOVE FORMING TWO 6 INCHES WIDE PANELS 			<i>.</i> 7.
		PROOF OF MANUFACTURER CERTIFICATION TO THE CONTRACTOR PRIOR TO THE START OF THE WORK.			 SURFACE: SMOOTH PERFORATED, NET FREE OPEN AREA: 7.2 SQUARE INCHES/LINEAR FOOT 			н. 8.
		PRIOR TO THE COMMENCEMENT OF WORK, PROVIDE A MOCK-UP OF EACH SYSTEM FOR APPROVAL BY THE ARCHITECT AND, IF REQUESTED, THE MANUFACTURER. MOCK-UP IS TO		d.	6. FINISH: POLYESTER THERMOSET COATING CURED AT 450 DEGREES F. FASCIA PANEL:			0. 9. 10.
		INCLUDE AN INSIDE CORNER, AN OUTSIDE CORNER, A TERMINATION AT DISSIMILAR MATERIAL, AN INTRICATE DETAIL AS SELECTED BY THE ARCHITECT AND BASE OF WALL. THE MOCK-UP, IF APPROVED, MAY BE INCORPORATED IN THE WORK.			 DIMENSIONS: REQUIRED HEIGHT BY 150 INCHES LONG PROFILE: ANGLE SHAPE WITH I INCH ATTACHMENT FLANGE ALONG BOTTOM AND THREE FOULLY CRACE PIPE ON FACE 			10.
		THE USE OF ANTI-FREEZE TYPE ADMIXTURES OR ANY OTHER ADMIXTURE THAT MAY ADVERSELY AFFECT THE PERFORMANCE OR APPEARANCE OF COATING MATERIALS IS PROHIBITED.			EQUALLY SPACE RIBS ON FACE 3. SURFACE: SMOOTH 4. FINISH: POLYESTER THERMOSET COATING CURED AT 450 DEGREES F.			
		INSTALL EIFS AND COMPONENTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, DETAILS AND SPECIFICATIONS.		e.	TRIM I. CONSISTENT WITH SHAPE, SIZE AND PROPERTIES AS REQUIRED FOR COMPLETE INSTALLATION.			
10.		THER BARRIERS - EXTERIOR WALL			 PRODUCED FROM THE SAME COMPOUND MATERIALS AND WITH COMPARABLE PROPERTIES AS THE SOFFIT. 			II. 12.
		PROVIDE AND INSTALL THE COMMERCIAL MEATHER BARRIER SYSTEM ON THE EXTERIOR WOOD SHEATHING OF WOOD FRAMED WALLS WHERE SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.		1	3. COLOR: MATCH COLOR OF SOFFIT SELECTED. MANUFACTURER: ALCOA, ALSCO, ALSIDES, REYNOLDS, OR EQUAL.			13. 14.
		WEATHER BARRIERS MUST MEET OR EXCEED ASTM E2357 REQUIREMENTS, THE AIR BARRIER ASSOCIATION OF AMERICA (ABAA) EVALUATED AIR BARRIER ASSEMBLY REQUIREMENTS, AND ASSEMBLY WATER			COLOR SELECTED BY OWNER OR OWNER'S REPRESENTATIVE.			15.
	с.	RESISTANCE IN ACCORDANCE WITH ASTM E331. FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF LESS THAN 25 AND 450, RESPECTIVELY, WHEN TESTED IN ACCORDANCE WITH ASTM E84.		n.	INSTALL PANELS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND DETAILS.			1
	d.	UV STABILIZED FOR NINE-MONTH EXPOSURE; AND ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. SYSTEM DESCRIPTION:	0715.		ET METAL FLASHING PROVIDE AND INSTALL THE SHEET METAL FLASHING AND COUNTER-FLASHING ASSEMBLIES,		d.	EXIS
		I. SINGLE-LAYER WEATHER BARRIER: SINGLE-LAYER WEATHER BARRIER, INCLUDING FLASHING AND SEALING OF PENETRATIONS AND SEAMS.		u.	WHETHER SHOWN OR NOT, AS REQUIRED TO ACHIEVE A WEATHER-TIGHT BUILDING ENVELOPE. INCLUDE REGLETS, CLIPS, STRAPS, FASTENERS AND ALL OTHER ITEMS AND INCIDENTALS AS			l. 2. 1
		 a) FOR USE ON EXTERIOR WALLS BEHIND BRICK MASONRY VENEER AND SIDING MATERIALS. 2. SYSTEM DESCRIPTION, DOUBLE-LAYER DRAINABLE: DOUBLE-LAYER WEATHER BARRIER WITH 		b.	REQUIRED. FLASHINGS SHALL WITHSTAND WIND LOAD, STRUCTURAL MOVEMENT, THERMALLY INDUCED			3 . 1
		INTEGRAL DRAINAGE, INCLUDING FLASHING AND SEALING OF PENETRATIONS AND SEAMS. a) FOR USE ON EXTERIOR WALLS BEHIND MANUFACTURED STONE VENEER MATERIALS.		с.	MOVEMENT AND EXPOSURE TO MEATHER WITHOUT FAILURE. PROVIDE ALL SHEET METAL FLASHING ASSEMBLIES IN ACCORDANCE WITH DETAILS AND			ONL1 SYST
		 b) WEATHER BARRIER SHALL CONFORM TO THE MANUFACTURED STONE VENEER MANUFACTURER'S WRITTEN INSTRUCTIONS AND SPECIFICATIONS. c) DRAINABILITY: 98 PERCENT OR GREATER WHEN TESTED IN ACCORDANCE WITH ASTM E2273. 		d.	SPECIFICATIONS OF S.M.A.C.N.A.'S "ARCHITECTURAL SHEET METAL MANUAL", LATEST EDITION. MATERIAL			insti I.
		C) DRAINABILITT: 40 PERCENT OR GREATER WHEN TESTED IN ACCORDANCE WITH ASTM E22 15. AIR PERMEANCE, PRODUCT: NOT MORE THAN 0.001 CFM/SQ. FT. AT 1.57 LBF/SQ. FT. (0.005 L/S x SQ. M AT 15 PA) WHEN TESTED IN ACCORDANCE WITH ASTM E2178.			I. STEEL SHEET FLASHING: GALVANIZED SHEETS MEETING ASTM A653 690 (Z275) ZINC COATING OF STRUCTURAL QUALITY			ļ
	g.	AIR PERMEANCE, ASSEMBLY: NOT MORE THAN 0.04 CFM/SQ. FT. AT 1.57 LBF/SQ. FT. (0.2 L/S x SQ. M AT 75 PA) WHEN TESTED IN ACCORDANCE WITH ASTM E2357 AND EVALUATED BY ABAA.			 MINIMUM 0.032 INCHES THICK, FACTORY FINISHED BY COIL COATING PROCESS IN COMPLIANCE WITH ASTM A775. 			
	h.	WATER PENETRATION RESISTANCE, PRODUCT: HYDROSTATIC HEAD RESISTANCE GREATER THAN 7.7 FEET (2.35 M) IN ACCORDANCE WITH AATTC 127.			 REGLET: FORMED TO PROVIDE SECURE, INTERLOCKING, WATERTIGHT SYSTEM, COMPATIBLE WITH STEEL SHEET FLASHING. 			
	i. J J	WATER PENETRATION RESISTANCE, ASSEMBLY: ASSEMBLY WALL SPECIMEN DESCRIBED IN ASTM E2357 TO WATER RESISTANCE IN ACCORDANCE WITH ASTM E331.			 a) GALVANIZED STEEL ASTM A653 G90 (Z2T5) ZINC COATING OF STRUCTURAL QUALITY. b) MINIMUM 0.022 INCHES THICK. 			
	<u> </u>	FLAME PROPAGATION TEST: MATERIALS AND CONSTRUCTION SHALL BE AS TESTED IN ACCORDANCE WITH NFPA 285.			 COLOR TO MATCH STEEL SHEET FLASHING. FASTENER: HOT-DIPPED ZINC COATED STEEL IN ACCORDANCE WITH ASTM A153, AND ASTM 			
		WEATHER BARRIER SYSTEM TO HAVE A VOC CONTENT OF 30 G/L OR LESS. MANUFACTURERS: DUPONT, TYPAR OR APPROVED EQUAL.			F2329. IF EXPOSED, HEX WASHER HEAD FASTENER SHALL BE GASKETED AND FINISHED TO MATCH THE FLASHING.			
I I.		BARRIER MEMBRANE - <u>MAINTENANCE BUILDING</u> PROVIDE AND APPLY THE 36 IN. WIDE, ASTM D1970, UL LISTED, SELF-ADHERING POLYMER		e.	4. SEALANT: REFERENCE THIS DIVISION FOR SPECIFIC REQUIREMENTS. COLOR: SELECTED BY THE OWNER, OWNER'S REPRESENTATIVE OR ARCHITECT FROM THE			
		MODIFIED BITUMEN SHEET (ICE BARRIER). I. THICKNESS: 40 - 50 MILS		f.	MANUFACTURER'S STANDARD. FURNISH MANUFACTURER'S WARRANTY OF FINISH FOR A MINIMUM 20 YEARS FROM THE DATE OF			
	b.	COVER FOR A DISTANCE OF 36 INCHES WIDE UP ROOF THE ENTIRE LENGTH OF ROOF EDGE.		g.	SUBSTANTIAL COMPLETION. INSTALLATION			
		COVER FOR A DISTANCE OF 12 INCHES WIDE, CENTERED ON ROOF VALLEY, UP ROOF THE ENTIRE LENGTH OF ROOF VALLEY.			I. INTEGRATE FLASHING INTO EACH OF THE ASSEMBLIES IN WHICH IT IS REQUIRED SO AS TO PROVIDE EFFECTIVE CONTROL OF MOISTURE ENTERING OR OTHERWISE OCCURRING IN THE			
	d.	MANUFACTURERS: GRACE, ALCO PRODUCTS, OWENS CORNING, DUPONT OR APPROVED EQUAL. INSTALL SYSTEM IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND			ASSEMBLY. COLLECT THE MOISTURE AND CONDUCT IT TO THE EXTERIOR FOR DRAINAGE WITHOUT ADVERSE EFFECT ON THE PERFORMANCE AND DURABILITY OF THE ASSEMBLY.			
		SPECIFICATIONS AND OBC CHAPTER 15 REQUIREMENTS.			ENSURE CONTINUITY AMONG FLASHING WITHIN DIFFERENT ASSEMBLIES AND PROVIDE A FULLY INTEGRATED SYSTEM FOR THE EXTERIOR OF THE BUILDING.			
					 INSTALL WINDOW AND DOOR FLASHINGS AFTER INSTALLATION OF WEATHER BARRIER MEMBRANE (WBM). MUEER DISGIMILAR METALS WILL CONTACT FACH OTHER OR CORROSIVE SUBSTRATE 			
					 WHERE DISSIMILAR METALS WILL CONTACT EACH OTHER OR CORROSIVE SUBSTRATE, PROTECT AGAINST GALVANIC ACTION BY PAINTING THE CONTACT SURFACE WITH BITUMINOUS COATING, BY APPLYING RUBBERIZED ASPHALT OVERLAY OR BY OTHER 			
					PERMANENT SEPARATION AS RECOMMENDED BY THE MANUFACTURER.			

PERMANENT SEPARATION AS RECOMMENDED BY THE MANUFACTURER. h. PAINT TOUCH-UP CUTS AS RECOMMENDED BY THE MANUFACTURER.

0716. GUTTERS AND DOWN-SPOUTS - MAINTENANCE BUILDING ROVIDE FACTORY FINISHED SEAMLESS GUTTERS AND DOWN-SPOUTS AS SHOWN

- RAWINGS, AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLI ONCEALED FASTENER INSTALLATION. INCLUDES, BUT IS NOT NECESSARILY LIMIT RACKETS, HANGERS, CLIPS, END CAPS, OUTLET TUBES, DOWN-SPOUT BOOTS, SEA THER ITEMS AND INCIDENTALS AS REQUIRED.
- CONTRACTOR OPTION: GUTTERS CAN BE FORMED ON SITE WITH FACTORY FIN MATERIAL NIMUM SLOPE FOR GUTTER TO BE 1/8 INCH PER 10 FOOT.
- ATERIAL
- ALUMINUM SHEET: ASTM B209, AAMA 2605; HEMMED EDGES; WITH FACTORY BAKED-ON EPOXY PRIMER COAT, MINIMUM DRY FILM THICKNESS 0.2 MIL; WITH FLUOROPOLYMER COATING CONTAINING NOT LESS THAN TO PERCENT PVDF R WEIGHT IN COLOR COAT, TOTAL MINIMUM DRY FILM THICKNESS 1.2 MIL; COLOR BY THE OWNER FROM MANUFACTURER'S STANDARD; SHOP OR FIELD FORMED
- INDICATED; LAPPED JOINTS WITH SEALANT. GUTTER BRACKET: CONCEALED: MILL-FINISHED ALUMINUM ATTACHED WITH GA SERIES 300 STAINLESS STEEL WOOD SCREW; SPACED NO MORE THAN 36 INC
- 4 (NOM.) INCH GUTTER: STYLE K. MINIMUM 0.032 INCHES THICK 6 (NOM.) INCH GUTTER: STYLE K OR SQUARE; MINIMUM 0.040 INCHES THICK. 2x4 (NOM.) AND 3x5 (NOM.), DOWNSPOUT: MINIMUM 0.024 INCHES THICK.
- FURNISH EXPANSION SLEEVE EVERY 50 LIN. FT. OF GUTTER LENGTH, INSTALL ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. SEALANT: AS RECOMMENDED BY THE ALUMINUM SHEET MANUFACTURER.
- MANUFACTURER, ALUMINUM SHEET: ALCOA, WOLVERINE, ALSIDE OR APPROVE COLOR SELECTED BY OWNER OR OWNER'S REPRESENTATIVE.
- STALL AND SUPPORT GUTTER AND DOWN-SPOUTS IN ACCORDANCE WITH MANUF. ISTALLATION INSTRUCTIONS AND S.M.A.C.N.A. DETAILS. ALL GUTTER WORK SHALL BE JOINED, OVERLAPPED AND SEALED AS REQUIR
- PRODUCE A WATERTIGHT SYSTEM. DNECT DOWN-SPOUTS TO FACTORY FORMED PVC "DRAIN-BOOTS" TIED TO UND ORM DRAINAGE PIPING SYSTEM; ROOF DRAINAGE SYSTEM TO BE IN ACCORDAI
- HERE UNDERGROUND STORM SEWER DRAIN SYSTEM IS NOT UTILIZED: DOWN-SPOUTS TO EXIT (OR SPLASH) ONTO A PRE-MANUFACTURERED CONCRE
- SPLASH-BLOCK ON-GRADE SPLASH BLOCK: 8 IN. WIDE x 24 IN. HIGH x 2-1/2 IN. HIGH
- MANUFACTURER: MIDWEST MANUFACTURING OR EQUAL.
- ANE ROOFING ASSEMBLY
- ROVIDE THE ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING SYSTEM . IDICATED ON THE DRAWINGS. INCLUDES MEMBRANE, PROTECTION BOARD, MOOE RMINATION BAR, FLASHING, FASTENERS AND ALL OTHER ITEMS AND INCIDENTAI EQUIRED FOR A WATERTIGHT SYSTEM.
- ESTING OF EXISTING "BUILT-UP" ROOFING ASSEMBLY PERFORM INFRARED ROOF SURVEY TO LOCATE ANY MOISTURE THAT MAY BE
- THE EXISTING ROOF ASSEMBLY.
- PERFORM INFRARED ROOF SURVEY PRIOR TO BEGINNING ANY ROOFING WOR PROVIDE A REPORT OF FINDINGS TO THE OWNER. **TFRIA**
- MEMBRANE: ASTM D4637, TYPE II; MINIMUM 60-MIL; DUAL PLY POLYESTER-RE FACTORY APPLIED TAPE (FAT) SEAM.
- a) SURE-TOUGH BY CARLISLE SYNTEC SYSTEMS OR APPROVED EQUAL. INSULATION BOARD: ASTM CI289, TYPE II, CLASS 2, GRADE 2; CLOSED CELL POLYISOCYANURATE FOAM CORE BONDED TO MEDIUM WEIGHT FIBER REINFO FACER; 48 INCH BY 96 INCH NOMINAL SHEETS; MINIMUM I INCH THICK; MINIMUM PER INCH.
- a) HP-H POLYISO BY CARLISLE SYNTEC SYSTEMS OR APPROVED EQUAL. PROTECTION BOARD: ASTM CIITT; GYPSUM CORE, FACED WITH EMBEDDED G INCH THICK.
- a) DENSDECK PRIME ROOF BOARD BY GEORGIA PACIFIC, CARLISLE SYNTE APPROVED EQUAL.
- BONDING ADHESIVE: HIGH STRENGTH, SOLVENT BASED CONTACT ADHESIVE. a) EPDM X-23 BY CARLISLE SYNTEC SYSTEMS OR APPROVED EQUAL. FLASHING MEMBRANE: ASTM D4811; MINIMUM 60-MILS THICK; FACTORY FORM
- POSSIBLE; SIZE AND TYPE AS RECOMMENDED BY THE ROOFING SYSTEM MAN FOR THE CONDITION BEING FLASHED.
- VAPOR RETARDER: ASTM D2178; TYPE IV GLASS FELT AND G2 BASE SHEET a) CARLISLE SYNTEC SYSTEMS OR APPROVED EQUAL.
- SPLICE TAPE: 6 INCHES WIDE. a) SECURTAPE BY CARLISLE SYNTEC SYSTEMS OR APPROVED EQUAL. MEMBRANE PRIMER: HP-250 BY CARLISLE SYNTEC SYSTEMS OR APPROVED
- ADHESIVE, LAP SEALANT: TYPE AS DETERMINED BY THE MANUFACTURER. PARAPET COPING: ASTM A653, ASTM A755, ANSI/SPRI ES-I TESTING METHOD FACTORY FORMED, FACTORY FINISHED STEEL SHEET; 690 (Z275) COATING MINIMUM 24 GAUGE; WITH FACTORY APPLIED 3 COAT FLUOROPOLYMER COAT COMPLIANCE WITH AAMA 621 CONTAINING NOT LESS THAN TO PERCENT PVDA WEIGHT IN COLOR COAT: 20 GAUGE PRE-FORMED AND PRE-PUNCHED GALVA
- CLEAT WITH FACTORY ATTACHED CORROSION RESISTANT STAINLESS STEEL a) SECUREDGE COPING 200 BY CARLISLE SYNTEC SYSTEMS OR APPROVE
- WALK PADS: MANUFACTURER'S STANDARD CURB FOR MECHANICAL EQUIPMENT: REFER TO XPERT ENGINEERING, LLC., DR
- FASTENERS: TYPE AS DETERMINED BY THE ROOFING SYSTEM MANUFACTURES MANUFACTURER: CARLISLE SYNTEC SYSTEMS, FIRESTONE, OR APPROVED EQ WARRANTY
- a) MANUFACTURER: 10 YEARS FOR THE TOTAL SYSTEM, INCLUDING PUNCTURI OF INSPECTION BY ROOFING SYSTEM MANUFACTURER'S REPRESENTATIVE. b) INSTALLER: 2 YEARS FROM DATE OF INSPECTION BY ROOFING SYSTEM
- MANUFACTURER'S REPRESENTATIVE.
- (ISTING ROOF DRAINS TO BE MAINTAINED,
- SERVICE DRAINS FOR FUNCTIONALITY PROVIDE NEW DRAIN STRAINERS.
- DAMAGED, BROKEN, MISSING, ETC. DRAIN STRAINERS WILL BE REPLACED AND AT THIS CONTRACTORS EXPENSE.
- NLY USE RIGID INSULATION BOARD FURNISHED BY THE ROOFING SYSTEM MANUF/ STEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WR
- STRUCTIONS, DETAILS AND SPECIFICATIONS. THE INSTALLING CONTRACTOR IS TO BE MANUFACTURER CERTIFIED AND HAVE THAN TEN YEARS OF DOCUMENTED EXPERIENCE WITH THE TYPE OF SYSTEM S SIMILAR IN SIZE AND SCOPE TO THIS PROJECT.

	0718. METAL ROOF PANELS - MANSARD STYLE ROOF AT ADMINISTRATION BUILDING	
N ON THE PLETE	a. PROVIDE A FACTORY FORMED, FACTORY FINISHED ARCHITECTURAL STANDING SEAM ROOF SYSTEM AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED	
MITED T <i>O</i> , EALANTS AND ALL		\mathbf{v}
FINISH ALUMINUM	DOWNSPOUTS, SOFFIT PANELS, ETC. AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED FOR A COMPLETE MEATHER-TIGHT ASSEMBLY.	ΕĽ
	a. THE ROOF SYSTEM SHALL BE DESIGNED TO MEET OBC CHAPTER 15 REQUIREMENTS. REFER TO THE STRUCTURAL DRAWINGS FOR THE SPECIFIC WIND SPEED, EXPOSURE AND SNOW LOAD DESIGN	
Y APPLIED	CRITERIA. b. PERFORMANCE	
ITH TWO COAT FRESINS BY	I. AIR INFILTRATION: AIR LEAKAGE OF NOT MORE THAN 0.06 CFM/SF OF ROOF AREA WHEN TESTED IN ACCORDANCE WITH ASTM EI680 AT THE FOLLOWING TEST PRESSURE	B B
OR AS SELECTED ED TO THE SHAPE		AB
GALVANIZED OR	 b) TEST PRESSURE DIFFERENCE ROOF SLOPE GREATER THAN 30 DEGREES: POSITIVE AND 	the: DIS [,]
INCHES APART.	NEGATIVE 1.57 lbf/sf.	
ζ.	c) POSITIVE PRE-LOAD TEST PRESSURE DIFFERENCE: GREATER THAN OR EQUAL TO 15.0 Ibf/sf AND THE GREATER OF 75 PERCENT OF BUILDING LIVE LOAD OR 50 PERCENT	AL
LL IN	OF BUILDING DESIGN POSITIVE WIND PRESSURE DIFFERENCE. d) NEGATIVE PRE-LOAD TEST PRESSURE DIFFERENCE: 50 PERCENT OF DESIGN WIND	
	UPLIFT PRESSURE DIFFERENCE. 2. WATER PENETRATION: NONE WHEN TESTED IN ACCORDANCE WITH ASTM EI646 AT THE	Lin Z
VED EQUAL.	FOLLOWING TEST PRESSURE DIFFERENCE. AT POSITIVE PRE-LOAD TEST PRESSURE DIFFERENCE (GREATER THAN OR EQUAL TO 15 lbs/sf AND THE GREATER OF 15 PERCENT OF	ce Building 1 OPMENTA
UFACTURER'S	BUILDING LIVE LOAD AND 50 PERCENT OF BUILDING DESIGN) AND NEGATIVE PRE-LOAD TEST PRESSURE DIFFERENCE (50 PERCENT OF DESIGN WIND UPLIFT PRESSURE).	
VIRED TO	a) TEST PRESSURE DIFFERENCE ROOF SLOPE 30 DEGREES OR LESS: NEGATIVE 2.86	e l DP
NDERGROUND DANCE WITH AHJ:	lbf/sf. b) TEST PRESSURE DIFFERENCE ROOF SLOPE GREATER THAN 30 DEGREES: 20 PERCENT	LC LC
	OF POSITIVE DESIGN WIND PRESSURE, BUT NOT LESS THAN 6.24 LBF/SF AND NOT MORE THAN 12.0 Ibf/sf.	enan VEL
RETE	c) POSITIVE PRE-LOAD TEST PRESSURE DIFFERENCE: GREATER THAN OR EQUAL TO 15.0 Ibf/sf AND THE GREATER OF 75 PERCENT OF BUILDING LIVE LOAD OR 50 PERCENT OF	EV
	BUILDING DESIGN POSITIVE WIND PRESSURE DIFFERENCE. d) NEGATIVE PRE-LOAD TEST PRESSURE DIFFERENCE: 50 PERCENT OF DESIGN WIND	DE
	UPLIFT PRESSURE DIFFERENCE.	Maintenance F DEVELOI
M WHERE OD FRAMING,	3. HYDROSTATIC HEAD RESISTANCE: NO WATER PENETRATION WHEN TESTED IN ACCORDANCE WITH ASTM E2140	
TALS AS	 WIND UPLIFT: COMPLY WITH ASTM EI529 AND UL 580; CLASS AS SPECIFIED BY THE STRUCTURAL ENGINEER OR AS DETERMINED BY ASCE 1. 	a New ARD O
be present in	 COMPLY WITH REQUIREMENTS OF FMG 4471 FOR CLASS I OR NONCOMBUSTIBLE CONSTRUCTION. 	
0RK.	 a) FIRE/WINDSTORM CLASSIFICATION: REFERENCE THE STRUCTURAL DRAWINGS. b) HAIL RESISTANCE: MH 	
	6. STRUCTURAL PERFORMANCE: PROVIDE ASSEMBLY CAPABLE OF WITHSTANDING THE EFFECTS OF GRAVITY LOADS AND THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS	and BOA
REINFORCED; WITH		
.	b) SNOW LOAD: REFERENCE THE STRUCTURAL DRAWINGS.	Alterations COUNTY]
ELL IFORCED FELT	 c) DEFLECTION LIMIT: REFERENCE THE STRUCTURAL DRAWINGS. THERMAL MOVEMENT: ALLOW MOVEMENT RESULTING FROM AMBIENT AND SURFACE 	Alterati OUNT
IUM R-VALUE 7.0	TEMPERATURE CHANGES; BASE ENGINEERING CALCULATIONS ON THE SURFACE TEMPERATURE OF MATERIALS BASED ON SOLAR HEAT GAIN AND NIGHTTIME SKY HEAT	U U
 GLASS MAT; 1/2	LOSS. TEMPERATURE CHANGE 120 DEGREES FAHRENHEIT AMBIENT, 180 DEGREES FAHRENHEIT MATERIAL SURFACES.	
NTEC SYSTEMS OR	 ENERGY: PROVIDE PRODUCT THAT IS LISTED ON THE U.S. DEPARTMENT OF ENERGY'S ENERGY STAR ROOF PRODUCTS QUALIFIED PRODUCTS LIST OR; WITH SOLAR REFLECTANCE 	
7F	INDEX NOT LESS THAN 75 OR 80 WHEN CALCULATED IN ACCORDANCE WITH ASTM E1980; OR WITH INITIAL SOLAR REFLECTANCE NOT LESS THAN 0.70 AND EMISSIVITY NOT LESS THAN	UD JD 431
	0.75 WHEN TESTED IN ACCORDANCE WITH CRRC-I. c. MATERIAL	Office Facility FAIRFIELD (795 College Avenue Lancaster, Ohio 4313
RMED WHEREVER 1ANUFACTURER	I. FACE SHEET PANEL, STANDING SEAM: ASTM A653/A924; TEMPERED AS REQUIRED TO SUIT FORMING OPERATIONS AND STRUCTURAL PERFORMANCE; PREFABRICATED AND	ffice Fac AIRFIE
ΞT.	PRE-FINISHED; MINIMUM 0.0216 INCHES (25 GAGE) THICK; PANEL COVERAGE 14 INCHES WIDE; PANEL HEIGHT 1-1/2 INCHES; FORM USING THE CONTINUOUS END ROLLING METHOD WITH NO END	Office I FAIRF 95 Colleg ancaster,
	LAPS.	of ffi A D S C A Ince
'ED EQUAL.	a) FINISH: SHALL MEET THE ENERGY STAR PERFORMANCE CRITERIA FOR EMISSIVITY PER ASTM CI371 AND REFLECTIVITY PER ASTM CI549; FACTORY APPLIED TWO COAT THERMO	La 19
OD E-3;	CURED SYSTEM COMPRISED OF INHIBITIVE PRIMER TO A DRY FILM THICKNESS OF 0.25 TO 0.3I MIL AND A FLUOROPOLYMER COLOR TOP COAT CONTAINING NOT LESS THAN 70	TIDI
5 DESIGNATION; DATING IN	PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT TO A DRY FILM THICKNESS 0.10 TO 0.90 MIL. TESTS FOR ADHESION, FLEXIBILITY AND LONGEVITY ARE AS SPECIFIED	
/DF RESINS BY VANIZED STEEL	BY THE PAINT MANUFACTURER. COLOR AS SELECTED BY THE OWNER OR OWNER'S REPRESENTATIVE FROM MANUFACTURER'S STANDARD.	
EL SPRING.	 SIDEWALL FLASHING, HIP TRIM AND FASCIA TRIM: MATCH THICKNESS, MATERIAL AND FINISH OF THE FACE SHEET PANEL; PRESS BRAKE IN MINIMUM 12 FOOT LENGTHS; INSTALLED IN 	ARCHITECTS
VED EQUAL.	OVERLAP CONDITION; REFERENCE THIS DIVISION FOR SPECIFIC REQUIREMENTS; COLOR TO MATCH THE FACE SHEET PANEL.	426 EAST MAIN STREET LANCASTER, OHIO 43130
DRAWINGS. RER.	 END / EDGE CLOSURES: MATCH THICKNESS, MATERIAL AND FINISH OF THE FACE SHEET PANEL; COLOR TO MATCH THE FACE SHEET PANEL; COLOR TO MATCH THE FACE SHEET 	phone: (740) 654-4048
EQUAL.	PANEL. 4. COPING / SHED FLASH: MATCH THICKNESS, MATERIAL AND FINISH OF THE FACE SHEET	facsimile: (740) 654-3009
ure, from date ve.	PANEL, COLOR TO MATCH THE FACE SHEET PANEL.	Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, Inc., and may not be
М	 SOFFIT PANELS AND TRIM: CONTINUOUS PERFORATED; MATCH THICKNESS, MATERIAL AND FINISH OF THE FACE SHEET PANEL.; 12 INCHES WIDE PANEL. 	used, duplicated, or altered without the written consent of the Architect
	 CLIPS: MANUFACTURER'S STANDARD HAVING A MINIMUM THICKNESS OF 0.0625 INCHES, ZINC COATED GALVANIZED; SIZE AND SPACING AS INDICATED BY THE MANUFACTURER. 	
AND INSTALLED	 a) PROVIDE CLIP DESIGNED TO ALLOW PANELS TO THERMALLY EXPAND AND CONTRACT. CLIP SHALL INCORPORATE A SELF-CENTERING FEATURE TO ALLOW 0.5 INCH OF 	COMMISSION No.
	MOVEMENT IN BOTH DIRECTIONS ALONG PANEL LENGTH. CLIP TYPE SHALL BE SELECTED TO MEET POSITIVE AND NEGATIVE PRESSURES AS SPECIFIED.	P2118
UFACTURER. WRITTEN	 b) SEALANT: FACTORY-INSTALLED SEALANT TO PROVIDE CONTINUITY OF SEAL AT CLIP LOCATIONS. 	ISSUE MARK DATE
AVE NO LESS	 SEALING TAPE: 100 PERCENT SOLIDS POLISOBUTYLENE COMPOUND WITH RELEASE PAPER BACKING, ELASTIC, NON-SAG, AND NON-STAINING PRESSURE SENSITIVE. 	PROGRESS FINAL 01/27/2023
1 SPECIFIED AND	 8. FASTENERS: CONCEALED SCREWS WITH CORROSION RESISTANT FINISH RECOMMENDED BY THE ROOFING SYSTEM MANUFACTURER FOR THE SYSTEM BEING INSTALLED. CADMIUM 	BIDDING 02/15/2023
	PLATED SCREWS ARE NOT ACCEPTABLE. 9. SEALANT: PER MANUFACTURER'S RECOMMENDATION; REFERENCE THIS DIVISION FOR	
	SPECIFIC REQUIREMENTS.	
	 MANUFACTURERS: ISAIAH INDUSTRIES, ENGLERT, INC., OR APPROVED EQUAL. THE INSTALLING CONTRACTOR IS TO BE MANUFACTURER CERTIFIED AND HAVE NO LESS THAN 	
	TEN YEARS OF DOCUMENTED EXPERIENCE WITH THE TYPE OF SYSTEM SPECIFIED AND SIMILAR IN SIZE AND SCOPE TO THIS PROJECT.	
	f. CONTRACTOR SHALL CONDUCT AND DOCUMENT A PRE-INSTALLATION CONFERENCE NO EARLIER THAN THREE WEEKS, BUT NOT LATER THAN ONE WEEK PRIOR TO THE SCHEDULED START OF	
	INSTALLATION. ATTENDEES ARE TO INCLUDE THE CONTRACTOR, THE ARCHITECT, THE INSTALLER, THE INSTALLER'S SAFETY OFFICER AND THE MANUFACTURER'S REPRESENTATIVE. ITEMS	
	DISCUSSED ARE TO INCLUDE THE FOLLOWING: I. REVIEW THE DESIGNED ROOFING SYSTEM AND MANUFACTURER'S WRITTEN INSTRUCTIONS.	
	 REVIEW FLASHINGS, SPECIAL ROOF DETAILS, ROOF PENETRATIONS, AND ANY OTHER CONSTRUCTION THAT WILL AFFECT THE INSTALLATION. 	DRAWN BY: AB, njp
	 REVIEW TESTING AND INSPECTION REQUIREMENTS. REVIEW SAFETY PROCEDURES, EQUIPMENT AND BARRICADING. 	TE OF ON
	 EXAMINE THE DECK SUBSTRATE FOR COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS, INCLUDING FLATNESS AND ATTACHMENT TO STRUCTURAL MEMBERS. 	ALA.
	g. ALL PRODUCTS SHALL BE FROM ONE SOURCE, FROM A SINGLE MANUFACTURER. h. ASSEMBLY WARRANTY: MATERIALS AND WORKMANSHIP FOR FIVE YEARS FOLLOWING DATE OF	
	SUBSTANTIAL COMPLETION. I. FINISH WARRANTY: REPAIR OR REPLACE ITEMS THAT EXHIBIT DETERIORATION OF FACTORY	PALLADINO * 1 12669
	APPLIED FINISHES FOR 25 YEARS FROM DATE OF SUBSTANTIAL COMPLETION. I. WEATHER-TIGHTNESS WARRANTY: REPAIR OR REPLACE ASSEMBLIES THAT FAIL TO REMAIN	
	WEATHER-TIGHT, INCLUDING LEAKS, FOR 20 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.	ERED ARCH
	K. WHERE DISSIMILAR METALS WILL CONTACT EACH OTHER OR CORROSIVE SUBSTRATES, PROTECT AGAINST GALVANIC ACTION BY PAINTING THE CONTACT SURFACE WITH BITUMINOUS COATING, BY ADDIVING DUBBEDIZED, ACOUNT I INDEDI AVMENT OF BY OTHER REPMANENT GERARATION AG	Nicholas J. Palladino
	APPLYING RUBBERIZED ASPHALT UNDERLAYMENT OR BY OTHER PERMANENT SEPARATION AS RECOMMENDED BY THE MANUFACTURER.	License No. 12669 Expiration Date: December 31, 2023
	I. PAINT TOUCH-UP CUTS AS RECOMMENDED BY THE MANUFACTURER. m. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, DETAILS AND CRECKED AT AND WITH CALL AND A CALL A REPORT OF THE AND AND AND A DETAILS AND	GENERAL NOTES
	SPECIFICATIONS AND WITH S.M.A.C.N.A.'S "ARCHITECTURAL SHEET METAL MANUAL", LATEST EDITION.	DIVISION 07
	I. INSTALLATION TOLERANCE: 1/4 INCH IN 20 FEET ON SLOPE AND LOCATION LINES; 1/8 INCH OFFSET OF ADJOINING FACES AND ALIGNMENT OF MATCHING PROFILES.	THROUGH
	2. GROUND AND BOND THE SYSTEM IN ACCORDANCE WITH NEPA 70, LATEST EDITION.	

DIVISION 07

DRAWING NUMBER

DIVISION 07 - THERMAL AND MOISTURE PROTECTION, CONTINUED

- 0719. JOINT SEALANTS a. PROVIDE THE INTERIOR AND EXTERIOR JOINT SEALANTS WHETHER OR NOT SHOWN ON THE DRAWINGS, THE "JOINT SEALANT APPLICATION GUIDE" SHEET A500, AND AS NOTED HEREIN. INCLUDES PRIMERS, SEALERS, CLEANERS, BOND BREAKERS, ETC. AS REQUIRED FOR THE VARIOUS TYPES OF SUBSTRATES AND APPLICATIONS, FURNISH NON-STAINING JOINT SEALANTS
 - WHERE NO STAINING OF SUBSTRATES WHEN TESTED IN ACCORDANCE WITH ASTM CI248. b. PROVIDE JOINT SEALANTS, BACKINGS AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE. WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY THE MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE c. MATERIAL
 - I. S-I: EXTERIOR POLYURETHANE SEALANTS, NON-STAINING, TYPE S, GRADE NS, CLASS 100/50, USE NT, SINGLE COMPONENT, NON-SAG, MOISTURE CURING, ASTM C920. a) SIKA CORP., BOSTIK CONSTR. DIV., DOW CORNING, GE CONSTR., PECORA CORP.,
 - TREMCO INC. 2. S-2: EXTERIOR POLYURETHANE SEALANTS, ASTM C920, SINGLE OR MULTI COMPONENT NEUTRAL CURING, GRADE P AND NS, EXPOSURE USE T, NT, G, A, AND O, CLASS AS SPECIFIED BY THE MANUFACTURER FOR THE MATERIAL(S) BEING SEALED; NON-STAINING; NON-BLEEDING; SHORE A HARDNESS MINIMUM 15, MAXIMUM 50 OR AS RECOMMENDED BY THE MANUFACTURER FOR THE SPECIFIED INSTALLATION; COLOR AS SELECTED BY THE OWNER OR OWNER'S REPRESENTATIVE FROM MANUFACTURER'S STANDARD. a) SIKAFLEX-IA, SIKA CORP.
 - 3. S-3: INTERIOR SILICONE JOINT SEALANTS, NON-STAINING, TYPE S, GRADE NS, CLASS 100/50, USE NT AND NT, SINGLE COMPONENT, NON-SAG, ACID-CURING SILICONE JOINT SEALANT, ASTM 6920.
 - a) SIKA CORP., BOSTIK CONSTR. DIV., DOW CORNING, GE CONSTR., PECORA CORP., TREMCO INC 4. S-4: INTERIOR MILDEW-RESISTANT SILICONE SEALANT TYPE S, GRADE NS, CLASS 25 USE
 - NT, SINGLE-COMPONENT, NON-SAG, ACID CURING SILICONE JOINT SEALANT, ASTM C920. a) SIKA CORP., DOW CORNING, GE CONSTR., TREMCO INC.
 - 5. S-5: INTERIOR ACRYLIC LATEX OR SILICONIZED ACRYLIC LATEX ASTM C834 AND ASTM CI520, TYPE OP GRADE NF, SINGLE COMPONENT ACRYLIC EMULSION OR LATEX RUBBER MODIFIED ACRYLIC EMULSION, PERMANENTLY FLEXIBLE, NON-STAINING; NON-BLEEDING, COMPATIBLE WITH PAINT FINISHES, MAXIMUM VOC 50 G/L, COLOR AS SELECTED BY THE OWNER OR OWNER'S REPRESENTATIVE FROM MANUFACTURER'S STANDARD. a) SIKA CORP., BASF CONSTR., PECORA CORP., TREMCO INC., SHERWIN-WILLIAMS CO.
 - 6. S-6: EXTERIOR BUTYL-RUBBER-BASED JOINT SEALANTS ASTM CI311. a) SIKA CORP., BOSTIK CONSTR., PECORA CORP
 - 7. 5-7: INTERIOR ACOUSTIC SEALANT, ASTM C834 AND ASTM C919: SINGLE-COMPONENT ACRYLIC EMULSION; PERMANENTLY FLEXIBLE; NON-STAINING; NON-BLEEDING; MAXIMUM VOC 50 G/L
 - a) SHEETROCK BRAND ACOUSTICAL SEALANT, USG CORP.; OR APPROVED EQUAL. S-8: MISCELLANEOUS, ASTM C920; SINGLE COMPONENT; GRADE NS; CLASS 50; EXPOSURE USE NT; NON-STAINING; NON-BLEEDING; SHORE A HARDNESS MINIMUM 25, MAXIMUM 50. a) SIKA CORP., BOSTIK CONSTR., OSI QUAD MAX, HENKEL CORP., TREMCO INC., SHERWIN-WILLIAMS CO.
 - 9. JOINT BACKER: ASTM CI330, TYPE C; NON-STAINING; COMPRESSIBLE; CLOSED-CELL POLYETHYLENE FOAM; COMPATIBLE WITH JOINT SUBSTRATE, PRIMERS AND SEALANTS AND APPROVED FOR APPLICATIONS INDICATED BY SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LABORATORY TESTING.
 - IO. BOND BREAKER: POLYETHYLENE OR OTHER PLASTIC TAPE; TYPE AND LOCATION AS RECOMMENDED BY THE SEALANT MANUFACTURER.
 - II. PRIMER: SIKASIL PRIMER-2100, SIKA CORP.
 - 12. CLEANERS: TYPE AND LOCATION AS RECOMMENDED BY THE SEALANT MANUFACTURER. d. JOINT WIDTH IN COMPLIANCE WITH ASTM CI472.
 - e. SEALANTS AND CAULKS SHALL BE INSTALLED SO AS TO MAINTAIN A CONTINUOUS INSECT, WATER AND AIRTIGHT SEAL.
 - F. SCHEDULE I. <u>S-I</u>: EXTERIOR JOINTS IN HORIZONTAL NON-TRAFFIC SURFACES AND OTHER EXTERIOR
 - JOINTS. a) JOINTS AROUND LOUVERS, DOOR FRAMES, WINDOW FRAMES, EXTERIOR TRIMS, AND LINTELS AND OTHER SIMILAR HORIZONTAL AND VERTICAL JOINTS AND OTHER
 - PENETRATIONS IN EXTERIOR WALLS. b) DO NOT SEAL NORMAL DRAINAGE POINTS OR WEEP HOLES.
 - 2. <u>5-2:</u> EXTERIOR JOINTS (EXPOSURE T).
 - a) CONCRETE PAVING; SIDEWALKS, ISOLATION, CONTROL, AND EXPANSION JOINTS. b) CONCRETE PAVING AT ASPHALT PAVING: EMULSIFIED PAVEMENT CRACK SEALER; REFERENCE DIVISION 32 OF THE GENERAL NOTES.
 - 3. <u>5-3:</u> INTERIOR JOINTS IN HORIZONTAL TRAFFIC SURFACES.
 - a) ISOLATION JOINTS IN CAST-PLACE-CONCRETE SLABS, CONTROL AND EXPANSION JOINTS, OTHER JOINTS SIMILAR JOINTS.
 - 4. <u>5-4:</u> INTERIOR JOINTS IN VERTICAL AND HORIZONTAL NON-TRAFFIC SURFACES. a) JOINTS BETWEEN PLUMBING FIXTURES AND ADJOINING WALLS, FLOORS. EXPANSION JOINTS IN KITCHENS AND TOILET ROOMS
 - 5. 5-5: INTERIOR COSMETIC JOINTS IN VERTICAL AND HORIZONTAL NON-TRAFFIC SURFACES. a) CONTROL AND EXPANSION JOINTS ON EXPOSED INTERIOR SURFACES OF EXTERIOR WALLS
 - b) VERTICAL JOINTS ON EXPOSED SURFACES OF UNIT MASONRY, CONCRETE WALLS, AND GYPSUM BOARD PARTITIONS.
 - c) JOINTS BETWEEN CASEWORK, CABINETS AND WALL SURFACES. d) PERIMETER JOINTS BETWEEN INTERIOR WALL SURFACES AND INTERIOR DOOR FRAMES: ALUMINUM WINDOW FRAMES, HVAC GRILLES AND LOUVERS, ACCESS PANELS, SUSPENDED CEILING WALL ANGLE, FIRE EXTINGUISHER CABINETS, AND OTHER RECESSED AND SEMI-RECESSED CABINETS, COUNTERTOP BACK-SPLASH; EXPOSED, NON-FIRE-RATED
 - PENETRATIONS; TOILET ACCESSORIES. 6. S-6: EXTERIOR BUTYL-RUBBER-BASED JOINT-SEALANTS CONCEALED MASTICS.
 - a) UNDERSIDE OF DOOR THRESHOLDS. 1. 5-1: ACOUSTICAL JOINT-SEALANTS, INTERIOR JOINTS IN VERTICAL AND HORIZONTAL
 - NON-TRAFFIC SURFACES.
 - a) TOP AND BOTTOM PERIMETER OF GYPSUM BOARD PARTITIONS.
 - b) PERIMETER AND MATERIAL LAPS OF POLYETHYLENE VAPOR RETARDERS. c) PENETRATIONS THROUGH NON-RATED WALLS AND GYPSUM BOARD CEILINGS; GAP BETWEEN GYPSUM BOARD AND FLOOR.
 - 8. <u>5-8:</u> EXTERIOR JOINTS.
 - a) VINYL WINDOWS, VINYL CLAD OR ALUMINUM CLAD WOOD WINDOW INSTALLATION. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND
 - SPECIFICATIONS AND ASTM CI193 AND ASTM C1248.
 - h. SEALANTS AT NEW CONCRETE SHALL NOT BE INSTALLED EARLIER THAN 30 DAYS FROM THE DATE OF THE POUR/APPLICATION. REFERENCE NCMA TEK 19-6A FOR ADDITIONAL MASONRY SEALANT REQUIREMENTS.
 - ALL PRODUCTS SHALL BE FROM THE SAME SUPPLIER, THE SAME MANUFACTURER OF EACH TYPE OF SEALANT.
 - k. THE INSTALLING CONTRACTOR SHALL BE MANUFACTURER APPROVED AND HAVE NO LESS THAN FIVE YEARS OF DOCUMENTED EXPERIENCE WITH THE APPLICATION OF JOINT SEALANTS AND SIMILAR IN SIZE AND SCOPE TO THIS PROJECT.
- 0721. ALL EXPOSED EXTERIOR FASTENERS SHALL BE NON-STAINING, NON-CORROSIVE AND COLOR MATCH FACTORY AND / OR FIELD APPLIED FINISHES.

DIVISION 08 - OPENINGS

0800. PROVIDE SUBMITTAL IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS a. WOOD DOORS

- b. HOLLOW METAL DOORS
- . HOLLOW METAL FRAMES
- d. AUTOMATIC ENTRANCE SYSTEMS . STEEL EMBOSSED DOORS
- f. INTERIOR WOOD DOORS (PRE-HUNG)
- ACCESS PANELS AND FRAMES
- SECTIONAL DOORS COILING FIRE DOORS
- DOUBLE ACTING TRAFFIC DOORS
- ALUMINUM ENTRANCES AND STOREFRONTS FINISH HARDWARE
- m. GLAZING
- n. VINYL WINDOWS
- O. ALUMINUM CLAD WOOD WINDOWS p. ALUMINUM EXCHANGE WINDOW
- 0801. REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION
 - a. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)/STEEL DOOR INSTITUTE (S
 - . ANSI/SDI II2, ZINC-COATED (GALVANIZED/GALVANNEALED) STEEL DOORS 2. ANSI/SDI 122, INSTALLATION AND TROUBLESHOOTING GUIDE FOR STANDAR
 - FRAMES
 - 3. ANSI/SDI A250.6, RECOMMENDED PRACTICES FOR HARDWARE REINFORC STEEL DOORS AND FRAMES
 - 4. ANSI/SDI A250.8, SPECIFICATIONS FOR STEEL DOORS AND FRAMES 5. ANSI/SDI A250.10 TEST PROCEDURES AND ACCEPTANCE CRITERIA FOR I SURFACES FOR STEEL DOORS AND FRAMES
 - 6. ANSI/SDI A250.II, RECOMMENDED ERECTION INSTRUCTIONS FOR STEEL FR b. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
 - I. ANSI Z97.I, SAFETY GLAZING MATERIAL USED IN BUILDINGS SAFETY PER SPECIFICATIONS AND METHODS OF TEST
 - c. CODE OF FEDERAL REGULATIONS (CFR) I. 16 CFR 1201, SAFETY STANDARDS FOR ARCHITECTURAL GLAZING MATERI.
 - d. ARCHITECTURAL WOODWORK INSTITUTE (AWI)
 - I. AWI ARCHTECTURAL WOODWORK STANDARDS
 - e. GLASS ASSOCIATION OF NORTH AMERICA (GANA) . GANA GLAZING MANUAL
 - 2. GANA LAMINATED GLAZING REFERENCE MANUAL
 - F. INSULATED GLASS MANUFACTURERS ALLIANCE (IGMA)
 - I. IGMA TB-300I, GUIDELINES FOR SLOPED GLAZING 2. IGMA TM-3000, NORTH AMERICAN GLAZING GUIDELINES FOR SEALED INSI FOR COMMERCIAL AND RESIDENTIAL USE
 - a. WINDOW AND DOOR MANUFACTURERS ASSOCIATION (WDMA)
 - I. WDMA I.S. IA, INTERIOR ARCHITECTURAL WOOD FLUSH DOORS WDMA, HOW TO STORE, HANDLE, FINISH, INSTALL AND MAINTAIN WOOD DO
 - 3. WDMA T.M. 6, ADHESIVE BOND DURABILITY
 - 4. WDMA T.M. 7, CYCLE SLAM TEST
 - 5. WDMA T.M. 8, HINGE LOADING TEST 6. WDMA T.M. 10, SCREW HOLDING CAPACITY
 - 7. WDMA T.M. 14, CLEAR AND PIGMENTED COATINGS FOR INTERIOR PREFINIS 8. WDMA T.M. 15, VERTICAL EDGE IMPACT TEST
 - h. AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA) I. AAMA/WDMA/CSA IOI/I.S.2/A440, NORTH AMERICAN FENESTRATION STAND
 - FOR WINDOWS, DOORS AND SKYLIGHTS 2. AAMA 501.2, QUALITY ASSURANCE AND DIAGNOSTIC WATER LEAKAGE FI
 - INSTALLED STOREFRONTS, CURTAIN WALLS AND SLOPED GLAZING SYSTEM I. NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAAM
 - I. HMMA 810, HOLLOW METAL DOORS
 - 2. HMMA 820, HOLLOW METAL FRAMES 3. HMMA 831, RECOMMENDED HARDWARE LOCATIONS FOR HOLLOW METAL 4. HMMA 840, INSTALLATION AND STORAGE OF HOLLOW METAL DOORS AND 5. HMMA 841, TOLERANCES AND CLEARANCES FOR COMMERCIAL HOLLOW
 - 6. HMMA 840 TNOI, PAINTING HOLLOW METAL PRODUCTS
 - j. DOOR AND HARDWARE INSTITUTE (DHI)
 - ABBREVIATIONS AND SYMBOLS
 - 2. DHI AII5 SERIES, SPECIFICATIONS FOR STANDARD STEEL DOOR AND STE PREPARATION FOR HARDWARE 3. RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR FLUSH
 - k. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
 - I. NFPA 70, NATIONAL ELECTRIC CODE
 - I. BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA) I ANGL/BHMA AISO I BUTTS AND HINGES
 - 2. ANSI/BHMA AI56.2, BORED AND PREASSEMBLED LOCKS AND LATCHES 3. ANSI/BHMA AI56.3, EXIT DEVICES
 - 4. ANSI/BHMA AI56.4. DOOR CONTROLS-CLOSERS 5. ANSI/BHMA AI56.6, ARCHITECTURAL DOOR TRIM
 - 6. ANSI/BHMA AI56.7, TEMPLATE HINGE DIMENSIONS
 - 7. ANSI/BHMA AI56.8, HOLDERS AND STOPS
 - 8. ANSI/BHMA AI56.16, AUXILIARY HARDWARE
 - 9. ANSI/BHMA AI56.18, MATERIALS AND FINISHES

FASTENERS

0802. TEMPORARY DOORS AND HARDWARE

CONSTRUCTION PERIOD.

0803. TEMPORARY WINDOW OPENING COVERING

CONSTRUCTION PERIOD.

SATISFACTORY PERFORMANCE.

0804. EXAMINATION

- IO. ANSI/BHMA AI56.19, POWER ASSISTANT AND LOW ENERGY POWER OPERAT II. ANSI/BHMA AI56.21, THRESHOLDS
- 12. ANSI/BHMA AI56.22, DOOR GASKETING AND EDGE SEAL SYSTEMS
- 13. ANSI/BHMA AI56.115. HARDWARE PREPARATION IN STEEL DOORS OR STEE
- 14. ANSI/BHMA A156.115W, HARDWARE PREPARATION IN WOOD DOORS WITH W FRAMES
- m. INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE I. ICC/ANSI IIT.I, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- n. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
- I. ASTM A123, STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) AND STEEL PRODUCTS 2. ASTM A568, STANDARD SPECIFICATION FOR STEEL, SHEET, CARBON AND
- LOW-ALLOY, HOT-ROLLED AND COLD-ROLLED 3. ASTM A653, STANDARD SPECIFICATION FOR STEEL, SHEET, ZINC-COATED

	OVIDE SUBMITTAL IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS.				0808. BULLE
я. Э. С.	WOOD DOORS HOLLOW METAL DOORS HOLLOW METAL FRAMES		CI HA	IXIT AND EXIT ACCESS DOORWAYS SHALL CONFORM TO THE REQUIREMENTS OF 2017 OBC HAPTER IO. ARDWARE FOR DOORWAYS SHALL CONFORM TO THE REQUIREMENTS OF OBC CHAPTER II, AND	a. F V (
d. 2.	AUTOMATIC ENTRANCE SYSTEMS STEEL EMBOSSED DOORS			CC/ANSI AII7.I-2009.	
2. n	INTERIOR WOOD DOORS (PRE-HUNG) ACCESS PANELS AND FRAMES			W METAL DOORS ROVIDE THE FLUSH PANEL, INSULATED AND NON-INSULATED, HOLLOW METAL STEEL DOORS AS	
J. 1.	SECTIONAL DOORS		Sł	Hown on the drawings and as noted herein, and in accordance with astm A653, ansi 250.6, ansi/sdi a250.8, dhi a115 naamm amp 500 and sdi 112.	b. N
.	COILING FIRE DOORS DOUBLE ACTING TRAFFIC DOORS		M	IANUFACTURER: STEELCRAFT, ASSA ABLOY, REPUBLIC OR APPROVED EQUAL.	с. Г І
<.	ALUMINUM ENTRANGES AND STOREFRONTS FINISH HARDWARE	с.	M/ I.	IATERIAL METALLIC COATED STEEL: ASTM A653 COMMERCIAL STEEL (CS) TYPE B; WITH 660 OR A60	
n.	GLAZING	d	67	METALLIC COATING. TANDARD HOLLOW METAL DOORS	
ו. כ.	VINYL WINDOWS ALUMINUM CLAD WOOD WINDOWS	u.		GENERAL: PROVIDE DOORS OF DESIGN INDICATED, NOT LESS THAN THICKNESS INDICATED;	
2.	ALUMINUM EXCHANGE WINDOW			FABRICATED WITH SMOOTH SURFACES, WITHOUT VISIBLE JOINTS OR SEAMS ON EXPOSED FACES UNLESS OTHERWISE INDICATED.	3
	FERENCES FOR MANUFACTURING, TESTING AND INSTALLATION AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)/STEEL DOOR INSTITUTE (SDI)		2.	EXTERIOR DOORS: FACE SHEETS FABRICATED FROM METALLIC-COATED STEEL SHEET, 18 GAUGE (0.05 INCHES) MINIMUM. PROVIDE DOORS COMPLYING WITH REQUIREMENTS INDICATED	-
	I. ANSI/SDI 112, ZINC-COATED (GALVANIZED/GALVANNEALED) STEEL DOOR INSTITUTE (SDI)			BELOW BY REFERENCING ANSI/SDI A250.8 FOR LEVEL AND MODEL AND ANSI/SDI A250.4 FOR	d. F ? I
	2. ANSI/SDI 122, INSTALLATION AND TROUBLESHOOTING GUIDE FOR STANDARD STEEL DOORS AND FRAMES			PHYSICAL PERFORMANCE LEVEL: a) LEVEL 3 AND PHYSICAL PERFORMANCE LEVEL A (EXTRA HEAVY DUTY), MODEL 2	
	3. ANSI/SDI A250.6, RECOMMENDED PRACTICES FOR HARDWARE REINFORCING ON STANDARD		~	(SEAMLESS).	2 e 6
	STEEL DOORS AND FRAMES 4. ANSI/SDI A250.8, SPECIFICATIONS FOR STEEL DOORS AND FRAMES		Э.	 INTERIOR DOORS: FACE SHEETS FABRICATED FROM COLD-ROLLED STEEL SHEET, 20 GAUGE (0.0375 INCHES) MINIMUM. PROVIDE DOORS COMPLYING WITH REQUIREMENTS INDICATED 	l.
	5. ANSI/SDI A250.10 TEST PROCEDURES AND ACCEPTANCE CRITERIA FOR PRIME PAINTED STEEL SURFACES FOR STEEL DOORS AND FRAMES			BELOW BY REFERENCING ANSI/SDI A250.8 FOR LEVEL AND MODEL AND ANSI/SDI A250.4 FOR PHYSICAL PERFORMANCE LEVEL:	2 2
	6. ANSI/SDI A250.11, RECOMMENDED ERECTION INSTRUCTIONS FOR STEEL FRAMES			a) LEVEL 2 AND PHYSICAL PERFORMANCE LEVEL B (HEAVY DUTY), MODEL 2 (SEAMLESS).	
	AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) I. ANSI Z97.I, SAFETY GLAZING MATERIAL USED IN BUILDINGS - SAFETY PERFORMANCE		4.	 HARDWARE REINFORCEMENT: FABRICATE ACCORDING TO ANSI/SDI A250.6 WITH REINFORCING PLATES FROM SAME MATERIAL AS DOOR FACE SHEETS. 	•
r.	SPECIFICATIONS AND METHODS OF TEST CODE OF FEDERAL REGULATIONS (CFR)		5.	 FABRICATE CONCEALED STIFFENERS AND HARDWARE REINFORCEMENT FROM EITHER COLD- OR HOT-ROLLED STEEL SHEET. 	f. S
	I. 16 CFR 1201, SAFETY STANDARDS FOR ARCHITECTURAL GLAZING MATERIALS			. INSULATED CORE: POLYURETHANE INSULATED TO MINIMUM R-VALUE OF 2.56 PER ASTM CI363.	l.
	ARCHITECTURAL WOODWORK INSTITUTE (AWI) I. AWI ARCHTECTURAL WOODWORK STANDARDS			. DOORS TO BE FACTORY PRIMED. . FACTORY PREPARED AND PROPERLY REINFORCED FOR FINISH HARDWARE SELECTED.	2
	GLASS ASSOCIATION OF NORTH AMERICA (GANA) I. GANA GLAZING MANUAL	е.	IN	a) COMPLY WITH ANSI/SDI A250.8. INSTALLATION	g. C I.
	2. GANA LAMINATED GLAZING REFERENCE MANUAL	υ.	l.	GENERAL: INSTALL HOLLOW METAL WORK PLUMB, RIGID, PROPERLY ALIGNED, AND SECURELY	h. IN
	INSULATED GLASS MANUFACTURERS ALLIANCE (IGMA) I. IGMA TB-3001, GUIDELINES FOR SLOPED GLAZING		2.	FASTENED IN PLACE; COMPLY WITH DRAWINGS AND MANUFACTURER'S WRITTEN INSTRUCTIONS. HOLLOW METAL DOORS: FIT HOLLOW METAL DOORS ACCURATELY IN FRAMES, WITHIN	Ι.
	2. IGMA TM-3000, NORTH AMERICAN GLAZING GUIDELINES FOR SEALED INSULATING GLASS UNITS FOR COMMERCIAL AND RESIDENTIAL USE		3.	CLEARANCES SPECIFIED BELOW. SHIM AS NECESSARY. NON-FIRE-RATED STANDARD STEEL DOORS:	2
_	WINDOW AND DOOR MANUFACTURERS ASSOCIATION (WDMA)			a) JAMBS AND HEAD: 1/8 INCH PLUS OR MINUS 1/16 INCH.	4
	I. WDMA I.S. IA, INTERIOR ARCHITECTURAL WOOD FLUSH DOORS 2. WDMA, HOW TO STORE, HANDLE, FINISH, INSTALL AND MAINTAIN WOOD DOORS			 b) BETWEEN EDGES OF PAIRS OF DOORS: 1/8 INCH PLUS OR MINUS 1/16 INCH. c) BETWEEN BOTTOM OF DOOR AND TOP OF THRESHOLD: MAXIMUM 3/8 INCH. 	
	3. WDMA T.M. 6, ADHESIVE BOND DURABILITY 4. WDMA T.M. 7, CYCLE SLAM TEST			 d) BETWEEN BOTTOM OF DOOR AND TOP OF FINISH FLOOR (NO THRESHOLD): MAXIMUM 3/4 INCH. 	
	5. WDMA T.M. 8, HINGE LOADING TEST	f.	FI	INISH: FIELD APPLIED PAINT; COLOR AS SELECTED BY OWNER OR OWNER'S REPRESENTATIVE.	
	 MDMA T.M. 10, SCREW HOLDING CAPACITY MDMA T.M. 14, CLEAR AND PIGMENTED COATINGS FOR INTERIOR PREFINISHED WOOD 			WINETAL FRAMES	
	8. WDMA T.M. 15, VERTICAL EDGE IMPACT TEST AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA)	а.		ROVIDE STANDARD STEEL HOLLOW METAL FRAMES FOR HOLLOW METAL AND WOOD DOORS IS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A	
	I. AAMA/WDMA/CSA 101/1.5.2/A440, NORTH AMERICAN FENESTRATION STANDARD SPECIFICATION	b		OMPLETE INSTALLATION. ROVIDE FRAMES IN ACCORDANCE WITH ASTM A653, ANSI A250.6, ANSI/SDI A250.8, DHI A115,	
	FOR WINDOWS, DOORS AND SKYLIGHTS 2. AAMA 501.2, QUALITY ASSURANCE AND DIAGNOSTIC WATER LEAKAGE FIELD CHECK OF		N	AAMM AMP 500, NAAMM HMMA 861 AND ANSI/SDI 112.	
	INSTALLED STOREFRONTS, CURTAIN WALLS AND SLOPED GLAZING SYSTEMS NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAAMM)	с. d.	M	IANUFACTURER: STEELCRAFT, ASSA ABLOY, REPUBLIC OR APPROVED EQUAL. 1ATERIAL	
	I. HMMA 810, HOLLOW METAL DOORS 2. HMMA 820, HOLLOW METAL FRAMES		١.	GENERAL: COMPLY WITH ANSI/SDI A250.8, STANDARD DOUBLE RABBET, WELDED IN ACCORDANCE WITH SECTIONS I THROUGH 6 OF AWS DI.I.	
	3. HMMA 831, RECOMMENDED HARDWARE LOCATIONS FOR HOLLOW METAL DOORS AND FRAMES		2.		
	 HMMA 840, INSTALLATION AND STORAGE OF HOLLOW METAL DOORS AND FRAMES HMMA 841, TOLERANCES AND CLEARANCES FOR COMMERCIAL HOLLOW METAL DOORS AND 			b) FABRICATE FRAMES AS FACE WELDED UNLESS OTHERWISE INDICATED.	
	FRAMES 6. HMMA 840 TNOI, PAINTING HOLLOW METAL PRODUCTS			c) FRAMES FOR LEVEL 3 STEEL DOORS: STEEL SHEET, 16 GAUGE (0.0625 INCHES) THICKNESS MINIMUM.	
j.	DOOR AND HARDWARE INSTITUTE (DHI) I. ABBREVIATIONS AND SYMBOLS		2	d) TWO INCH FACES. B. INTERIOR FRAMES: FABRICATED FROM COLD-ROLLED STEEL SHEET.	
	2. DHI AII5 SERIES, SPECIFICATIONS FOR STANDARD STEEL DOOR AND STEEL FRAME		5.	a) FABRICATE FRAMES WITH MITERED OR COPED CORNERS.	
	PREPARATION FOR HARDWARE 3. RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR FLUSH WOOD DOORS			 b) FABRICATE FRAMES AS FACE PROFILE WELDED UNLESS OTHERWISE INDICATED. c) FRAMES FOR LEVEL 2 STEEL DOORS: 20 GAUGE (0.05 INCHES) THICKNESS MINIMUM. 	
	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) I. NFPA TO, NATIONAL ELECTRIC CODE			d) FRAMES FOR WOOD DOORS: 20 GAUGE (0.05 INCHES) THICKNESS MINIMUM.	
•	BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA)			 e) FRAMES FOR BORROWED LIGHTS: 20 GAUGE (0.05 INCHES) THICKNESS MINIMUM f) PROVIDE FRAMES WITH NO BACKBENDS WHERE INDICATED ON DRAWINGS. 	
	 ANSI/BHMA AI56.I, BUTTS AND HINGES ANSI/BHMA AI56.2, BORED AND PREASSEMBLED LOCKS AND LATCHES 		٨	g) TWO INCH FACES. . INTERIOR FRAMES: 20 GAUGE (0.050 INCHES) THICKNESS; "KNOCK-DOWN" HOLLOW METAL	
	 ANSI/BHMA AI56.3, EXIT DEVICES ANSI/BHMA AI56.4, DOOR CONTROLS-CLOSERS 			FRAMES ACCEPTABLE FOR INTERIOR USE ONLY.	
	5. ANSI/BHMA AI56.6, ARCHITECTURAL DOOR TRIM	е. f.	HC	IOLLOW METAL FRAMES TO BE FACTORY PRIMED. OLLOW METAL FRAMES TO BE FACTORY PREPARED FOR FINISH HARDWARE SELECTED.	
	 ANSI/BHMA AI56.7, TEMPLATE HINGE DIMENSIONS ANSI/BHMA AI56.8, HOLDERS AND STOPS 	g.		IAMB ANCHORS IN ACCORDANCE WITH ASTM A591 AND TYPE AS RECOMMENDED BY THE IANUFACTURER. REFER TO DRAWINGS FOR WALL THICKNESS SIZE.	
	8. ANSI/BHMA AI56.I6, AUXILIARY HARDWARE 9. ANSI/BHMA AI56.I8, MATERIALS AND FINISHES		Ι.	MASONRY TYPE: ADJUSTABLE STRAP-AND-STIRRUP OR T-SHAPED ANCHORS TO SUIT FRAME	
	10. ANSI/BHMA A156.19, POWER ASSISTANT AND LOW ENERGY POWER OPERATED DOORS			SIZE, NOT LESS THAN 0.042 INCH THICK, WITH CORRUGATED OR PERFORATED STRAPS NOT LESS THAN 2 INCHES WIDE BY 10 INCHES LONG; OR WIRE ANCHORS NOT LESS THAN 0.177 INCH	
	II. ANSI/BHMA AI56.2I, THRESHOLDS I2. ANSI/BHMA AI56.22, DOOR GASKETING AND EDGE SEAL SYSTEMS		2	THICK. 2. STUD-WALL TYPE: SNAP IN TYPE DESIGNED TO ENGAGE STUD, NOT LESS THAN 0.042 INCH	
	13. ANSI/BHMA A156.115, HARDWARE PREPARATION IN STEEL DOORS OR STEEL FRAMES 14. ANSI/BHMA A156.115W, HARDWARE PREPARATION IN WOOD DOORS WITH WOOD OR STEEL		3.	THICK.	
	FRAMES			. POST INSTALLED EXPANSION TYPE FOR IN-PLACE CONCRETE OR MASONRY: MINIMUM	
	INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE (ICC/ANSI) I. ICC/ANSI II7.I, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES			3/8-INCH DIAMETER BOLTS WITH EXPANSION SHIELDS OR INSERTS. PROVIDE PIPE SPACER FROM FRAME TO WALL, WITH THROAT REINFORCEMENT PLATE, WELDED TO FRAME AT EACH	
	AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) I. ASTM A123, STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON	h	FI	ANCHOR LOCATION. LOOR ANCHORS: FORMED FROM SAME MATERIAL AS FRAMES, NOT LESS THAN 0.042 INCH	
	AND STEEL PRODUCTS 2. ASTM A568, STANDARD SPECIFICATION FOR STEEL, SHEET, CARBON AND HIGH-STRENGTH,	. 1.	Tł	HICK, AND AS FOLLOWS: MONOLITHIC CONCRETE SLABS: CLIP-TYPE ANCHORS, WITH TWO HOLES TO RECEIVE	
	2. ASTM AS60, STANDARD SPECIFICATION FOR STEEL, SHEET, CARBON AND HIGH-STRENGTH, LOW-ALLOY, HOT-ROLLED AND COLD-ROLLED			FASTENERS.	
	3. ASTM A653, STANDARD SPECIFICATION FOR STEEL, SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS		2.	2. SEPARATE TOPPING CONCRETE SLABS: ADJUSTABLE-TYPE ANCHORS WITH EXTENSION CLIPS, ALLOWING NOT LESS THAN 2-INCH HEIGHT ADJUSTMENT. TERMINATE BOTTOM OF	
	4. ASTM A780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF	ı	INC	FRAMES AT FINISH FLOOR SURFACE. STALL HOLLOW METAL FRAMES OF SIZE AND PROFILE INDICATED. COMPLY WITH ANSI/SDI	
	HOT-DIP GALVANIZED COATINGS 5. ASTM B209, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM-ALLOY SHEET AND	1.		250.II.	
	PLATE 6. ASTM B221, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM-ALLOY EXTRUDED BARS,		١.	SET FRAMES ACCURATELY IN POSITION, PLUMBED, ALIGNED, AND BRACED SECURELY UNTIL PERMANENT ANCHORS ARE SET. AFTER WALL CONSTRUCTION IS COMPLETE, REMOVE	
	RODS, WIRE, PROFILES AND TUBES 1. ASTM B456, STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS OF COPPER PLUS		2.	TEMPORARY BRACES, LEAVING SURFACES SMOOTH AND UNDAMAGED. CHECK PLUMBNESS, SQUARENESS, AND TWIST OF FRAMES AS WALLS ARE CONSTRUCTED.	
	NICKEL PLUS CHROMIUM AND NICKEL PLUS CHROMIUM	,		SHIM AS NECESSARY TO COMPLY WITH INSTALLATION TOLERANCES. LAZING: COMPLY WITH INSTALLATION REQUIREMENTS IN DIVISION OB SECTION "GLAZING" AND	
	8. ASTM B633, STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS OF ZINC ON IRON AND STEEL	J.		ITH HOLLOW METAL MANUFACTURER'S WRITTEN INSTRUCTIONS.	
	 ASTM C509, STANDARD SPECIFICATION FOR ELASTOMERIC CELLULAR PREFORMED GASKET AND SEALING MATERIAL 		I.	SECURE STOPS WITH COUNTERSUNK FLAT- OR OVAL-HEAD MACHINE SCREWS SPACED UNIFORMLY NOT MORE THAN 9 INCHES O.C. AND NOT MORE THAN 2 INCHES O.C. FROM EACH	
	IO. ASTM C864, STANDARD SPECIFICATION FOR DENSE ELASTOMERIC COMPRESSION SEAL GASKETS, SETTING BLOCKS AND SPACERS	٢	FI	CORNER. INISH: FACTORY PRIMED, FIELD APPLIED FINISH, REFERENCE DIVISION O9 OF THESE GENERAL	
	II. ASTM CIO36, STANDARD SPECIFICATION FOR FLAT GLASS	Ν.	NC	OTES.	
	12. ASTM CIO48, STANDARD SPECIFICATION FOR HEAT-STRENGTHENED AND FULLY TEMPERED FLAT GLASS		١.	COLOR AS SELECTED BY OWNER OR OWNER'S REPRESENTATIVE FROM PAINT MANUFACTURER'S STANDARDS.	
	13. ASTM D6386, STANDARD PRACTICE FOR PREPARATION OF ZINC (HOT-DIP GALVANIZED() COATED IRON AND STEEL PRODUCT AND HARDWARE SURFACES FOR PAINTING				
	14. ASTM D7396, STANDARD GUIDE FOR PREPARATION OF NEW, CONTINUOUS ZINC-COATED				
	(GALVANIZED) STEEL SURFACES FOR PAINTING 15. ASTM E163, STANDARD METHODS OF FIRE TESTS OF WINDOW ASSEMBLIES				
	16. ASTM EI300, STANDARD PRACTICE FOR DETERMINING LOAD RESISTANCE OF GLASS IN BUILDINGS				
	17. ASTM E2190, STANDARD SPECIFICATION FOR INSULATING GLASS UNIT PERFORMANCE AND EVALUATION				

18. ASTM F1941, STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS ON MECHANICAL

a. WHERE SHOWN ON THE DRAWINGS OR REQUIRED, PROVIDE DURABLE, WEATHERPROOF, TEMPORARY DOORS AND HARDWARE AS REQUIRED TO SECURE THE BUILDING DURING THE

a. PROVIDE DURABLE, WEATHERPROOF, TEMPORARY COVERING AT WINDOW AND DOOR OPENINGS AS REQUIRED TO SECURE THE BUILDING AND MAINTAIN CLIMATE CONTROL DURING THE

a. EXAMINE SUBSTRATES, STRUCTURE AND INSTALLATION CONDITIONS. DO NOT PROCEED WITH WORK UNDER THIS DIVISION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITY FOR LLET RESISTANT TRANSACTION WINDOW PROVIDE THE FACTORY FABRICATED, 36 IN. BY 48 IN. LEVEL 2 BULLET

- WINDOW, COMPLETE WITH ALUMINUM FRAME, LEVEL 2 GLAZING, PLASTIC L (COUNTERTOP), STAINLESS STEEL RECESSED DEAL TRAY AND HOLE WITH SHOWN ON THE DRAWINGS AND AS NOTED HEREIN
- . BALLISTIC RESISTANT: LEVEL 2 AND IN ACCORDANCE WITH U.L. 152 -RESISTANT FOR THE COMPLETE ASSEMBLY INCLUDING FRAMING, GLAZ 2. FIELD ALTERATIONS TO FABRICATED UNIT WILL NOT ALLOWED.
- MANUFACTURER: TOTAL SECURITY SOLUTIONS, INC. OR APPROVED EQUAL FABRICATION I. ALUMINUM SECTIONS TO BE MANUFACTURED IN ACCORDANCE WITH AS
- ALUMINUM ALLOY 6063 T5 ANODIZED AND BE FREE OF SHARP EDGES
- 2. GLAZING CHANNEL: U-CHANNEL SPECIFICALLY DESIGNED FOR SECUR TIGHTLY IN PLACE. ANGLES AND STOPS ARE ONLY ACCEPTABLE FO EXPOSED ALUMINUM EDGES SHALL BE CLEAN CUT AND HAVE NO BUR SHALL BE ROUNDED AND SANDED. 3. TOLERANCES: ALL JOINTS AND CONNECTIONS SHALL BE TIGHT, PROV
- AND TRUE ALIGNMENT OF ADJACENT MEMBERS FRAME FINISH, FACTORY APPLIED FINISH
- . ARCHITECTURAL CLASS I, COLOR COATING AA-MIOC22A42/A44 MECHANIC/ ETCHED, MEDIUM MATTE; 0.70 MILS MINIMUM COMPLYING WITH AAMA°611 "VO ANODIZED ARCHITECTURAL ALUMINUM". 2. COLOR: DARK BRONZE.
- I. BULLET RESISTANT LEVEL 2, I-3/8 INCHES THICK, ABRASION RESISTANT COATED ACRYLIC WITH CLOSED CELL NEOPRENE GASKETS 2. ACRYLIC: ALL ACRYLIC PIECES SHALL MEET OR EXCEED UL 752 TESTING FOR BALLISTIC INTEGRITY. ALL EDGES OF ACRYLIC SHALL BE FILED, SANDED AFTER CUTTING TO REMOVE ROUGH EDGES AND THEN POLISHED UNTIL "WATER CLEAR" TRANSPARENT. ALL THROUGH HOLES FOR FASTENERS SHALL BE 3/8 INCH IN DIAMETER AND BE DRILLED CLEAN. CHIPPED EDGES AT THROUGH-HOLE EXIT POINTS ARE NOT ACCEPTABLE. ALL ACRYLIC PIECES SHALL BE SUPPORTED IN THE PROPER GLAZING CHANNEL DESIGNED FOR THIS PURPOSE.
- PROVIDE A SHELF I-1/2 INCHES THICK WITH A RECESSED CASH TRAY. 2. THE SHELF TO BE FULL WIDTH OF WINDOW, 18 INCHES DEEP, CENTERED UNDER THE GLAZING AND
- COVERED WITH A BLACK HIGH PRESSURE LAMINATE. CASH TRAY I. CASH TRAY TO BE 18 GA. STAINLESS STEEL, No. 4 FINISH, 16 INCHES BY 10 INCHES FROM THE OUTSIDE
- EDGE OF FLANGES. INSTALLATION
- I. DO NOT BEGIN INSTALLATION OF UNIT UNTIL OPENING HAS BEEN VERIFIED AND SURFACES PROPERLY PREPARED IN ACCORDANCE WITH THE MANUFACTURER AND THE DRAWINGS. 2. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND UL 152.
- SET UNIT PLUMB. 4. ALL PRODUCTS SHALL BE INSTALLED PER INSTALLATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER.

RESISTANT TRANSACTION LAMINATE SILL HBACKER VOICE PORT AS	0809.	SEC a.
- Testing for Ballistic Zing and Panels.		b.
 5TM B209, EXTRUDED 5 OR BURRS WHEN IN RING TRANSPARENCIES OR TOP ATTACHMENT. ALL RRS. EXPOSED CORNERS VIDING HAIRLINE JOINTS AL FINISH CHEMICAL FINISH: DUNTARY SPECIFICATION FOR		с. d.

- TIONAL DOORS PROVIDE THE INSULATED, SECTIONAL OVERHEAD DOOR ASSEMBLIES (INTERIOR MOUNT ONLY). FACTORY FINISHED GALVANIZED STEEL, ELECTRICALLY OPERATED, INSULATED SECTIONAL OVERHEAD DOORS AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH ASTM A653, G60 COATING
- OBTAIN SECTIONAL OVERHEAD DOORS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER. I. OBTAIN OPERATORS AND CONTROLS FROM SECTIONAL OVERHEAD MANUFACTURER. a) ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES SHALL BE LISTED AND LABELED AS DEFINED IN NEPA TO, ARTICLE 100.
- MANUFACTURER: OVERHEAD DOOR CORP., WAYNE-DALTON CORP., FIMBEL DOOR CORP., HAAS DOOR, RAYNOR, OR APPROVED EQUAL. STEEL DOOR SECTIONS
- I. CONSTRUCT DOOR SECTIONS INCLUDING FACE SHEETS AND FRAMES FROM ZINC-COATED (GALVANIZED), COLD-ROLLED, COMMERCIAL STEEL (CS) SHEET, COMPLYING WITH ASTM A653, 660 COATING DESIGNATION. MINIMUM BASE-METAL (UNCOATED) THICKNESS FOR SECTION FACES TO BE 0.033 INCHES.
- 2. FABRICATE DOOR PANELS FRAME A SINGLE SHEET TO PROVIDE SECTIONS NOT MORE THAN 24 INCHES HIGH AND 1-5/8 INCHES DEEP MINIMUM, ROLLED TO FORM A WEATHER-TIGHT SEAL, WITH REINFORCING FLANGE RETURN. INSULATED DOORS SECTIONS TO HAVE CONTINUOUS THERMAL-BREAK CONSTRUCTION, SEPARATING FACES OF DOOR, ENCLOSED OPEN SECTIONS WITH CHANNEL END STILES FORMED FROM NOT LESS THAN 0.064 INCH THICK GALVANIZED STEEL SHEET, WELDED. INTERMEDIATE STILES, SAME SHEET THICKNESS, SPACED NOT MORE THAN 48 INCHES APART. REINFORCE SECTIONS WITH CONTINUOUS
- HORIZONTAL AND DIAGONAL REINFORCEMENT, AS REQUIRED TO STIFFEN DOOR AND FOR WIND LOADING. PROVIDE REINFORCEMENT FOR HARDWARE ATTACHMENT. 3. THERMAL INSULATION: FOAMED IN-PLACE INNER CORE WITH MANUFACTURER'S STANDARD POLYURETHANE INSULATION. MAXIMUM FLAME SPREAD 75, SMOKE DEVELOPMENT 450 ACCORDING TO ASTM E84. NO EXPOSED INSULATION MATERIAL WILL BE PERMITTED.
- 4. FINISH: COMPLY WITH NAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS". CLASS I, CLEAR ANODIC FINISH COMPLYING WITH AAMA 611. a) COLOR SELECTED BY OWNER OR OWNER'S REPRESENTATIVE.
- e. TRACKS, SUPPORTS, AND ACCESSORIES I. TRACKS: MANUFACTURER'S STANDARD, GALVANIZED STEEL SYSTEM, SIZED FOR DOOR SIZE AND WEIGHT, DESIGNED FOR LIFT TYPE INDICATED AND CLEARANCES SHOWN, PROVIDE COMPLETE TRACK ASSEMBLY INCLUDING BRACKETS, BRACING, AND REINFORCEMENT FOR RIGID SUPPORT OF BALL-BEARING ROLLER GUIDES FOR REQUIRED DOOR TYPE AND SIZE. SLOT VERTICAL SECTIONS OF TRACK 2 INCHES APART FOR DOOR DROP SAFETY DEVICE. TRACKS TO HAVE PROPER DESIGN TO ENSURE TIGHT CLOSURE AT JAMBS WHEN DOOR UNIT IS CLOSED.
- 2. TRACK REINFORCEMENT AND SUPPORT: SECURE, REINFORCE, AND SUPPORT AS REQUIRED FOR DOOR SIZE AND WEIGHT USING GALVANIZED STEEL REINFORCEMENT AND SUPPORT MATERIALS AND COMPONENTS TO PROVIDE STRENGTH AND RIGIDITY WITHOUT SAG, SWAY, AND VIBRATION DURING OPENING AND CLOSING OF DOORS.
- a) SUPPORT AND ATTACH TRACKS TO OPENING JAMBS WITH CONTINUOUS ANGLED WELDED TO TRACKS, ATTACHED TO WALL. SUPPORT HORIZONTAL (CEILING) TRACKS WITH CONTINUOUS ANGLE WELDED TO TRACK SUPPORTED BY LATERALLY BRACED
- ATTACHMENTS TO STRUCTURAL MEMBERS AT CURVE AND END OF TRACKS. WEATHERSEALS: REPLACEABLE, ADJUSTABLE, CONTINUOUS COMPRESSIBLE WEATHER-STRIPPING GASKETS OF FLEXIBLE VINYL, RUBBER, OR NEOPRENE FITTED TO BOTTOM AND TOP OF DOOR. I. PROVIDE MOTOR-OPERATED DOORS WITH COMBINATION BOTTOM WEATHERSEAL AND
- SENSOR EDGE. 2. PROVIDE CONTINUOUS FLEXIBLE SEALS AT DOOR JAMBS FOR A WEATHER-TIGHT
- INSTALLATION. q. WINDOWS: TYPE AND SIZE INDIGATED AND IN ARRANGEMENT SHOWN. SET IN WEATHER-TIGHT GLAZING CHANNEL AND PROVIDE REMOVABLE GLAZING STOPS MATCHING DOOR MATERIAL. I. CLEAR FLOAT GLASS: 3 mm THICK, ASTM CI036, TYPE I, CLASS I, QUALITY Q3.
- h. HARDWARE
- I. PROVIDE HEAVY-DUTY, CORROSION-RESISTANT HARDWARE, WITH HOT-DIPPED GALVANIZED, STAINLESS STEEL OR OTHER CORROSION-RESISTANT FASTENERS TO SUITE DOOR TYPE. 2. HINGES: HEAVY DUTY GALVANIZED STEEL OF NOT LESS THAN 0.0747 INCHES THICK, UNCOATED STEEL AT EACH END OF STILE AND AT EACH INTERMEDIATE STILE, ACCORDING TO MANUFACTURER'S PRINTED RECOMMENDATIONS FOR DOOR SIZE AND WEIGHT. PROVIDE DOUBLE-END HINGES WHERE REQUIRED, FOR DOORS EXCEEDING 16 FEET IN WIDTH, UNLESS OTHERWISE RECOMMENDED BY DOOR MANUFACTURER.
- ROLLERS: HEAVY-DUTY ROLLERS WITH STEEL BALL BEARINGS IN CASEHARDENED STEEL RACES. EXTEND ROLLER SHAFT THROUGH BOTH HINGES WHERE DOUBLE HINGES ARE REQUIRED. PROVIDE DOOR MANUFACTURER'S STANDARD DIAMETER OF ROLLER TIRES AS REQUIRED FOR DOOR SIZE AND WEIGHT. TIRE MATERIAL TO BE CASEHARDENED STEEL. 4. PROVIDE PUSH/PULL HANDLE AND SLIDE BOLT.
- i. COUNTERBALANCE MECHANISM TORSION SPRING: CONSISTING OF ADJUSTABLE-TENSION TORSION SPRINGS FABRICATED FROM OIL-TEMPERED-STEEL WIRE COMPLYING WITH ASTM A229, CLASS II, MOUNTED ON A CROSS-HEADER TUBE OR STEEL SHAFT. CONNECT TO DOOR WITH GALVANIZED AIRCRAFT-TYPE LIFT CABLES WITH CABLE SAFETY FACTOR OF AT LEAST 5 TO I. SPRINGS ARE TO CALIBRATED FOR A MINIMUM OF 10,000 CYCLES.
- 2. CABLE DRUMS: GROOVED TO RECEIVE CABLE. MOUNT COUNTERBALANCE MECHANISM WITH MANUFACTURER'S STANDARD BALL-BEARING BRACKETS AT EACH END OF SHAFT. PROVIDE ONE ADDITIONAL MIDPOINT BRACKET FOR SHAFTS UP TO 16 FEET LONG AND TWO ADDITIONAL BRACKETS AT ONE-THIRD POINTS TO SUPPORT SHAFTS MORE THAN 16 FEET LONG UNLESS CLOSER SPACING IS SPECIFIED BY DOOR MANUFACTURER.
- 3. CABLE SAFETY DEVICE: INCLUDE SPRING-LOADED, STEEL OR BRONZE CAM MOUNTED TO BOTTOM DOOR ROLLER ASSEMBLY ON EACH SIDE AND DESIGNED TO AUTOMATICALLY STOP DOOR IF EITHER CABLE BREAKS.
- 4. BRACKET: PROVIDE ANCHOR SUPPORT BRACKET AS REQUIRED TO CONNECT STATIONARY END OF SPRING TO WALL AND TO LEVEL SHAFT AND PREVENT SAG.
- 5. PROVIDE A SPRING BUMPER AT EACH HORIZONTAL TRACK TO CUSHION DOOR AT END OF
- OPENING OPERATION. ELECTRIC DOOR OPERATOR PROVIDE ELECTRIC DOOR OPERATOR ASSEMBLY OF SIZE AND CAPACITY RECOMMENDED AND PROVIDED BY DOOR MANUFACTURER FOR DOOR AND OPERATION-CYCLE REQUIREMENTS SPECIFIED, WITH ELECTRIC MOTOR AND FACTORY-PREWIRED MOTOR CONTROLS, STARTER, GEAR-REDUCTION UNIT, SOLENOID OPERATED BRAKE, CLUTCH, REMOTE-CONTROL STATIONS, CONTROL AND SAFETY DEVICES, INTEGRAL GEARING FOR LOCKING DOOR, AND ACCESSORIES FOR REQUIRED PROPER DOOR OPERATION.
- 2. DISCONNECT DEVICE: HAND-OPERATED DISCONNECT DEVICE OR MECHANISM FOR AUTOMATICALLY ENGAGING CHAIN-AND-SPROCKET OPERATOR RELEASING BRAKE FOR EMERGENCY MANUAL OPERATION WHILE DISCONNECTING MOTOR. MOUNT DISCONNECT DEVICE TO BE ACCESSIBLE FROM FINISHED FLOOR LEVEL. INCLUDE INTERLOCK DEVICE TO AUTOMATICALLY PREVENT MOTOR FROM OPERATING UPON ENGAGING DISCONNECT DEVICE.
- 3. PROVIDE CONTROL EQUIPMENT COMPLYING WITH NEMA ICS I, NEMA ICS 2, AND NEMA ICS 6, WITH NEPA 70, CLASS 2 CONTROL CIRCUIT, MAXIMUM 24-V, AC OR DC. DOOR-OPERATOR TYPE: GEAR-HEAD TROLLEY TYPE, WITH ENCLOSED WORM GEAR,
- RUNNING-IN OIL, PRIMARY DRIVE; CHAIN-AND-SPROCKET SECONDARY DRIVE; AND QUICK RELEASE FOR MANUAL OPERATION. ELECTRIC MOTORS: HIGH-STARTING TORQUE, REVERSIBLE, CONSTANT DUTY, CLASS A,
- INSULATED ELECTRIC MOTORS COMPLYING WITH NEMA MG I, WITH OVERLOAD PROTECTION, SIZED TO START, ACCELERATE, AND OPERATE DOOR IN EITHER DIRECTION FROM ANY POSITION, AT NOT LESS THAN 2/3 fps AND NOT MORE THAN I fps, WITHOUT EXCEEDING NAMEPLATE RATINGS OR SERVICE FACTOR.
- a) POWER SUPPLY: 120 VOLT, SINGLE PHASE, 60 HZ. b) TYPE: POLYPHASE, MEDIUM-INDUCTION TYPE
- b) COORDINATE WIRING REQUIREMENTS AND ELECTRICAL CHARACTERISTICS OF MOTORS WITH ELECTRICAL CONTRACTOR AND THE BUILDINGS ELECTRICAL SYSTEM. REMOTE-CONTROL STATION: MOMENTARY-CONTACT, THREE BUTTON CONTROL STATION WITH PUSH-BUTTON CONTROLS LABELED "OPEN", "CLOSE", AND "STOP". PROVIDE FULL-GUARDED,
- INTERIOR SURFACE WALL MOUNTED NEXT DOOR DOOR, HEAVY DUTY TYPE INTERIOR UNIT WITH GENERAL PURPOSE, NEMA ICS 6, TYPE I ENCLOSURE. OBSTRUCTION DETECTION DEVICE: PROVIDE EACH MOTORIZED DOOR WITH EXTERNAL
- AUTOMATIC SAFETY SENSOR CAPABLE OF PROTECTING FULL WIDTH OF DOOR OPENING. ACTIVATION IMMEDIATELY STOPS AND REVERSES DOWNWARD DOOR TRAVEL. 8. LIMIT SWITCHES: ADJUSTABLE SWITCHES INTERLOCKED WITH MOTOR CONTROLS AND SET TO AUTOMATICALLY STOP DOOR AT FULLY OPENED AND FULLY CLOSED POSITIONS.
- k. INSTALLATION INSTALL DOOR, TRACK, AND OPERATING EQUIPMENT COMPLETE WITH NECESSARY HARDWARE, JAMB AND HEAD MOLDINGS STRIPS, ANCHORS, INSERTS, HANGERS, AND EQUIPMENT SUPPORTS ACCORDING TO MANUFACTURER'S PRINTED INSTRUCTIONS, AND AS SPECIFIED.
- 2. FASTEN VERTICAL TRACK ASSEMBLY TO FRAMING, SPACED NOT LESS THAN 24 INCHES APART. HANG HORIZONTAL TRACK FROM OVERHEAD STRUCTURAL FRAMING WITH ANGLE OR CHANNEL HANGERS FASTENED TO FRAMING BY WELDING OR BOLTING OR BOTH. PROVIDE SWAY BRACING, DIAGONAL BRACING, AND REINFORCEMENT AS REQUIRED FOR RIGID INSTALLATION OF TRACK AND DOOR-OPERATING EQUIPMENT. ADJUSTING
- I. LUBRICATE BEARINGS AND SLIDING PARTS; ADJUST DOORS TO OPERATE EASILY, FREE FROM WARP, TWIST, OR DISTORTION AND WITH WEATHER-TIGHT FIT AROUND ENTIRE PERIMETER.
- 2. ADJUST BELT-DRIVEN MOTORS AS FOLLOWS:
- a) USE ADJUSTABLE MOTOR-MOUNTING BASES FOR BELT-DRIVEN MOTORS. b) ALIGN PULLEYS AND INSTALL BELTS.
- c) TENSION BELT ACCORDING TO MANUFACTURER'S PRINTED INSTRUCTIONS.



DIVISION 08 - OPENINGS, CONTINUED

OBIO. DOOR HARDWARE

- a. PROVIDE THE FINISH HARDWARE AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION.
- I. ALL HARDWARE SHALL BE IN COMPLIANCE WITH OBC CHAPTERS IO AND II, THE DOOR AND HARDWARE INSTITUTE, UNDERWRITERS LABORATORIES, NFPA 10, NFPA 101, BHMA 1301 AND ICC/ANSI AII7.1.
- b. COORDINATE WITH ELECTRICAL CONTRACTOR AND OWNER'S CONTROLLED ACCESS SECURITY SYSTEM CONSULTANT (UNDER SEPARATE CONTRACT) FOR ALL ELECTRICAL REQUIREMENTS AND FOR SEQUENCING OF COMPONENT INSTALLATION FOR ELECTRIFIED STRIKES, HINGES, PANIC HARDWARE, MAGNETIC LOCKS AND ALL OTHER SECURITY SYSTEM ITEMS AT DOORS SUPERVISED BY THE OWNER'S CONTROLLED ACCESS SECURITY SYSTEM.
- REFER TO DOOR SCHEDULE GENERAL NOTES AND DOOR SCHEDULE FOR BREAKDOWN OF 0901. REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION GENERAL CONTRACTOR PROVIDED HARDWARE VS. HARDWARE PROVIDED AND INSTALLED BY THE OWNER'S SECURITY SYSTEM CONSULTANT.
- c. MATERIALS UNLESS OTHERWISE NOTED, ALL FINISHES TO BE US26D, SATIN CHROME. HINGE: COMPLY WITH ANSI A156.1, GRADE 1, ANSI A2111 AND ANSI A51111; 4-1/2 INCH x 4-1/2 INCH, FULL MORTISE, FIVE KNUCKLE BALL-BEARING, WITH REMOVABLE AND NON-REMOVABLE
- 3. LEVERS: CYLINDRICAL, COMPLY WITH ANSI A156.13 GRADE I.
- 4. EXIT DEVICE: COMPLY WITH ANSI A156.3, GRADE I; STANDARD STILE DESIGN; LATCHING AS
- NOTED; NO LATCH DOGGING AT ELECTRIFIED DEVICES. DEADBOLTS: UL 437, ANSI 156.5, GRADE I.
- 6. AUTOMATIC DOOR OPERATOR: COMPLY WITH ANSI A156.19. 1. CLOSER: COMPLY WITH ANSI A156.4, GRADE I; UNIVERSAL HANDING; REGULAR, TOP JAMB AND PARALLEL ARM MOUNTING; STEEL RACK AND PINION CONSTRUCTION; PRESSURE CAST STEEL OR ALUMINUM CASE; VACUUM AND PRESSURE IMPREGNATED WITH RESIN TO REDUCE THE POSSIBILITY OF MICRO-POROSITY; FURNISHED WITH A REVERSIBLE POWER ADJUSTMENT ARM BRACKET FOR A 15 PERCENT LATCHING FORCE ADJUSTMENT; SPEED SHALL BE ADJUSTABLE AND IN COMPLIANCE WITH ICC AII7.1; MANUFACTURER'S STANDARD POWDER COAT FINISH. TRIMS: COMPLY WITH ANSI A156.6, ANSI A156.16, ANSI A156.18 AND ANSI A156.22.
- THRESHOLDS: COMPLY WITH ANSI A156.21 AND ANSI / ICC A117.1 FRAME SILENCERS: INSERTED IN PRE-PUNCHED HOLES IN HOLLOW METAL DOOR FRAMES;

RUBBER; THREE PER STRIKE JAMB. MANUFACTURERS AND PRODUCTS

- EXTERIOR HINGE: HAGER ECBBILO3NRP; OR APPROVED EQUAL; US32D FINISH.
- LEVER LOCKSET: SCHLAGE, GRADE I, RHODES SERIES.
- 3. CLOSER: LCN 4000 SERIES, FINISH TO MATCH LOCKSET; OR APPROVED EQUAL. a) PROVIDE HEAVY DUTY CLOSER AT ALL EXTERIOR DOORS AND INTERIOR DOORS AT AIR-LOCK VESTIBULES AND AT DOORS EXCEEDING 36" IN WIDTH. PROVIDE STANDARD
- DUTY AT ALL OTHER DOORS THAT ARE SCHEDULED TO RECEIVE CLOSER. DEADBOLT: SCHLAGE B664P, GRADE I, COMMERCIAL ONE SIDED KEYED LOCK.
- AUTOMATIC DOOR OPERATOR: NORTON 5900 SERIES; OR APPROVED EQUAL.
- 6. ACTUATOR SYSTEM: LCN 1. ALL EXIT DEVICES TO BE PROVIDED BY GC: VON DUPRIN 9947, CONCEALED VERTICAL ROD SERIES; ELECTRIFIED AND/OR FIRE RATED WHERE SCHEDULED
- 8. ELECTRIFIED STRIKES TO BE PROVIDED AND INSTALLED BY OWNER'S CONTROLLED ACCESS SECURITY CONSULTANT WHERE SCHEDULED. REFER TO DOOR SCHEDULE AND DOOR SCHEDULE GENERAL NOTES.
- 9. PUSH/PULL: HAGER 305-8x16 PUSH AND HAGER 33E-4x16 PULL. IO. STOPS:
- a) FLOOR: HAGER 052150 HIGH FLOOR DOME STOP, SATIN CHROME OR APPROVED EQUAL. b) WALL: 2 1/2" DIA. STEEL ESCUTCHEON, SATIN STAINLESS STEEL FINISH, WITH CONCAVE RUBBER DOOR STOP, ROCKWOOD #409 OR APPROVED EQUAL.
- II. TRIMS: a) KICK PLATE: HAGER 1985, 18 IN. x 34 IN., STAINLESS STEEL, OR APPROVED EQUAL. b) WEATHER-STRIPPING, PERIMETER: CONCEALED FASTENER; NATIONAL GUARD 1725; OR APPROVED EQUAL
- c) SHOE: NATIONAL GUARD 319; OR APPROVED EQUAL
- 12. EXTERIOR DOOR THRESHOLDS: NATIONAL GUARD &96V, MIL FINISH, SLIP RESISTANT, ADA ACCESSIBLE. EQUALS BY HAGER, OR PEMKO.
- 13. RAMP THRESHOLDS AT INTERIOR DOORS WHERE SCHEDULED: BARRIER FREE, 6 IN. x 1/2 IN. MODULAR, DARK BRONZE ANODIZED ALUMINUM, MODEL No. 259 OR APPROVED EQUAL. 14. KEY CYLINDER: MATCH LOCKSET MANUFACTURER.
- e. KEYING REQUIREMENTS:
- COORDINATE KEYING SCHEDULE WITH THE OWNER. 2. FURNISH QUANTITY OF MASTER KEYS AS REQUIRED BY THE OWNER.
- 3. ALL PRODUCTS SHALL BE FROM THE SAME SOURCE.
- F. INSTALLER SHALL HAVE NO LESS THAN FIVE YEARS OF DOCUMENTED EXPERIENCE WITH THE TYPE OF HARDWARE SPECIFIED AND SIMILAR IN SIZE AND SCOPE TO THIS PROJECT.

0811. GLAZING

- a. PROVIDE GLAZING AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN.
- I. COMPLY WITH REQUIREMENTS OF OBC SECTION 716, OPENING PROTECTIVES AND OBC CHAPTER 24, 16 CFR 1201, ANSI Z97.1, ICC A117.1, ASTM E1300, ASTM C1036, ASTM C1048, GANA "GLAZING MANUAL" AND IGMA TM-3000.
- b. STRUCTURAL PERFORMANCE I. GLAZING SYSTEMS SHALL WITHSTAND NORMAL THERMAL MOVEMENT, WIND LOADS AND IMPACT LOADS (WHERE APPLICABLE) WITHOUT FAILURE AND SHALL REMAIN AIR AND
- WATERTIGHT (WHERE APPLICABLE). 2. REFERENCE THE STRUCTURAL DRAWINGS FOR DESIGN WIND SPEED, IMPORTANCE FACTOR, EXPOSURE CATEGORY AND LOADS.
- 3. DESIGN FOR THERMAL MOVEMENT FROM AMBIENT AND SURFACE TEMPERATURE CHANGES AND BASED ON SURFACE TEMPERATURE OF MATERIALS DUE TO SOLAR HEAT GAIN AND NIGHTTIME SKY HEAT LOSS.
- 4. FOR GLASS SUPPORTED ON ALL FOUR EDGES, LIMIT CENTER-OF-GLASS DEFLECTION AT DESIGN WIND PRESSURE TO NOT MORE THAN 1/50 TIMES THE SHORT-SIDE LENGTH OR ONE INCH, WHICHEVER IS LESS.
- 5. DESIGN TO RESIST THERMAL STRESSES INDUCED BY DIFFERENTIAL SHADING WITHIN INDIVIDUAL GLASS LITES.
- c. MATERIAL
- FLOAT GLASS (ANNEALED): COMPLY WITH ASTM C1036, TYPE I, , CLASS I, QUALITY Q3. 2. FLOAT GLASS (HEAT TREATED): COMPLY WITH ASTM CIO48, TYPE I, CLASS I, QUALITY Q3;
- HORIZONTALLY TREATED. 3. CLEAR TEMPERED GLASS: COMPLY WITH ASTM CIO48, KIND FT, CONDITION A, TYPE I, CLASS 1, QUALITY Q3.
- 4. INSULATED UNIT: COMPLY WITH ASTM E2190; FACTORY ASSEMBLED UNIT COMPRISING OF TWO ORGANICALLY SEALED SHEETS OF TEMPERED GLASS SEPARATED BY DEHYDRATED (DESSICATED), GAS FILLED AIR SPACE; OUTER SHEET LOW E 366, INNER SHEET CLEAR; MINIMUM 3/4 INCHES TOTAL THICKNESS.
- 5. SETTING BLOCKS AND SPACERS: COMPLY WITH ASTM C864; SEMI-HARD NEOPRENE OR VINYL RUBBER; 70-90 SHORE A HARDNESS WHEN TESTED IN ACCORDANCE WITH ASTM D2240; WIDTH EQUAL TO THE THICKNESS OF THE GLASS AND LONG ENOUGH TO LIMIT LOAD
- ON EACH BLOCK TO 15 lbs./sq. in.; THREE INCHES MINIMUM LENGTH OF SETTING BLOCKS. 6. GLAZING GASKET: COMPLY WITH ASTM C509; CHANNEL TYPE, CONTINUOUS, CLOSED-CELL EXTRUDED NEOPRENE OR VINYL RUBBER; SHALL BE CAPABLE OF BEING COMPRESSED 40 PERCENT ORIGINAL SIZE AND SHALL HAVE 100 PERCENT RECOVERABILITY WHEN TESTED IN ACCORDANCE WITH ASTM F36.
- 1. GLAZING TAPE: SYNTHETIC RUBBER SHEET OR STRIP MATERIAL REINFORCED AND STABILIZED WITH FABRIC MESH; TREATED WITH A BONDING AGENT ON BOTH CONTACT SURFACES.
- d. SCHEDULE
- REFERENCE THIS GENERAL NOTE SECTION.
- INTERIOR DOOR VISION PANEL: TEMPERED. TRANSACTION WINDOW: REFER TO THE WINDOW SECTION THIS DIVISION.
- e. VISIBLE REFLECTANCE IN ACCORDANCE WITH NFRC 300.
- F. FIRE-RESISTANT-RATED GLAZING IN OPENING PROTECTIVES SHALL BE TESTED IN ACCORDANCE WITH ASTM EII9 OR U. L. 263, AND SHALL BE PERMANENTLY MARKED AND IDENTIFIED IN ACCORDANCE WITH OBC SECTION 716.
- TEMPERED GLAZING SHALL BE PERMANENTLY MARKED WITH THE CERTIFICATION LABEL OF THE SGCC, MANUFACTURER'S NAME, TYPE OF GLASS, THICKNESS AND SAFETY GLAZING STANDARD WITH WHICH THE GLASS COMPLIES.
- h. INSULATED UNIT SHALL BE PERMANENTLY MARKED WITH THE APPROPRIATE CERTIFICATION LABEL OF IGCC. I. WARRANT
- COATED GLASS: 10 YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION. 2. INSULATED UNIT: 10 YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION.

DIVISION 09 - FINISHES

- 0900. PROVIDE SUBMITTALS IN ACCORDANCE WITH DIVISION OI GENERAL CONDITIONS. a. GYPSUM BOARD ASSEMBLIES
- **b. NON-STRUCTURAL METAL FRAMING**
- C PORCELAIN THE d. ACOUSTICAL CEILINGS
- e. SUSPEND WOOD PANEL CEILING ASSEMBLY
- f. WOOD FLOORING q. RESILIENT FLOORING
- . RESILIENT BASE AND ACCESSORIES
- i. PAINTING AND COATING

- a. GYPSUM ASSOCIATION (GA)
- I. GA-214, RECOMMENDED LEVELS OF FINISH FOR GYPSUM BOARD, GLASS 1 FIBER-REINFORCED GYPSUM PANELS
- 2. GA-216, APPLICATION AND FINISHING OF GYPSUM PANEL PRODUCTS
- 3. GA-222, REPAIRING SCREW AND NAIL POPS 4. GA-801, HANDLING AND STORAGE OF GYPSUM PANEL PRODUCTS
- b. INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE . ICC/ANSI 117.1, GUIDELINES FOR ACCESSIBLE AND USABLE BUILDINGS AND c. TILE COUNCIL OF NORTH AMERICA (TCNA)
- TCNA HANDBOOK FOR TILE INSTALLATION
- d. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- ANSI AIO.20, SAFE OPERATING PRACTICES FOR TILE
- 2. ANSI AIOB.OI, SUBSURFACES AND PREPARATIONS BY OTHER TRADES 3. ANSI A108.02, MATERIALS, ENVIRONMENTAL AND WORKMANSHIP
- 4. ANSI AIO8.IA, INSTALLATION OF CERAMIC TILE IN WET-SET METHOD WITH MORTAR
- 5. ANSI AIO8.6, INSTALLATION OF CERAMIC TILE WITH CHEMICAL RESISTANT TILE SETTING AND GROUT EPOXY
- 6. ANSI AIO8.IO, INSTALLATION OF GROUT IN TILE WORK 1. ANSI AII8.3, SPECIFICATION FOR CHEMICAL RESISTANT, WATER-CLEANABL GROUT EPOXY
- 8. ANSI A137.1, SPECIFICATIONS FOR CERAMIC TILE
- e. CEILINGS AND INTERIOR SYSTEMS CONSTRUCTION ASSOCIATION (CISCA) I. CISCA CEILING SYSTEMS HANDBOOK
- 2. CISCA SEISMIC (ZONES 0-2) RECOMMENDATIONS FOR DIRECT-HUNG ACOU LAY-IN PANEL CEILINGS
- f. CODE OF FEDERAL REGULATIONS (CFR) I. 40 CFR 60, DETERMINATION OF VOLATILE MATTER CONTENT, WATER CON VOLUME SOLIDS AND WEIGHT SOLIDS OF SURFACE COATINGS 2. 40 CFR 59, NATIONAL VOLATILE ORGANIC COMPOUND EMISSION STANDAR
- ARCHITECTURAL COATINGS
- MASTER PAINTER'S INSTITUTE (MPI) . MPI ARCHITECTURAL PAINTING AND SPECIFICATION MANUAL
- h. HOLLOW METAL MANUFACTURERS ASSOCIATION
- I. HMMA 840-TNOI, PAINTING HOLLOW METAL PRODUCTS
- I. SOCIETY FOR PROTECTIVE COATINGS (SSPC) SSPC PA-I, SHOP, FIELD AND MAINTENANCE PAINTING OF STEEL
- 2. PAINT SYSTEM GUIDE NO. 14, GUIDE FOR THE REPAIR OF IMPERFECTIONS INORGANIC ZINC-COATED STEEL USING ORGANIC ZINC-RICH COATING PAINTING AND DECORATING CONTRACTORS OF AMERICA (PDCA)
- PDCA STANDARD PI
- 2. PDCA STANDARD P4
- 3. PDCA STANDARD PI3

CEILING ASSEMBLIES

0902. EXAMINATION

0903. CODE COMPLIANCE

- 4. PDCA STANDARD PI5
- k. AMERICAN SOCIETY FOR TESTING MATERIALS
- ASTM A641, STANDARD SPECIFICATION FOR ZINC-COATED (GALVANIZED) 2. ASTM A653, STANDARD SPECIFICATION FOR STEEL SHEET, ZINC COATED
- ZINC IRON ALLOY COATED (GALVANNEALED) BY THE HOT DIP PROCESS 3. ASTM A666, STANDARD SPECIFICATION FOR ANNEALED OR COLD WORKE
- STAINLESS STEEL SHEET, STRIP, PLATE AND FLAT BAR 4. ASTM A780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCO
- HOT-DIP GALVANIZED COATINGS 5. ASTM CII, STANDARD TERMINOLOGY RELATING TO GYPSUM AND RELATED
- AND SYSTEMS 6. ASTM C475, STANDARD SPECIFICATION FOR JOINT COMPOUND AND JOINT
- GYPSUM BOARD 1. ASTM C553, STANDARD SPECIFICATION FOR MINERAL FIBER BLANKET TH FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS
- 8. ASTM C557, STANDARD SPECIFICATION FOR ADHESIVES FOR FASTENING TO WOOD FRAMING
- 9. ASTM C635, STANDARD SPECIFICATION FOR MANUFACTURE, PERFORMANC METAL SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANEL 10. ASTM C636. STANDARD SPECIFICATION FOR INSTALLATION OF METAL CE
- SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS II. ASTM C655, STANDARD SPECIFICATION FOR MINERAL-FIBER BLANKET TH
- FOR LIGHT FRAME CONSTRUCTION AND MANUFACTURED HOUSING 12. ASTM C840, STANDARD SPECIFICATION FOR APPLICATION AND FINISHING
- 13. ASTM COURS STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL 14. ASTM CIOO2, STANDARD SPECIFICATION FOR STEEL SELF-PIERCING TAPP THE APPLICATION OF GYPSUM PANEL PRODUCTS OR METAL PLASTER BAS

WORK INCLUDES NEW INTERIOR WALL AND PARTITION ASSEMBLIES.

PROVIDE ALL ACCESSORIES, TRIM AND JOINT FINISHING.

	PROVIDE SUBMITTALS IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS. a. GYPSUM BOARD ASSEMBLIES			um Board Assemblies Provide Gypsum Board Assemblies as shown on drawings and as noted herein, with	0906. N
	b. NON-STRUCTURAL METAL FRAMING c. PORCELAIN TILE			COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. INCLUDES FASTENERS AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED TO COMPLETE THE SYSTEMS.	
	d. ACOUSTICAL CEILINGS e. SUSPEND WOOD PANEL CEILING ASSEMBLY f. WOOD FLOORING	b.	1	MATERIAL: I. GYPSUM BOARD PANEL: U. L. LABELED, 48 IN. WIDE BY MAXIMUM LENGTH POSSIBLE; 5/8 INCH AND I/2 INCH THICKNESSES, IN COMPLIANCE WITH ASTM C840 AND ASTM CI396, TAPERED	Ł
	g. RESILIENT FLOORING h. RESILIENT BASE AND ACCESSORIES 1. PAINTING AND COATING			EDGES. a) INSTALL TYPE "FIRE-CODE" (X OR C) GYPSUM BOARD PANEL AS DESIGNATED 2. MOLD/MOISTURE-RESISTANT GYPSUM BOARD PANEL: U. L. LABELED, 48 IN. WIDE BY MAXIMUM	
ЭI.	REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION		•	LENGTH POSSIBLE, 5/8 INCH AND I/2 INCH THICKNESSES, IN COMPLIANCE WITH ASTM C840 AND ASTM C1396, TAPERED EDGES.)
	 a. GYPSUM ASSOCIATION (GA) I. GA-214, RECOMMENDED LEVELS OF FINISH FOR GYPSUM BOARD, GLASS MAT AND FIBER-REINFORCED GYPSUM PANELS 		į	a) INSTALL TYPE "FIRE-CODE" (X OR C) GYPSUM BOARD PANEL AS DESIGNATED. 3. SOUND DAMPENING GYPSUM BOARD: U. L. LABELED, 48 IN. WIDE BY MAXIMUM LENGTH BOSCIPIE F. (2) INCLUTING AND CONTRACT	,
	2. GA-216, APPLICATION AND FINISHING OF GYPSUM PANEL PRODUCTS 3. GA-222, REPAIRING SCREW AND NAIL POPS			POSSIBLE; 5/8 INCH THICKNESS, IN COMPLIANCE WITH ASTM C840, ASTM C1396, ASTM E90, ASTM E413, TAPERED EDGES. a) INSTALL SOUND DAMPENING TYPE "FIRE CODE" (X OR C) GYPSUM BOARD PANEL AS	c
	4. GA-801, HANDLING AND STORAGE OF GYPSUM PANEL PRODUCTS b. INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE (ICC/ANSI)			 4. EXTERIOR GYPSUM BOARD SHEATHING: U. L. LABELED, ASTM CIITT; GYPSUM, MOISTURE 	
	I. ICC/ANSI II7.I, GUIDELINES FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES c. TILE COUNCIL OF NORTH AMERICA (TCNA)			RESISTANT, CORE, FACED WITH EMBEDDED GLASS MAT; 5/8 INCH MINIMUM THICKNESS OR IN THICKNESS AS SPECIFIED ON DRAWINGS, SQUARE EDGE; SEAL ALL CUT EDGES; FINISH JOINTS	
	I. TCNA HANDBOOK FOR TILE INSTALLATION d. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) L. ANGLAIO 20 CAFE OPERATING PRACTICES FOR THE		1	AS SPECIFIED BY THE MANUFACTURER. REFER TO ARTICLE 0905. 5. CORNER BEAD, EDGE TRIM AND CONTROL JOINT, ASTM CI047: FORMED METAL OR METAL	
	 ANSI AIO.20, SAFE OPERATING PRACTICES FOR TILE ANSI AIO8.01, SUBSURFACES AND PREPARATIONS BY OTHER TRADES ANSI AIO8.02, MATERIALS, ENVIRONMENTAL AND WORKMANSHIP 			COMBINED WITH PAPER; ASTM A653 SHEET STEEL COATED WITH ZINC BY HOT DIP PROCESS OR ELECTROLYTIC PROCESS. 6. FASTENER FOR GYPSUM WALLBOARD: ASTM CLOO2; AS RECOMMENDED BY THE PANEL	
	 ANSI AIO8.IA, INSTALLATION OF CERAMIC TILE IN WET-SET METHOD WITH PORTLAND CEMENT MORTAR 			MANUFACTURER FOR THE APPLICATION INDICATED ON THE DRAWINGS. 1. JOINT TREATMENT: ASTM C475, UTILIZE JOINT TAPE AND READY-MIXED VINYL TAPE	
	 ANSI AIO8.6, INSTALLATION OF CERAMIC TILE WITH CHEMICAL RESISTANT, WATER-CLEANABLE TILE SETTING AND GROUT EPOXY 		ł	COMPOUND FOR TAPE BEDDING AND TOPPING. 8. GYPSUM BOARD STUD ADHESIVE: ASTM C475 AND MANUFACTURER'S RECOMMENDED	
	 ANSI AIO8.IO, INSTALLATION OF GROUT IN TILE WORK ANSI AII8.3, SPECIFICATION FOR CHEMICAL RESISTANT, WATER-CLEANABLE TILE SETTING AND CRAFT FROM 			ADHESIVE FOR USE WITH METAL/WOOD WALL/PARTITION/ROOF FRAMING, LOW VOC. 9. ACOUSTICAL SEALANT: U. L. LABELED, ASTM C834 AND AS RECOMMENDED BY GYPSUM	
	GROUT EPOXY 8. ANSI A137.1, SPECIFICATIONS FOR CERAMIC TILE e. CEILINGS AND INTERIOR SYSTEMS CONSTRUCTION ASSOCIATION (CISCA)			BOARD MANUFACTURER FOR SEALING SOUND RATED GYPSUM BOARD WALL, PARTITION, AND CEILING ASSEMBLIES, LOW VOC. MANUFACTURER, GYPSUM BOARD PANEL, GYPSUM BOARD SHEATHING AND ACCESSORIES: UNITED	
	 CISCA CEILING SYSTEMS HANDBOOK CISCA SEISMIC (ZONES 0-2) RECOMMENDATIONS FOR DIRECT-HUNG ACOUSTICAL TILE AND 		9	MANUFACTURER, GTP50M BOARD PANEL, GTP50M BOARD SHEATHING AND ACCESSORIES: UNITED STATES GYP50M, GEORGIA PACIFIC, GOLD BOND BUILDING PRODUCTS, PABCO GYP50M, SONORA. MANUFACTURER, FASTENER: GRABBER; HILTI	
	LAY-IN PANEL CEILINGS f. CODE OF FEDERAL REGULATIONS (CFR)	е.	ł	EACH TYPE OF PRODUCT SHALL BE FROM ONE SOURCE. NGTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS, DETAILS AND	
	I. 40 CFR 60, DETERMINATION OF VOLATILE MATTER CONTENT, WATER CONTENT, DENSITY, VOLUME SOLIDS AND WEIGHT SOLIDS OF SURFACE COATINGS			SPECIFICATIONS. I. GYPSUM BOARD INSTALLATION: CLEAN AND INSPECT SUBSTRATE SURFACES BEFORE	
	2. 40 CFR 59, NATIONAL VOLATILE ORGANIC COMPOUND EMISSION STANDARDS FOR ARCHITECTURAL COATINGS		•	INSTALLING GYPSUM BOARD. 2. COMPLY WITH GA 216 "RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING	
	g. MASTER PAINTER'S INSTITUTE (MPI) I. MPI ARCHITECTURAL PAINTING AND SPECIFICATION MANUAL h. HOLLOW METAL MANUFACTURERS ASSOCIATION		į	OF GYPSUM BOARD." 3. FURNISH A LEVEL 4 FINISH TO ALL SURFACES OF EXISTING AND NEWLY CREATED ROOMS/SPACES IN ACCORDANCE WITH ASTM C840 REQUIREMENTS.	
	I. HOLLOW METAL MANN ACTURERS ASSOCIATION I. HMMA 840-TNOI, PAINTING HOLLOW METAL PRODUCTS I. SOCIETY FOR PROTECTIVE COATINGS (SSPC)			 a) SINGLE-LAYER WALLS AND PARTITIONS: APPLY SHEETS VERTICALLY OR HORIZONTALLY. b) DOUBLE-LAYER WALLS AND PARTITIONS: APPLY BOTH LAYERS VERTICALLY WITH JOINTS 	
	 SSPC PA-I, SHOP, FIELD AND MAINTENANCE PAINTING OF STEEL PAINT SYSTEM GUIDE NO. 14, GUIDE FOR THE REPAIR OF IMPERFECTIONS IN GALVANIZED OR 			OF BASE LAYER OVER SUPPORTS/FRAMING AND JOINTS OF FACE LAYER OFFSET AT LEAST 10 INCHES WITH BASE LAYER JOINTS, MECHANICALLY FASTEN BASE LAYER,	
	INORGANIC ZINC-COATED STEEL USING ORGANIC ZINC-RICH COATING j. PAINTING AND DECORATING CONTRACTORS OF AMERICA (PDCA)		4	LAMINATE FACE LAYER TO BASE LAYER. ENSURE UNIFORM ADHESION. 4. FIRE-RESISTANT-RATED ASSEMBLIES: PROVIDE MATERIALS AND INSTALLATION IDENTICAL TO	1
	I. PDCA STANDARD PI 2. PDCA STANDARD P4			THE U. L. LABELED TESTED AND LISTED ASSEMBLIES DETAILED ON THE DRAWINGS. PROVIDE FRAMING ON BOTH SIDES OF JOINT AND BACK JOINT WITH 2 INCH WIDE GYPSUM BOARD	
	3. PDCA STANDARD P13 4. PDCA STANDARD P15 k. AMERICAN SOCIETY FOR TESTING MATERIALS		1	STRIPS. 5. INSTALL TRIMS AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FINISH AS RECOMMENDED.	
	 AMERICAN SOCIETT FOR TESTING PATERIALS I. ASTM A641, STANDARD SPECIFICATION FOR ZINC-COATED (GALVANIZED) CARBON STEEL WIRE 2. ASTM A653, STANDARD SPECIFICATION FOR STEEL SHEET, ZINC COATED (GALVANIZED) OR 		(6. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR MIXING, HANDLING, AND APPLICATION OF MATERIALS. DO NOT USE BEDDING COMPOUNDS FOR FINAL COAT OF JOINT TREATMENT	
	ZINC IRON ALLOY COATED (GALVANNEALED) BY THE HOT DIP PROCESS			UNLESS SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THAT USE.	
	STAINLESS STEEL SHEET, STRIP, PLATE AND FLAT BAR 4. ASTM A780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF		9	RIOR GYPSUM SHEATHING BOARD HEATHING BOARD	
	HOT-DIP GALVANIZED COATINGS 5. ASTM CII, STANDARD TERMINOLOGY RELATING TO GYPSUM AND RELATED BUILDING MATERIALS		١.	CHARACTERISTICS: a) SIZE: 1) "DENS-GLASS GOLD" SHEATHING OR OWNER APPROVED EQUAL: 5/8 INCH THICK BY 4'	e
	AND SYSTEMS 6. ASTM C475, STANDARD SPECIFICATION FOR JOINT COMPOUND AND JOINT TAPE FOR FINISHING GYPSUM BOARD		2	BY 8', 9' OR 10' BY 8', 9' OR 10'	
	 ASTM C553, STANDARD SPECIFICATION FOR MINERAL FIBER BLANKET THERMAL INSULATION FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS 		_	a) GYPSUM SHEATHING MANUFACTURED IN ACCORDANCE WITH ASTM CI177 WITH GLASS MATS BOTH SIDES AND LONG EDGES, WATER-RESISTANT TREATED CORE.	
	8. ASTM C557, STANDARD SPECIFICATION FOR ADHESIVES FOR FASTENING GYPSUM WALLBOARD TO WOOD FRAMING	b.		UILDING PAPER - MOISTURE BARRIER USE NO. 15, NON-PERFORATED, ASPHALT SATURATED FELT COMPLYING WITH ASTM D 226,	
	9. ASTM C635, STANDARD SPECIFICATION FOR MANUFACTURE, PERFORMANCE AND TESTING OF METAL SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS		2	TYPE I OR EQUAL FOR BUILDING PAPER BEHIND BRICK MASONRY. . AT EIFS FINISH SYSTEM: USE ONLY THE TYPE OF MOISTURE BARRIER AS APPROVED AND RECOMMENDED BY THE EIFS MANUFACTURER.	
	IO. ASTM C636, STANDARD SPECIFICATION FOR INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS II. ASTM C655, STANDARD SPECIFICATION FOR MINERAL-FIBER BLANKET THERMAL INSULATION	с.		CCESSORIES JOINT TAPE: 2" WIDE, IOXIO GLASS MESH TAPE.	
	FOR LIGHT FRAME CONSTRUCTION AND MANUFACTURED HOUSING 12. ASTM C840, STANDARD SPECIFICATION FOR APPLICATION AND FINISHING GYPSUM BOARD	d.	2	2. JOINT COMPOUND: G-P GYPSUM SETTING-TYPE JOINT COMPOUND. CREWS, METAL FRAMING:	
	13. ASTM C919, STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS 14. ASTM C1002, STANDARD SPECIFICATION FOR STEEL SELF-PIERCING TAPPING SCREWS FOR			TYPE S-12, BUGLE HEAD, SELF-TAPPING, RUST-RESISTANT, FINE THREAD FOR HEAVY-STEEL GAUGE (12 TO 22).	
	THE APPLICATION OF GYPSUM PANEL PRODUCTS OR METAL PLASTER BASES TO WOOD OR STEEL STUDS			. TYPE S, BUGLE HEAD, RUST-RESISTANT SHARP POINT, FINE THREAD FOR LIGHT-GAUGE METAL FRAMING OR FURRING.	0907. A
	15. ASTM CIO47, STANDARD SPECIFICATION FOR ACCESSORIES FOR GYPSUM WALLBOARD AND GYPSUM VENEER BASE 16. ASTM CI320, STANDARD PRACTICE FOR INSTALLATION MINERAL FIBER BATT AND BLANKET	в.		CREWS, METAL OR WOOD FRAMING: WAFER HEAD, RUST-RESISTANT, TYPE 5-12 DRILL OR HI-LO, MIN. I" LENGTH. OR TYPE W RUST-RESISTANT, BUGLE HEAD, COARSE THREAD, SHARP POINT FOR WOOD.	a
	THERMAL INSULATION FOR LIGHT FRAME CONSTRUCTION 17. ASTM C1396, STANDARD SPECIFICATION FOR GYPSUM BOARD	f.		ROVIDE DENS-GLASS GOLD SHEATHING WHERE INDICATED ON DRAWINGS. INSTALL SHEATHING N ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE INSTRUCTIONS IN GA-	
	18. ASTM D2047, STANDARD TEST METHOD FOR STATIC COEFFICIENT OF FRICTION OF POLISH-COATED FLOORING SURFACES AS MEASURED BY THE JAMES MACHINE		Ī.	53 AND ASTM CI280. INSTALL DENS-GLASS GOLD SHEATHING WITH GOLD SIDE OUT.	Ł
	19. ASTM D6386, STANDARD PRACTICE FOR PREPARATION OF ZINC (HOT DIP GALVANIZED) COATED IRON AND STEEL PRODUCT AND HARDWARE SURFACES FOR PAINTING		_	 USE MAXIMUM LENGTHS POSSIBLE TO MINIMIZE NUMBER OF JOINTS. METAL FRAMING: ATTACH DENS-GLASS GOLD SHEATHING TO METAL FRAMING WITH SCREWS SPACED 8" O.C. AT PERIMETER WHERE THERE ARE FRAMING SUPPORTS; AND 8" O.C. ALONG 	
	20.ASTM D'1073, STANDARD GUIDE FOR APPLICATION AND EVALUATION OF BRUSH AND ROLLER APPLIED PAINT FILMS 21. ASTM E84, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING		4	INTERMEDIATE FRAMING IN FIELD. . DRIVE FASTENERS TO BEAR TIGHT AGAINST AND FLUSH WITH SURFACE OF SHEATHING. DO	
	MATERIALS 22.ASTM E90, STANDARD TEST METHOD FOR LABORATORY MEASUREMENT OF AIRBORNE SOUND			NOT COUNTERSINK. . LOCATE FASTENERS MINIMUM 3/8 INCH FROM EDGES AND ENDS OF SHEATHING PANELS.	
	TRANSMISSION LOSS OF BUILDING PARTITIONS AND ELEMENTS 23. ASTM E413, CLASSIFICATION FOR RATING SOUND INSULATION	2	A	WILDING PAPER: INSTALL BUILDING PAPER - MOISTURE BARRIER OR EQUAL WITH FLASHING ROUND OPENINGS. INISHING:	
	24.ASTM E580, STANDARD PRACTICE FOR INSTALLATION OF CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS IN AREAS SUBJECT TO EARTHQUAKE GROUND MOTIONS 25.ASTM E648, STANDARD TEST METHOD FOR CRITICAL RADIANT FLUX OF FLOORCOVERING	n.		SEAL FASTENERS USING DOW CORNING 795 OR BORDEN HPPG ELMERS SILICONIZED ACRYLIC LATEX CAULK OR EQUIVALENT.	
	SYSTEMS USING A RADIANT ENERGY SOURCE 26.ASTM EII55, STANDARD TEST METHOD FOR DETERMINING FLOOR FLATNESS AND FLOOR		2	. FINISH JOINTS USING DOW CORNING 195 OR BORDEN HPPG ELMERS SILICONIZED ACRYLIC LATEX CAULK OR EQUIVALENT. REINFORCE WITH 2 INCHES WIDE 10 X 10 GLASS MESH QUICK	
	LEVELNESS 27. ASTM EI264, STANDARD CLASSIFICATION FOR ACOUSTICAL CEILING PRODUCTS	i.		TAPE OR EQUIVALENT. AUTION: THIS PRODUCT CONTAINS CONTINUOUS FILAMENT FIBERGLASS FIBER RELEASED DURING	С
	28.ASTM F710, STANDARD PRACTICE FOR PREPARING CONCRETE FLOORS TO RECEIVE RESILIENT FLOORING 29.ASTM F1861, STANDARD SPECIFICATION FOR RESILIENT WALL BASE		A١	ORMAL HANDLING OF THIS PRODUCT CAN CAUSE SKIN, EYE AND RESPIRATORY IRRITATION. VOID BREATHING DUST AND CONTACT WITH SKIN AND EYES. FOLLOW STANDARD WORK RACTICES AS RECOMMENDED BY THE SHEATHING MANUFACTURER.	Ċ
	EXAMINATION				e
	a. EXAMINE SUBSTRATES, SUPPORTING STRUCTURE AND INSTALLATION CONDITIONS. DO NOT PROCEED WITH ANY WORK OF THIS DIVISION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN				
	CORRECTED. b. INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITY FOR SATISFACTORY PERFORMANCE.				
	c. FIELD VERIFY MEASUREMENTS. I. DO NOT SCALE DRAWINGS OR CALCULATE SIZES, AREAS, LENGTHS, QUANTITIES, ETC. FROM				
~	DIMENSIONS SHOWN.				
	CODE COMPLIANCE a. GYPSUM BOARD SYSTEMS SHALL CONFORM TO REQUIREMENTS OF OBC CHAPTERS & AND 25. b. INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY, OBC TABLE & 03.11:				
	 INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS - EXCEPTION b: 				1
	 I) CLASS B: FLAME SPREAD INDEX 26-75; SMOKE DEVELOPMENT INDEX 0-450 b) CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS: 				
	 I) CLASS B: FLAME SPREAD INDEX 26-75; SMOKE DEVELOPMENT INDEX 0-450 c) ROOMS AND ENCLOSED SPACES 				
	I) CLASS C: FLAME SPREAD INDEX 16-200; SMOKE DEVELOPMENT INDEX 0-450 c. PROVIDE GYPSUM BOARD SYSTEMS AS SHOWN AND SPECIFIED.				

0906. NON-STRUCTURAL METAL FRAMING

- a. FURNISH NON-STRUCTURAL METAL FRAMING COMPONENTS FOR GYPSUM W ASSEMBLIES AS SHOWN AND SPECIFIED. WORK INCLUDES METAL FURRING CHANNELS, IF REQUIRED, FASTENERS AND ALL OTHER ITEMS AND INCIDEN COMPLETE THE SYSTEMS
- DESIGN REQUIREMENTS
- DESIGN STEEL IN ACCORDANCE WITH AMERICAN IRON AND STEEL INS "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTUR
- AS OTHERWISE SHOWN OR SPECIFIED. 2. DESIGN LOADS: AS INDICATED ON THE STRUCTURAL DRAWINGS. 5 ps
- LATERAL LOAD IS REQUIRED FOR INTERIOR WALLS IN ACCORDANCE 3. DESIGN FRAMING SYSTEMS TO WITHSTAND DESIGN LOADS WITHOUT D THAN THE FOLLOWING:
- a) INTERIOR NON-LOAD BEARING WALLS: LATERAL DEFLECTION OF MANUFACTURERS: CLARKWESTERN DIETRICH BUILDING SYSTEMS LLC, CEM CORP., WARE INDUSTRIES, INC., CRACO MANUFACTURING OR APPROVED EC d. COMPONENTS
- I. FRAMING MEMBERS, GENERAL
- a) STEEL SHEET COMPONENTS: COMPLY WITH ASTM C645 REQUIREM UNLESS OTHERWISE INDICATED.
- b) PROTECTIVE COATING: COMPLY WITH ASTM C645; ASTM A653 G EQUIVALENT CORROSION RESISTANCE OF ASTM A653 G40; ROLL MEETING MECHANICAL AND CHEMICAL REQUIREMENTS OF ASTM / BASED COATING. I) A40 GALVANNEALED PRODUCTS ARE NOT ACCEPTABLE.
- 2. STEEL STUDS AND RUNNERS
- a) NON-STRUCTURAL STUDS: COLD-FORMED GALVANIZED STEEL C-STUDS") AS PER ASTM C645.
- I) FLANGE SIZE: I-I/4 INCH.
- 2) WEB DEPTH: AS SPECIFIED ON DRAWINGS. 3) MEMBER DESCRIPTION: 20 GAUGE, 65 ksi, MINIMUM BASE-ST
- INCHES. MINIMUM DESIGN THICKNESS: 0.020 INCHES. b) NON-STRUCTURAL TRACK: COLD-FORMED GALVANIZED STEEL F
- ("DRYWALL TRACK") IN CONFORMANCE WITH ASTM C645. I) FLANGE SIZE: I-I/4 INCH.
- 2) WEB DEPTH: TRACK WEB TO MATCH STUD WEB SIZE. 3) MINIMUM BASE-STEEL THICKNESS: TRACK THICKNESS TO MA THICKNESS
- "Z" TYPE FURRING CHANNEL: COLD-FORMED GALVANIZED STEEL IN (AISI'S S220-15 NORTH AMERICAN SPECIFICATIONS FOR DESIGN OF C FRAMING - NON-STRUCTURAL MEMBERS:
- a) NON-STRUCTURAL "Z" FURRING: COLD-FORMED GALVANIZED STE FURRING") IN CONFORMANCE WITH ASTM C653. b) GRADE 33 KSI MINIMUM YIELD STRENGTH, 25 GAUGE, O.O188 INCH
- 0.0179 INCH MINIMUM THICKNESS. c) COATING: G40
- d) DIMENSIONS: LEG-I = 3/4 INCH; LEG-2 = I-I/4 INCHES; DEPTH = I-I
- 4. "U" CHANNEL: COLD FORMED GALVANIZED STEEL: a) GALVANIZED, 16 GAUGE, 0.0538 INCHES STEEL THICKNESS, 1 1/2 5. FLAT STRAP AND BACKING PLATE: SHEET FOR BLOCKING AND BRAN
- WIDTH INDICATED.
- a) MINIMUM BASE-STEEL THICKNESS: 0.0179 INCH. 6. RADIUS FRAMING: STEEL SHEET RUNNER FOR NON-LOAD-BEARING CU VARIABLE RADII AND ARCHES USING EXPANDABLE RIBBON TECHNOL a) MINIMUM BASE-STEEL THICKNESS: 0.0428 INCH.
- b) SIZE: 6 INCHES. FASTENERS: SELF-DRILLING, SELF-TAPPING SCREWS; STEEL, COMPLY GALVANIZED COATING, PLATED OR OIL-PHOSPHATE COATED COMPL
- AS NEEDED FOR REQUIRED CORROSION RESISTANCE. 8. TOUCH-UP PAINT: COMPLYING WITH ASTM A780 - STANDARD PRACT DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATIN
- CONTAINING 95-PERCENT METALLIC ZINC. e. INSTALL COLD-FORMED FRAMING IN ACCORDANCE WITH REQUIREMENTS C
 - FRAMING INSTALLATION: a) ERECT FRAMING AND PANELS PLUMB, LEVEL AND SQUARE IN STR APPROVED DRAWINGS.
 - b) ANCHOR RUNNER TRACK SECURELY TO THE SUPPORTING STRUCTU c) BUTT ALL TRACK JOINTS. SECURELY ANCHOR ABUTTING PIECES C STRUCTURAL ELEMENT, OR SPLICE THEM TOGETHER.
 - d) ALIGN AND PLUMB STUDS, AND SECURELY ATTACH TO THE FLANG UPPER AND LOWER TRACKS. e) ATTACH WALL STUD BRIDGING WHEN REQUIRED IN A MANNER TO
 - ROTATION. SPACE BRIDGING ROWS ACCORDING TO MANUFACTURI RECOMMENDATIONS.
 - F) PROVIDED TEMPORARY BRACING UNTIL ERECTION IS COMPLETED a) WHERE INDICATED IN THE DRAWINGS, PROVIDE FOR STRUCTURAL
 - USING MEANS IN ACCORDANCE WITH MANUFACTURER'S RECOMME
 - h) CUT ALL FRAMING COMPONENTS SQUARE FOR ATTACHMENT TO F MEMBERS OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABU PROTECT INSTALLED PRODUCTS UNTIL SUBSTANTIAL COMPLETION
- ACOUSTICAL CEILINGS a. FURNISH NEW SUSPENSION SYSTEM (GRID), ACOUSTIC PANELS AND NECESS WHERE INDICATED THAT RESEMBLE THE EXISTING FINISHED CEILING ASSEN THE BUILDING
- . THE REUSE OF UNDAMAGED AND UNSOILED SUSPENSION SYSTEM COMF ACOUSTICAL PANELS IS ACCEPTABLE.
- COMPONENTS GRID: DOUBLE WEB MAIN AND CROSS RUNNERS WITH FACTORY FINISH NOMINAL 1-1/2 INCHES DEEP; STRUCTURAL CLASSIFICATION IN ACCORD
- a) MATCH EXISTING IN EVERY RESPECT. 2. MANUFACTURER: ARMSTRONG "PRELUDE" OR EQUAL
- 3. HANGER WIRE: SOFT TEMPERED; CLASS I ZINC COATING; SIZED SO TI
- TIMES THE HANGER DESIGN LOAD, PER ASTM C641, TABLE I, DIRECT THAN THE YIELD STRESS OF THE WIRE. MINIMUM O.106 INCH DIAMETE 4. ACOUSTIC TILE: SQUARE EDGE, MEDIUM TEXTURE, 24 IN. x 48 IN. x 5/
- 40, LIGHT REFLECTANCE COEFFICIENT 0.80; CLASS A ASTM E84, CA FI264.
- I. MATCH EXISTING IN EVERY RESPECT.
- 5. MANUFACTURER: ARMSTRONG "CORTEGA" SQUARE LAY-IN OR EQUAL 6. HOLD-DOWN CLIP: PROVIDE AT CEILING SYSTEM IN VESTIBULES, IF S
- FIVE FEET OF EXTERIOR DOORS. TOUCH-UP PAINT: SUPPLIED BY THE MANUFACTURER OF THE GRID SYS WITH EXCEPTION OF HANGER WIRES, THE ENTIRE SYSTEM SHALL BE FROM
- SINGLE MANUFACTURER. MEASURE EACH CEILING AREA AND ESTABLISH A LAYOUT OF ACOUSTICA
- BALANCES BORDER WIDTHS AT OPPOSITE EDGES OF THE CEILING. AVOID THAN HALF WIDTH PANELS AT BORDERS.
- e. INSTALLATION INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED DETAILS AND SPECIFICATIONS, ASTM C636, ASTM E580 (FOR SEISMIC "CEILING SYSTEMS HANDBOOK" AND CISCA'S "RECOMMENDATIONS FO
- ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS" FOR SEISMIC ZONES 2. PROVIDE QUANTITY OF HANGER WIRE REQUIRED BY OBC SECTION 8 MANUFACTURER, AND THE ELECTRICAL CONTRACTOR FOR LIGHT FIX a) THE USE OF POP RIVETS AT WALL MOLDING IS PROHIBITED.
- 3. INSTALL ACOUSTICAL PANELS WITH UNDAMAGED EDGES AND FITTED SUSPENSION SYSTEM RUNNERS AND EDGE MOLDINGS. SCRIBE AND CU AND PENETRATIONS TO PROVIDE A NEAT, PRECISE FIT.
- 4. FOR SQUARE-EDGE PANELS, INSTALL PANELS WITH EDGE FULLY HIDDEN FROM VIEW BY FLANGES OF SUSPENSION SYSTEM RUNNERS AND MOLDINGS.
- CONTRACTOR TO FURNISH ONE FULL BOX OF ACOUSTICAL PANELS FOR OWNERS "ATTIC" STOCK.

PATCHING AND FINISHING OF EXISTING GYPSUM BOARD WALLS, PARTITIONS, AND CEILINGS.

	0108	DEC	
VALLBOARD COVERED IG AND RESILIENT NTALS AS REQUIRED TO	0406.		SILIENT FLOORING PROVIDE NON-SLIP TYPE VINYL COMPOSITION TILE (VCT) AND THE LUXURY VINYL TILE (LVT) FLOORING AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. INCLUDES TESTING AND PREPARING NEW AND EXISTING CONCRETE FLOORS FOR ACCEPTANCE OF MATERIALS, TRANSITIONS, ADHESIVES AND ALL OTHER ITEMS AND INCIDENTALS REQUIRED FOR A COMPLETE SYSTEM.
Stitute publication IRAL Members", except			MANUFACTURERS: MANNINGTON RESILIENT FLOORS, ARMSTRONG WORLD INDUSTRIES, AZROCK FLOOR PRODUCTS, TARKETT INC. OR APPROVED EQUAL.
DSF MINIMUM DESIGN E WITH OBC CHAPTER 16. DEFLECTIONS GREATER		с.	 PRODUCTS - GENERAL I. FURNISH PRODUCT TYPE, MATERIALS OF THE SAME PRODUCTION RUN AND MEETING FOLLOWING CRITERIA. 2. USE ADHESIVES. UNDERLAYMENT, PRIMERS AND POLISH RECOMMENDED BY THE FLOOR
DF: L/120. MCO STEEL, SCAFCO EQUAL.		d.	RESILIENT MATERIAL MANUFACTURER. 3. CRITICAL RADIANT FLUX: 0.45 WATTS PER sq. cm. OR MORE, CLASS I, PER ASTM E648. 4. SMOKE DENSITY: LESS THAN 450 PER ASTM E662. VINYL COMPOSITION TILE (VCT):
MENTS FOR METAL			 ASTM FI066, COMPOSITION I, CLASS I (SOLID COLOR) OR CLASS 2 (THROUGH PATTERN). SIZE 12 INCHES BY 12 INCHES BY 1/8 INCH THICK. a) REFER TO THE ROOM FINISH SCHEDULE FOR BLENDING REQUIREMENTS, IF ANY. COLOR AND PATTERN UNIFORMLY DISTRIBUTED THROUGHOUT THICKNESS.
640, Coating With L-Formed From Steel A1003 With A Zinc-		е.	 UXURY VINYL TILE (LVT): USE ONLY MANNINGTON RESILIENT FLOOR PRODUCTS FOR LVT TO MATCH EXISTING. SLIP RETARDANT, 18 INCHES BY 18 INCHES BY 0.125 INCH (OVERALL) THICK, HOMOGENOUS THROUGHOUT.
S-STUDS ("DRYWALL			 a) ASTM FI700, TYPE B, CLASS 3. b) WEAR LAYER THICKNESS: 0.020 INCH c) WEIGHT PER TILE: 2.4 lbs. d) PASS ASTM FI514 FOR HEAT STABILITY
TEEL THICKNESS: 0.019			 e) PASS ASTM F925 FOR STAIN AND CHEMICAL STABILITY f) COEFFICIENT OF FRICTION: 0.80 (EXCEED ICC/ANSI AII7.I GUIDELINES. q) COEFFICIENT OF FRICTION, DIN 51130: RIO
RUNNER TRACKS			y) ELECTRICAL RESISTANCE, EN1015: ≤ 2 kv 1) FIRE BEHAVIOR, ISO 13501: CLASS B s1 j) LIMITED 10 YEAR COMMERCIAL WARRANTY k) LIMITED 10 YEAR FINISH WARRANTY
ATCH WALL STUD		f.	3. COLOR AND PATTERN UNIFORMLY DISTRIBUTED THROUGHOUT THICKNESS. ADHESIVES: COMPLY WITH APPLICABLE REGULATIONS REGARDING TOXIC AND HAZARDOUS
CONFORMANCE WITH COLD-FORMED STEEL			MATERIALS GREEN SEAL (GS-36) FOR COMMERCIAL ADHESIVE. I. USE TYPE AS RECOMMENDED BY VCT MANUFACTURER. 2. USE LOW-VOC DURING INSTALLATION.
EEL FURRING ("DRYWALL		g.	2. USE LONFYCE DURING INSTALLATION. PRIMER (FOR CONCRETE SUB-FLOORS): TYPE AS RECOMMENDED BY THE ADHESIVE AND TILE MANUFACTURERS.
H DESIGN THICKNESS,		h.	PATCHING AND LEVELING COMPOUNDS (FOR CONCRETE SUB-FLOORS) I. PROVIDE CEMENTITIOUS PRODUCTS WITH LATEX OR POLYVINYL ACETATE RESINS IN THE MIX.
-1/2 INCHES.		ı	 DETERMINE THE TYPE OF PATCHING AND LEVELING COMPOUND SELECTED FOR USE BY THE CONDITION BEING CORRECTED. POLISH AND CLEANERS
2 INCHES SIZE. ACING IN LENGTH AND		1.	I. CLEANERS: RFCI CL-I. 2. POLISH: ASTM D4078.
URVES, BENDS,		j.	
LOGY.			CITERNISE. FASTENERS: STAINLESS STEEL FLAT HEAD SCREWS. COLOR, STYLE, AND BLENDING REQUIREMENTS AS SELECTED BY OWNER OR OWNER'S
ying with Astm C 1513; Lying with Astm B 633		m.	REPRESENTATIVE. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS, DETAILS AND SPECIFICATIONS, ASTM F710 AND RFCI-IP NO. 2. FURNISH TRANSITION WHERE INDICATED AND
FICE FOR REPAIR OF NGS. ZINC RICH,		n.	IF NOT INDICATED WHERE DISSIMILAR MATERIALS MEET. MEASURE EACH ROOM AREA AND ESTABLISH A LAYOUT OF TILES THAT BALANCES BORDER WIDTHS AT OPPOSITE EDGES OF THE ROOM. NO TILE SHALL BE LESS THAN 6 INCHES WIDTH.
<i>o</i> f Astm C754.			 MIX TILE FROM AT LEAST TWO CONTAINERS. IF LAYOUT IS NOT SHOWN ON DRAWINGS, LAY TILE SYMMETRICALLY ABOUT CENTER OF
RICT ACCORDANCE WITH		о.	ROOM OR SPACE WITH JOINTS ALIGNED. APPLY ADHESIVES UNIFORMLY WITH NO BARE SPOTS. I. CONFORM TO RECI-TM-6 FOR JOINT TIGHTNESS AND CORNER INTERSECTIONS.
URE. OF TRACK TO A COMMON		р. q.	KEEP TRAFFIC OFF RESILIENT MATERIAL FOR A MINIMUM 12 HOURS AFTER INSTALLATION. PROTECT RESILIENT MATERIAL UNTIL SUBSTANTIAL COMPLETION OF THE PROJECT.
GES OR WEBS OF BOTH	0909.	RES a.	ILIENT BASE AND ACCESSORIES PROVIDE RESILIENT ITEMS AS INDICATED ON THE DRAWINGS. WORK INCLUDES PREPARING
PREVENT STUD VER'S			SUBSTRATE, ADHESIVES AND ALL OTHER ITEMS AND INCIDENTALS REQUIRED FOR A COMPLETE INSTALLATION. FIRE-TEST-RESPONSE CHARACTERISTICS: AS DETERMINED BY TESTING IDENTICAL PRODUCTS
ED. L VERTICAL MOVEMENT ENDATIONS.		6	ACCORDING TO ASTM E648 OR NFPA 253 BY A QUALIFIED TESTING AGENCY. I. CRITICAL RADIANT FLUX CLASSIFICATION: CLASS I, NOT LESS THAN 0.45 W/sq. cm. MANUFACTURERS: MANNINGTON COMMERCIAL, ALLSTATE RUBBER CORP., ARMSTRONG WORLD
PERPENDICULAR UTTING MEMBERS. IN OF THE PROJECT.			INDUSTRIES, INC., BURKE INDUSTRIES, INC., JOHNSONITE, ROPPE CORP., OR EQUAL. RESILIENT WALL BASE I. ASTM F1861
			2. MATERIAL REQUIREMENTS: TYPE TS (RUBBER, VULCANIZED THERMOSET) OR TYPE TP (RUBBER, THERMOPLASTIC)
SARY COMPONENTS MBLIES THROUGHOUT			 MANUFACTURING METHOD: GROUP I (SOLID, HOMOGENEOUS) STYLE: a) BASE TYPE I: COVE (BASE WITH TOE)
IPONENTS AND			 a) DASE TYPE 1: COVE (DASE WITH TOE) b) BASE TYPE 2: STRAIGHT (FLAT OR TOELESS) c) REFER TO DRAWINGS FOR LOCATIONS 5. MINIMUM THICKNESS: 0.125 INCH
HED STEEL CAP; DANCE WITH ASTM C635.			 6. HEIGHT: a) 6 INCHES FOR TOILET ROOMS, WASHROOMS, SHOWER ROOMS, ETC. b) 4 INCHES REMAINING ROOMS/SPACES.
THAT STRESS AT THREE HUNG, WILL BE LESS			LENGTHS: COILS IN MANUFACTURER'S STANDARD LENGTH CORNERS: I. OUTSIDE: JOB FORMED
ER (12 GAUGE). /8 IN. TH., NRC 0.55 CAC :0MPLYING WITH ASTM			2. INSIDE: JOB FORMED FINISH: SATIN COLORS AND PATTERNS: AS SELECTED BY OWNER OR OWNER'S REPRESENTATIVE FROM FULL RANGE OF INDUSTRY STANDARD COLORS.
L. SPECIFIED, AND WITHIN		I.	ACCESSORIES: I. PROVIDE ACCESSORIES IN PROPER THICKNESS TO ACCOMMODATE ADJACENT FLOORING
STEM AND PANELS. I ONE SOURCE, FROM A			MATERIALS. a) CARPET REDUCER STRIP b) RESILIENT FLOORING REDUCER STRIP c) TRANSITION STRIP, RESILIENT TO CARPET
nl panels that Id the use of less		j.	 d) TRANSITION STRIP, CARPET TO CERAMIC e) TRANSITION STRIP, RESILIENT TO CERAMIC PREPARE SUBSTRATE IN ACCORDANCE WITH BASE MANUFACTURERS PRINTED INSTRUCTIONS TO
ED INSTRUCTIONS, IC RESTRAINT), CISCA'S OR DIRECT-HUNG		k.	ACHIEVE A SMOOTH, LEVEL SURFACE. WORK INCLUDES, BUT NECESSARILY LIMITED TO, PREPARING WALLS, ADHESIVES AND ALL OTHER ITEMS AND INCIDENTALS REQUIRED FOR A COMPLETE INSTALLATION. INSTALL RESILIENT BASE IN ACCORDANCE WITH MANUFACTURER PRINTED INSTRUCTIONS AND
5 0-2. 808, THE CEILING IXTURES.			INDUSTRY STANDARDS. I. INSTALL ALL REQUIRED ACCESSORIES FOLLOWING MANUFACTURER'S PRINTED INSTRUCTIONS. ALL PRODUCTS SHALL BE FROM THE SAME SOURCE, FROM A SINGLE MANUFACTURER. PROTECT BASE TO PREVENT SOILING AND DAMAGE AFTER INSTALLATION UNTIL SUBSTANTIAL
D ACCURATELY INTO FUT PANELS AT BORDERS		111.	COMPLETION.
DEN FROM VIEW BY			

 \mathbf{m} $\boldsymbol{\mathcal{O}}$ DI th for rù € Building Z ME Ce \mathbf{O} laintenand DEVEL(\geq ĹŢ \bigcirc M \mathbf{O} RD β and BO/ ions Alterati \mathbf{D} \bigcirc acility LD FIE Ce IR S \bigcirc ĹŢ 426 EAST MAIN STREET LANCASTER. OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the properts of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect COMMISSION No. P2118 ISSUE MARK DATE PROGRESS | FINAL | 01/27/2023 02/15/2023 BIDDING

DRAWN BY: AB, nip

NICHOLAS

PALLADINO

SRED AY

Nicholas J. Palladino

License No. 12669

Expiration Date: December 31, 2023

GENERAL NOTES

DIVISION 08

THROUGH

DIVISION 09

DRAWING NUMBER

DIVISION 09 - FINISHES, CONTINUED

0910. CARPET

- a. PROVIDE THE SHEET CARPET, CARPET TILE, EDGE STRIPS, ADHESIVES, TAPES ACCESSORIES AND OTHER ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
- I. CARPET MUST CONFORM TO THE REQUIREMENTS OF OBC CHAPTERS IO AND II, AND ICC/ANSI AII7.I STANDARDS.
- 2. CARPET IN CORRIDORS, VERTICAL EXITS AND PASSAGEWAYS SHALL BE CLASSIFIED IN
- ACCORDANCE WITH ASTM E648 AND ASTM E662 TESTING REQUIREMENTS. 3. COMPLY WITH THE APPLICABLE PROVISIONS AND RECOMMENDATIONS OF THE FOLLOWING
- STANDARDS: a) THE CARPET AND RUG INSTITUTE (CRI): CRI 104 "CARPET INSTALLATION STANDARDS
- FOR COMMERCIAL CARPET" b. CERTIFY AND LABEL THE CARPET THAT IT HAS BEEN TESTED AND MEETS CRITERIA OF CRI IAQ
- CARPET TESTING. c. CARPET SURFACE BURNING CHARACTERISTICS: PROVIDE CARPET IDENTICAL TO THAT TESTED FOR THE FOLLOWING FIRE PERFORMANCE CHARACTERISTICS, PER TEST METHOD INDICATED BELOW, BY U.L. OR OTHER TESTING AND INSPECTING ORGANIZATIONS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. IDENTIFY CARPET WITH APPROPRIATE MARKINGS OF
- APPLICABLE TESTING AND INSPECTING ORGANIZATION. I. TEST METHOD: DOC FF I TO "PILL TEST."
- 2. RATING: PASS
- d. CARPET MATERIALS TO ESTABLISH STANDARDS OF MANUFACTURER, OPERATION, PERFORMANCE AND MATCHING EXISTING APPEARANCE, DRAWINGS AND THESE GENERAL NOTES ARE BASED ON THE SPECIFIC MANUFACTURER'S PRODUCTS INDICATED. IF ACCEPTED IN ADVANCE BY THE OWNER OR OWNER'S REPRESENTATIVE, AND PROVIDE COMPLIANCE WITH REQUIREMENTS,
 - PRODUCTS OF MANUFACTURERS MAY ALSO BE ACCEPTABLE. a) PROVIDE THE FOLLOWING CARPETING MATERIALS AND ACCESSORIES AT LOCATIONS
 - INDICATED ON THE DRAWINGS: I) BROADLOOM CARPET: J + J INDUSTRIES: INVISION
 - 2) MODULAR CARPET TILE: J + J INDUSTRIES: INVISION
- 2. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, ACCEPTABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED IN THE WORK INCLUDE:
- a) LEES COMMERCIAL
- b) MILLIKEN GROUP c) MANNINGTON MILLS
- d) PATCRAFT
- e) MOHAWK CARPET
- e. ACCESSORIES
 - FURNISH THE NECESSARY ACCESSORY PRODUCTS, SUCH AS SEAMING CEMENT, SEAMING TAPE, TACKLESS CARPET STRIPPING, CARPET ADHESIVE, TROWELABLE UNDERLAYMENT AND PATCHING COMPOUNDS AND EDGE STRIPS (MOLDINGS), RECOMMENDED BY THE CARPET MANUFACTURER TO COMPLETE THE WORK.
- SUBMIT A SPECIAL CARPET WARRANTY EXECUTED BY THE CARPET MANUFACTURER AND CARPET INSTALLER AGREEING TO REPAIR AND REPLACE CARPET THAT DOES NOT MEET REQUIREMENTS OR THAT FAILS IN MATERIALS OR WORKMANSHIP WITHIN THE SPECIFIED WARRANTY
- PERIOD I. WARRANTY PERIOD: FIVE (5) YEARS FROM DATE OF SUBSTANTIAL COMPLETION. q. PREPARATION
- I. CLEAR AWAY DEBRIS AND SCRAPE UP CEMENTITIOUS DEPOSITS FROM CONCRETE SURFACES TO RECEIVE CARPET.
- 2. PATCH HOLES, CRACKS AND LEVEL TO A SMOOTH SURFACE. h. INSTALLATION
- COORDINATE INSTALLATION OF CARPET SO AS NOT TO DELAY THE OCCUPANCY OF THE SITE OR INTERFERE WITH THE COMPLETION OF THE WORK. 2. APPLY ADHESIVES UNIFORMLY TO SUBSTRATE IN ACCORDANCE WITH CARPET AND
- ADHESIVE MANUFACTURER'S PRINTED DIRECTIONS. a) DIRECT GLUE-DOWN INSTALLATION: COMPLY WITH CRI 104, SECTION 8, "DIRECT
- GLUE-DOWN" 3. INSTALL CARPET MATERIALS AND ACCESSORIES TO COMPLY WITH THE MANUFACTURER'S
- PRINTED INSTRUCTIONS AND SPECIFIED INDUSTRY STANDARDS. 4. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR SEAM LOCATIONS AND DIRECTION
- OF CARPET a) PROVIDE "CARPET SEAMS LOCATION DRAWING" AS A PART OF THE SHOP DRAWING
- SUBMITTAL PACKAGE FOR REVIEW. . CLEAN, AND REMOVE ADHESIVES, STAINS AND SOIL SPOTS IN ACCORDANCE WITH
- MANUFACTURER'S PRINTED INSTRUCTIONS AND RECOMMENDATIONS.
- PROTECT CARPETING AGAINST OF EVERY KIND AS DAMAGED CARPETING SHALL BE REJECTED. USE NON-STAINING COVER MATERIAL, WITH TAPED JOINTS, FOR PROTECTION. I. PLASTIC AND POLYETHYLENE SHEET PROTECTIVE COVERINGS SHALL NOT BE PERMITTED.

- OPIL PAINTING AND COATINGS a. GENERAL
 - I. FURNISH ALL LABOR, TOOLS, PAINT EQUIPMENT, SCAFFOLDS AND C MATERIALS, INCLUDING, BUT NOT LIMITED TO SEALERS, PRIMERS, S ENAMELS AND SPECIAL COATINGS IN ORDER TO COMPLETE ALL F WORK AS INDICATED ON THE DRAWINGS AND AS SPECIFIED.
 - PREPARE SURFACES, COAT WITH PRIME, INTERMEDIATE AND FINISH AND EXTERIOR SCHEDULED SURFACES AND ITEMS.
 - 3. FINISH PAINT ALL SHOP PRIMED STRUCTURAL STEEL, METAL FABRIC DOORS AND FRAMES
 - 4. TOUCH UP ALL PAINTED AND COATED ITEMS AND MATERIALS WHEN
 - CONSTRUCTION AFTER INITIAL PAINTING HAS BEEN PERFORMED. 5. SINGLE SOURCE RESPONSIBILITY: PROVIDE PRIMERS AND UNDERCO
 - THE SAME MANUFACTURER AS THE FINISH COATS. a) ALL PRIMERS, UNDERCOAT AND FINISH COATS TO BE LEAD FR LOWEST POSSIBLE VOC.
 - b) ALL FINISH COATS SHALL BE MOLD AND MILDEW RESISTANT. 6. PERFORM NO PAINTING OR STAINING WORK UNTIL ALL CONSTRUCT OR CAUSING MOISTURE, DUST OR AIRBORNE DEBRIS IN ADJACENT
 - COMPLETED, AND THE MOISTURE, DUST AND DEBRIS INVOLVED HA PROVIDE HEAT AND VENTILATION AS REQUIRED TO MAINTAIN INTER BETWEEN 55 AND 90 DEGREES F., AND TO MAINTAIN INTERIOR HUM 20% AND 40%. AFTER PAINTING, CONTRACTOR IS TO MAINTAIN TH FOR THE DURATION OF THE PROJECT.
 - a) MAINTAIN MANUFACTURER'S SPECIFIED MINIMUM VENTILATION F INTERIOR APPLICATIONS OF THE SPECIFIC COATING BEING API
 - 8. PERFORM SURFACE PREPARATION AND CLEANING PROCEDURES IN WITH MANUFACTURER'S PRINTED DIRECTIONS AND SPECIFICATIONS.
 - 9. PERFORM ALL APPLICATION WORK WITH MINIMUM 15 FOOTCANDLE SURFACE BEING COATED.
 - 10. PROTECT FINISHED SURFACES FROM DAMAGE UNTIL FINAL ACCEPT BY THE OWNER.
 - II. AT EXTERIOR FIBER-CEMENT WOOD SIDING AND TRIMS: USE ONLY SPECIFIED PRODUCTS FOR END-CUT SEALING AND TOUCH-UP.
 - 12. MIX, PREPARE AND APPLY PAINT AND FINISH TREATMENT IN STRIC
 - MANUFACTURER'S PRINTED INSTRUCTIONS, DETAILS AND SPECIFICA b. MANUFACTURERS: PAINTS, STAINS AND FINISHES BY SHERWIN WILLIAMS PRODUCTS BY BENJAMIN MOORE & CO., IMPERIAL CHEMICAL INDUSTRIES
 - CO., PRATT & LAMBERT INC., PORTER PAINTS, VALSPAR, PPG COATINGS A MANUFACTURER AS SELECTED BY THE OWNER.
 - c. EXTERIOR PAINTING, SHERWIN-WILLIAMS (SW) PRODUCTS LISTED: I. SURFACES NOT TO BE PAINTED
 - a) ITEMS NOT SCHEDULED TO BE PAINTED
 - b) BRICK MASONRY VENEER
 - c) PREFINISHED METALS AND COMPONENTS
 - d) ITEMS WITH FACTORY APPLIED FINISH COATING, EXCEPT AS SP
 - NOTED 2. PAINTED MASONRY, CONCRETE AND STUCCO
 - a) BLOCK FILL COAT: SW LOXON BLOCK SURFACER
 - b) FINISH COATS: SW LOXON XP OPAQUE WATERPROOFING SYSTEM OVER BLOCK FILL 3. PAINTED FERROUS METAL - FULL GLOSS ALKYD ENAMEL, 2 FINISH
 - COAT OVER SHOP PRIME a) PRIME COAT: SW KEM KROMIK METAL PRIMER B50N2
 - b) FINISH COATS: SW INDUSTRIAL ENAMEL B54 SERIES 4. PAINTED ZINC-COATED METAL WITH HIGH GLOSS ALKYD ENAMEL, PRIME COAT.
 - a) PRIME COAT: SW GALVITE B50
 - b) FINISH COATS: SW METALATEX II ENAMEL B53 SERIES. 5. PAINTED WOOD WITH SEMI-GLOSS LATEX COATING, 2 FINISH COATS TOTAL DRY FILM THICKNESS NOT LESS THAN 3.4 MILLS.
 - a) UNDERCOAT: SW EXTERIOR LATEX WOOD PRIMER B42W b) FINISH COATS: SW A-100 EXTERIOR ACRYLIC LATEX
 - d. INTERIOR PAINTING, SHERWIN-WILLIAMS (SW) PRODUCTS LISTED
 - I. SURFACES NOT TO BE PAINTED:
 - a) ITEMS NOT SCHEDULED TO BE PAINTED b) PREFINISHED FLOORS, WALLS AND CEILING COVERINGS
 - c) PREFINISHED METALS AND ACCESSORIES
 - d) GYPSUM BOARD CEILINGS ABOVE SUSPENDED ACOUSTICAL CE ATTIC SPACE DESIGNED AS DRAFT-STOPPING, UNLESS OTHERW
 - e) ITEMS WITH FACTORY APPLIED FINISH COATING, EXCEPT AS SP
 - NOTED. PAINTED GYPSUM WALLBOARD WITH FLAT LATEX FINISH: 2 FINISH
 - COAT a) PRIME COAT: SW PRO-MAR 200 LATEX WALL PRIMER
 - b) FINISH COATS: SW PRO-MAR 200 LATEX FLAT c) PROVIDE ONLY ONE FINISH COAT OVER PRIMER IN CLOSETS
 - PAINTED GYPSUM WALLBOARD WITH LOW GLOSS ENAMEL FINISH: 2 PRIME COAT WITH TOTAL DRY FILM THICKNESS NOT LESS THEN 2.5 a) TYPICALLY IN ALL RESTROOMS, VESTIBULES AND KITCHEN; EL ROOM FINISH SCHEDULE. PRIOR TO APPLICATION, VERIFY WI
 - ADDITIONAL AREAS.
 - b) PRIME COAT: SW PRO-MAR 200 LATEX WALL PRIMER c) FINISH COATS: SW PR-MAR 200 ALKYD LOW GLOSS ENAMEL
 - 4. PAINTED FERROUS METAL WITH SEMI-GLOSS ENAMEL FINISH: 2 FINIS WITH TOTAL DRY FILM THICKNESS NOT LESS THAN 3.4 MILS. a) PRIME COAT: SW KERN KROMIK METAL PRIMER B50N2
 - b) FINISH COATS: SW PRO-MAR 200 ALKYD SEMI-GLOSS 5. PAINTED ZINC-COATED METAL: 2 FINISH COATS OVER PRIME COAT
 - a) PRIME COAT: SW GALVITE B50W3 b) FINISH COATS: SW PRO-MAR 200 ALKYD SEMI-GLOSS.
 - 6. PAINTED WOOD WITH SEMI GLOSS ENAMEL FINISH: 2 FINISH COATS (TOTAL DRY FILM THICKNESS NOT LESS THAN 3.4 MILLS. a) UNDERCOAT: SW PRO-MAR 200 ALKYD ENAMEL UNDERCOATE
 - b) FINISH COATS: SW PRO-MAR 200 ALKYD SEMI-GLOSS 7. STAINED AND VARNISHED WOOD: NOT LESS THAN 2.0 MILS DRY F COATING.
 - a) ONE COAT SW WOOD STAIN MINWAX INTERIOR STAIN b) TWO COATS SW MINWAX SELF SEALING SATIN POLYURETHANE.
 - c) BETWEEN POLYURETHANE COATS, LIGHTLY SAND SMOOTH WITH SANDPAPER, WIPE CLEAN.
 - PAINTED MASONRY, CONCRETE, CEMENT PLASTER AND STUCCO a) BLOCK FILL COAT: SW LOXON BLOCK SURFACER
 - b) FINISH COATS: SW LOXON XP OPAQUE WATERPROOFING SYSTEM, 2 FINISH COATS OVER BLOCK FILL

	1000.	DIVISION 10 - SPECIALTIES PROVIDE SUBMITTAL IN ACCORDANCE WITH DIVISION OI - GENERAL CONDITIONS.	1004.	BUL	LET RESISTANT PANELS
		a. INTERIOR SIGNAGE			PROVIDE THE BULLET RESISTANT PANELS, CONCEALED BEHIND GYPSUM BOARD, WHERE
COATING SYSTEM , STAINS, FILLERS, EMULSIONS,		b. EXTERIOR SIGNAGE c. TOILET ACCESSORIES		b.	INDICATED AND SPECIFIED HEREIN. REFERENCES
PAINTING AND COATING		d. FIRE EXTINGUISHER CABINETS AND FIRE EXTINGUISHERS e. METAL LOCKERS			I. NATIONAL INSTITUTE OF JUSTICE BALLISTIC STANDARDS: a) NIJ STANDARD OLOB.OI- TYPE ILA
ISH COATINGS FOR INTERIOR		f. BULLET RESISTANT PANELS g. SHELVING AND ACCESSORIES			2. UNDERWRITERS LABORATORIES: a) UL 752 SPECIFICATIONS AND AMMUNITION, 11TH EDITION, STANDARD FOR BULLET
BRICATIONS AND STEEL		h. FLAG POLE			RESISTING EQUIPMENT - LEVEL 2 3. THE UNITED STATES DEPARTMENT OF STATE:
HERE MARRED BY	1001.	SIGNAGE a. PROVIDE ARCHITECTURAL INTERIOR SIGNAGE OF TYPE, SIZE, AND DESIGN AS SHOWN ON THE		r	a) THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR) MANUFACTURER
RCOAT PAINT PRODUCED BY FREE AND HAVE THE		DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR COMPLETE INSTALLATION. I. SIGNAGE SHALL MEET REQUIREMENTS OF THE OBC, ICC/ANSI AII7.I, AND THE OWNER. 2. REFERENCE DRAWING SHEET HCIOO FOR SPECIFIC ACCESSIBILITY REQUIREMENTS. TACTUSE AND DRAWING SHEET HCIOO FOR SPECIFIC ACCESSIBILITY REQUIREMENTS.			I. DESIGN BASIS: ARMORCORE BY WACO COMPOSITES, EQUAL BY TOTAL SECURITY SOL COVENANT SECURITY EQUIPMENT OR APPROVED EQUAL. PERFORMANCE CRITERIA
T. CTION ACTIVITIES INVOLVING NT AREAS HAVE BEEN		 b. TACTILE AND BRAILLE CHARACTERS, RAISED MINIMUM 1/32 INCHES. CHARACTERS SHALL BE ACCOMPANIED BY GRADE-2 BRAILLE. c. TYPE STYLES: CHARACTERS SHALL BE UPPERCASE, HELVETICA MEDIUM, HELVETICAL MEDIUM CONDENSED AND HELVETICA REGULAR. 			 BULLET RESISTANT FIBERGLASS PANELS SHALL BE "NON RICOCHET TYPE" TO PERMIT ENCAPTURE AND RETENTION OF AN ATTACKING PROJECTILE LESSENING THE POTENTIA RANDOM INJURY OR LATERAL PENETRATION. PANEL RATING: UL752 LEVEL 2.
HAS DISSIPATED. TERIOR TEMPERATURE UMIDITY LEVEL BETWEEN		 d. CHARACTER HEIGHT: 5/8 INCHES HIGH, MAXIMUM 2 INCHES. I. ADDRESS (LETTERS OR NUMBERS): 4 INCHES MINIMUM. e. SYMBOLS (PICTOGRAMS): EQUIVALENT WRITTEN DESCRIPTION SHALL BE PLACED DIRECTLY 		e.	 FANLL RATING: UL 132 LEVEL 2. BULLET RESISTANCE OF JOINTS: EQUAL TO THAT OF THE PANEL. MATERIALS PANELS FABRICATED OF MULTIPLE LAYERS OF WOVEN ROVING BALLISTIC GRADE
N RATE REQUIRED FOR		BELOW SYMBOL, OUTSIDE OF SYMBOL'S BACKGROUND FIELD. BORDER DIMENSIONS OF SYMBOL BACKGROUND SHALL BE MINIMUM 6 INCHES HIGH. f. FINISH AND CONTRAST: CHARACTERS AND BACKGROUND SHALL BE EGGSHELL, MATTE OR OTHER			 PANELS FADRICATED OF MILLIPLE LATERS OF MOVEN ROVING BALLISTIC GRADE FIBERGLASS CLOTH IMPREGNATED WITH A THERMOSET POLYESTER RESIN AND COMPR INTO FLAT RIGID SHEETS. THICKNESS: 5/16 INCH NOMINAL THICKNESS.
APPLIED. IN STRICT ACCORDANCE		NON-GLARE FINISH WITH ADEQUATE CONTRAST WITH BACKGROUND. g. SIGN MATERIAL:			 NOMINAL WEIGHT: 3.6 Ibs. PER SQ. FT. USE MANUFACTURER'S STANDARD PANEL SIZES.
ng. .e level of light at Eptance of the Building		 CAST ACRYLIC SHEET: MIL-PRF-8/84F; TYPE II, CLASS I; WATER WHITE NON-GLARE OPTICALLY CLEAR. MATT FINISH WATER WHITE CLEAR ACRYLIC WILL NOT BE ACCEPTABLE. POLYCARBONATE: MIL-P-46/44C; TYPE I, CLASS I. ANCHORAGE: CONCEALED; AS RECOMMENDED BY THE MANUFACTURER. 		f.	APPLICATION I. INSTALL INSTALL THE LEVEL 2 PANELS IN ACCORDANCE WITH MANUFACTURER'S PRINT INSTRUCTIONS 2. GECURE RANKLIC LIGING COREMG OR BOLTS
<u>TANCE OF THE BUILDING</u>		 4. COLOR(S): AS SELECTED BY THE OWNER. h. SCHEDULE, VERIFY WITH OWNER THE FULL SCHEDULE OF SIGNS REQUIRED THIS PROJECT. I. MALE AND FEMALE TOILET ROOMS 			 SECURE PANELS USING SCREWS OR BOLTS. a) METHOD OF APPLICATION SHALL INSTALL PANELS MINIMIZING VULNERABILITIES E FITTING TIGHTLY TO ADJACENT SURFACES INCLUDING CONCRETE FLOOR SLAB, CONCRETE ROOF SLAB, BULLET RESISTIVE DOOR FRAMES, BULLET RESISTIVE WIN
RICT ACCORDANCE WITH		 CONFERENCE ROOM WITH "IN USE / VACANT" SLIDING WINDOW IT / MAINTENANCE / OFFICE 			FRAMES, AND THE LIKE. 3. JOINTS
IS COMPANY, OR EQUAL RIES (ICI), MARTIN-SENOUR		4. MECHANICAL ROOM / JANITOR CLOSET 5. STORAGE CLOSET I FIRMICIA ALL REQUIRED CLOSET			 a) REINFORCE JOINTS WITH A BACK-UP LAYER OF BULLET RESISTIVE MATERIAL. b) MINIMUM WIDTH OF REINFORCING LAYER AT JOINT SHALL BE 4-INCHES, CENTERED
IGS & RESINS OR EQUAL OR		 FURNISH ALL REQUIRED SIGNAGE FROM THE SAME MANUFACTURER. MANUFACTURER: AMERICAN GRAPHICS, INC., ASI SIGN SYSTEMS, INC., GRIMCO, INC., MOHAWK SIGN SYSTEMS, SIGNATURE SIGNS, INC. OR EQUAL. INSTALL EACH TYPE OF SIGN IN ACCORDANCE MANUFACTURER'S WRITTEN INSTALLATION 		g.	PANEL JOINTS. WARRANTY I. WARRANT ALL MATERIALS AND WORKMANSHIP AGAINST DEFECTS FOR A PERIOD OF
		INSTRUCTIONS.	1 <i>00</i> 5.		YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION. LVING PROVIDE STORAGE SHELVING AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION. WORK INCLUDES:
SPECIFICALLY OTHERWISE		COLOR AND FINISH OF SURROUNDING FINISH.			I. CONCEALED AND CONTINUOUS FIRE RETARDANT TREATED (FRT) SOLID WOOD BLOCK GALVANIZED STEEL SHEET STRAPPING IN FRAMED CONSTRUCTION, STANDARDS, BRAC
	1002.	EXTERIOR SIGNAGE a. FURNISH EXTERIOR PARKING SIGNS, EXTERIOR BANKING TRAFFIC SIGNS, AND TRAFFIC SIGNS		b	SHELVES AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED. REFERENCE DRAWING SHEET HCIOO IN THE CONSTRUCTION DRAWINGS FOR SPECIFIC ICC//
tem, 2 finish coats Sh coats and I prime		WHERE REQUIRED, INDICATED AND SPECIFIED. I. FURNISH SIGNS OF TYPE, SIZE AND DESIGN AS REQUIRED BY THE OBC, THE OHIO DEPARTMENT OF TRANSPORTATION (OP OT) OF INAMUAL ON UNFORM TRAFFIC CONTROL			AII7.I REQUIREMENTS. MATERIAL:
on wats and traime		DEPARTMENT OF TRANSPORTATION (ODOT), OSHA, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CODE OF FEDERAL REGULATIONS (CFR), INTERNATIONAL ORGANIZATION OF STANDARDIZATION (ISO), ICC/ANSI AII7.I, AND THE OWNER. b. TYPE STYLES: CHARACTERS SHALL BE UPPERCASE, WITH FONT STYLE AS REQUIRED BY ICC/ANSI			 STANDARD: DOUBLE SLOTTED; HEAVY DUTY; WHITE; KV 82. BRACKET: DOUBLE SLOTTED; HEAVY DUTY; WHITE; KV 182; REFERENCE THE DRAWING THE REQUIRED DEPTH.
l, 2 finish coats over		 AIIT.I, ODOT AND THE SIGN MANUFACTURER. C. CHARACTER HEIGHT: AS REQUIRED BY ICC/ANSI AIIT.I, ODOT AND THE SIGN MANUFACTURER. d. SYMBOLS (PICTOGRAMS): AS REQUIRED BY ICC/ANSI AIIT., ODOT AND THE SIGN MANUFACTURER. 			 SHELVING: HIGH PRESSURE PLASTIC LAMINATE OR MELAMINE OVER MINIMUM 5/8 INCL THICKNESS PARTICLE-BOARD (PER ANSI A208.1). COLOR AS SELECTED BY THE OWN THE OWNER'S REPRESENTATIVE FROM MANUFACTURER'S STANDARD. a) OR OPTIONAL: VINYL-COATED, STEEL-WIRE, VENTILATED SHELVING SYSTEMS;
ATS OVER UNDERCOAT WITH		 e. FINISH AND CONTRAST: WHITE BAKED ENAMEL SURFACE WITH SCREEN PRINT COPY, SYMBOLS AND BORDER. f. SIGN MATERIAL: 0.08 INCHES THICK, ALUMINUM SHEET WITH STRENGTH AND DURABILITY OF 			CLOSETMAID BY CLAIRSON INTERNATIONAL OR EQUAL. 4. FRT WOOD BLOCKING: MINIMUM 2x6 (NOM.).
		 SIGN PATERIAL: 0.00 INCHES THICK, ALLIMINIA SHELT WITH STRENGTH AND DURADILITT OF 5005-HIS. CORNERS SHALL HAVE I INCH RADIUS. I. U-CHANNEL POSTS: SIGN MANUFACTURER'S STANDARD, GALVANIZED STEEL, & FOOT LONG, USING STANDARD MOUNTING HARDWARE OF GALVANIZED STEEL CARRIAGE BOLTS. BANKING TRAFFIC SIGNS AND MOUNTING COMPONENTS: FURNISHED BY OWNER'S BES AND AS 		d. e.	MANUFACTURER: KNAPE & VOGT OR APPROVED EQUAL. INSTALL COMPONENTS IN STRICT COMPLIANCE WITH MANUFACTURER'S PRINTED INSTRUCTION DETAILS AND SPECIFICATIONS. I. USE ONLY MANUFACTURER'S SPECIFIED FASTENERS FOR SECURING COMPONENTS TO
		SELECTED BY THE OWNER. I. INSTALLATION SHALL BE BY THIS CONTRACTOR. 2. MANUFACTURER: BES STANDARD.			SUBSTRATE PROVIDED. 2. MAXIMUM DISTANCE BETWEEN STANDARDS 24 INCHES CENTER TO CENTER.
CEILINGS, GYPSUM BOARD IN RWISE NOTED.		 h. FURNISH ALL REQUIRED SIGNAGE FROM THE SAME MANUFACTURER. MANUFACTURER: BEST SIGN SYSTEMS, INC., BARCO PRODUCTS, BRIMAR INDUSTRIES, INC. (SAFETY SIGNS) OR EQUAL. 			
SPECIFICALLY OTHERWISE		J. INSTALL EACH TYPE OF SIGN IN ACCORDANCE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.			
		 MOUNT SIGNS IN PROPER ALIGNMENT, LEVEL AND PLUMB. SIGNS SHALL BE INSTALLED WHERE BEST SUITED TO PROVIDE A CONSISTENT APPEARANCE THROUGHOUT THE PROJECT. PAINT AND TOUCH-UP ANY EXPOSED FASTENERS AND CONNECTING HARDWARE TO MATCH COLOR AND FINISH OF SURROUNDING FINISH. 			
5 : 2 FINISH COATS OVER	1003.	FIRE EXTINGUISHERS, CABINETS AND ACCESSORIES			
2.5 Mils. Elsewhere as noted in With owner for potential		 a. PROVIDE THE FIRE EXTINGUISHERS, SURFACE MOUNTED, RECESSED CABINET MOUNTED AND SEMI-RECESSED CABINET MOUNTED WHERE INDICATED AND SPECIFIED. I. FURNISH FIRE RESISTANCE RATED CABINETS WHERE REQUIRED AND SPECIFIED. 2. ALL FIRE EXTINGUISHERS SHALL BE MULTI-PURPOSE (MP) DRY-CHEMICAL TYPE IN STEEL 			
L		 ALL FIRE EXTINGUISHERS SHALL BE FULLY LOADED, TESTED, AND "TAGGED" READY FOR ALL FIRE EXTINGUISHERS SHALL BE FULLY LOADED, TESTED, AND "TAGGED" READY FOR 			
FINISH COATS OVER PRIMER		USE. b. FURNISH THE FOLLOWING FIRE EXTINGUISHERS FOR THE NOTED LOCATIONS: I. U. L. 2A-IOB:C FIRE EXTINGUISHER, IN RECESSED AND SEMI-RECESSED CABINET.			
DAT		 a) CABINET: LARSEN'S ARCHITECTURAL SERIES MODEL No. FS 2409 R3. c. U. L. 4A-80B:C FIRE EXTINGUISHER, SURFACE MOUNTED, AT OTHER LOCATIONS AS INDICATED. d. FURNISH FIRE EXTINGUISHER CYLINDERS, SURFACE MOUNTING HARDWARE AND CABINETS FROM 			
TS OVER UNDERCOAT WITH		THE SAME MANUFACTURER. I. SURFACE MOUNTING HARDWARE TO BE MANUFACTURER'S STANDARD TYPE. A FURNISH ALL CODE ASSOCIATED SIGNAGE			
TER		 e. FURNISH ALL CODE ASSOCIATED SIGNAGE. f. MANUFACTURER: LARSEN MANUFACTURING, J. L. INDUSTRIES, OR EQUAL. g. FIRE EXTINGUISHERS SHALL CONFORM TO THE REQUIREMENTS OF OBC SECTION 906. 			
Y FILM THICKNESS OF FINISH		h. INSTALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS IN ACCORDANCE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. SECURELY ANCHOR TO WALL CONSTRUCTION. MOUNT AT HEIGHTS INDICATED, WHEN NOT INDICATED, IN ACCORDANCE WITH			
ie. Ith 150 to 180 Grit		ICC/ANSI AII7.I REQUIREMENTS. I. FURNISH, SECURELY ATTACH, FIRE RETARDANT TREATED (FRT) 2x WOOD BLOCKING TO STRUCTURE OR GALVANIZED STEEL SHEET STRAPPING TO STRUCTURE, HIDDEN BEHIND GYPSUM BOARD, FOR ALL SURFACE MOUNTED FIRE EXTINGUISHERS UNLESS NOTED OTHERWISE			
STEM, 2 FINISH COATS OVER		OTHERWISE. 2. SECURELY ANCHOR BRACKETS AND CABINETS TO SUBSTRATE CONSTRUCTION WITH TOGGLE BOLTS OR EXPANSION ANCHORS.			

BOLTS OR EXPANSION ANCHORS. SHEET METAL SCREWS AND LEAD, WOOD, OR PLASTIC PLUGS ARE NOT ACCEPTABLE. INSTALL SIGNAGE AS REQUIRED BY THE BUILDING DEPARTMENT APPROVAL AUTHORITY AND THE MANUFACTURER'S PRINTED INSTRUCTIONS AND SPECIFICATIONS.

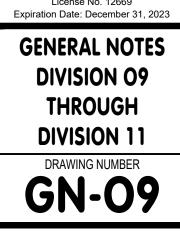
- STALL PANELS MINIMIZING VULNERABILITIES BY ACES INCLUDING CONCRETE FLOOR SLAB, ISTIVE DOOR FRAMES, BULLET RESISTIVE WINDOW
- LAYER OF BULLET RESISTIVE MATERIAL.
- YER AT JOINT SHALL BE 4-INCHES, CENTERED ON
- NSHIP AGAINST DEFECTS FOR A PERIOD OF TEN (10) COMPLETION.
- THE DRAWINGS AND AS NOTED HEREIN, WITH E INSTALLATION. WORK INCLUDES: ARDANT TREATED (FRT) SOLID WOOD BLOCKING OR N FRAMED CONSTRUCTION, STANDARDS, BRACKETS,
- CIDENTALS AS REQUIRED. ONSTRUCTION DRAWINGS FOR SPECIFIC ICC/ANSI
- UTY; WHITE; KV 82. ITY; WHITE; KV 182; REFERENCE THE DRAWINGS FOR
- MINATE OR MELAMINE OVER MINIMUM 5/8 INCH I A208.1). COLOR AS SELECTED BY THE OWNER OR ANUFACTURER'S STANDARD. EL-WIRE, VENTILATED SHELVING SYSTEMS;
- ATIONAL OR EQUAL.
- /ED EQUAL.
- E WITH MANUFACTURER'S PRINTED INSTRUCTIONS, ASTENERS FOR SECURING COMPONENTS TO
- DS 24 INCHES CENTER TO CENTER

OMPOSITES, EQUAL BY TOTAL SECURITY SOLUTIONS,

SHALL BE "NON RICOCHET TYPE" TO PERMIT THE CKING PROJECTILE LESSENING THE POTENTIAL OF A

RS OF WOVEN ROVING BALLISTIC GRADE THERMOSET POLYESTER RESIN AND COMPRESSED

B \mathcal{O} the DI for Z ы Г Building Z ME laintenance DEVELOI \mathbf{Z} [T] M \bigcirc Ó \mathbb{S} Z З and \bigcirc \mathbf{D} Iterations Ż \square \mathbf{O} \triangleleft Facility 431 LD Ohio FIE Ð IR , C, V H ĹŢ, \bigcirc ARCHITECTS 426 EAST MAIN STREET LANCASTER, OHIO 43130 phone: (740) 654-4048 facsimile: (740) 654-3009 Copyright ~ 2023 All drawings are and shall be the property of VPL Architect's, Inc., and may not be used, duplicated, or altered without the written consent of the Architect COMMISSION No. P2118 ISSUE MARK DATE PROGRESS | FINAL | 01/27/2023 BIDDING 02/15/2023 DRAWN BY: AB, nip NICHOLAS PALLADINO Nicholas J. Palladino License No. 12669



- 1200. PROVIDE SUBMITTAL IN ACCORDANCE WITH DIVISION OI GENERAL CONDITIONS. a. MANUFACTURED WOOD-VENEER-FACED CASEWORK.
- b. PLASTIC-LAMINATE-CLAD COUNTERTOPS.
- 1201. REFERENCE STANDARDS
 - a. CONFORM TO LATEST EDITIONS OF THE FOLLOWING REFERENCE STANDARDS, WITH CURRENT REVISIONS, FOR THE MANUFACTURING, TESTING, AND INSTALLATION OF BANKING EQUIPMENT AND CASEWORK AND PLASTIC LAMINATE COUNTERTOPS
 - I. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) REQUIREMENTS.
 - 2. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) REQUIREMENTS.
 - 3. CONSUMER PRODUCTS SAFETY COMMISSION (CPSC) REQUIREMENTS.
 - 4. INTERNATIONAL CODE COUNCIL, ICC / ANSI AII7.I, "ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES" 2009 EDITION REQUIREMENTS.
 - 5. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REQUIREMENTS. 6. UNDERWRITERS' LABORATORIES, INC. (U.L.) REQUIREMENTS.
 - 1. U. S. DEPARTMENT OF ENERGY (USDE ENERGY STAR PROGRAM) REQUIREMENTS. 8. U. S. PRODUCTS STANDARDS (USPS) REQUIREMENTS.
- 1202. EXAMINATION
- a. EXAMINE SUBSTRATES, STRUCTURE AND INSTALLATION CONDITIONS. DO NOT PROCEED WITH ANY
- PORTION OF THE WORK UNDER THIS DIVISION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED b. INSTALLATION CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND RESPONSIBILITY FOR SATISFACTORY PERFORMANCE.
- 1203. MANUFACTURED WOOD-VENEERED-FACED CASEWORK a. REMOVE AND SALVAGE FOR REUSE THE EXISTING WOOD-VENEERED-FACE CASEWORK AS
 - INDICATED ON THE DRAWINGS b. PROVIDE THE MANUFACTURED WOOD-VENEERED-FACED (KITCHEN TYPE) CASEWORK AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION WORK INCLUDES:
 - I. BASE CABINETS, WALL CABINETS, FINISH HARDWARE AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED TO MEET THE ANSI/KITCHEN CABINET MANUFACTURERS ASSOCIATION (KCMA) "CERTIFIED CABINET", IGI.I UNIFORM PERFORMANCE AND CONSTRUCTION STANDARDS.
 - 2. AFFIX "CERTIFIED CABINET" SEAL, IN A SEMI-CONCEALED LOCATION, ON EACH CABINET UNIT.
 - c. MANUFACTURER: CASEWORK IS BASED ON ECHELON CABINETRY, MAPLE HARDWOOD, "SELECT" CABINET CONSTRUCTION OPTION AND OTHER PLYWOOD CONSTRUCTION OPTIONS AS NOTED.
 - d. FIELD MEASURE AFTER INSTALLATION OF GYPSUM BOARD LOCATIONS OF ALL CASEWORK TO
 - PREPARE SHOP DRAWINGS. e. DEFINITIONS
 - EXPOSED SURFACES OF CASEWORK: SURFACES VISIBLE WHEN DOORS AND DRAWERS ARE CLOSED, INCLUDING VISIBLE SURFACES IN OPEN CASEWORK.
 - 2. SEMI-EXPOSED SURFACES OF CASEWORK: SURFACES BEHIND DOORS AND DRAWER FRONTS, INCLUDING INTERIOR FACES OF DOORS AND INTERIORS AND SIDES OF DRAWERS. BOTTOMS OF WALL CASEWORK ARE DEFINED AS "SEMI-EXPOSED.
 - 3. CONCEALED SURFACES OF CASEWORK: SURFACES NOT USUALLY VISIBLE AFTER INSTALLATION, INCLUDING SLEEPERS, WEB FRAMES, DUST PANELS, BOTTOM OF DRAWERS, AND ENDS OF CASEWORK INSTALLED DIRECTLY AGAINST AND COMPLETELY CONCEALED BY WALLS OR OTHER CASEWORK. TOPS OF WALL CASEWORK AND TALL CASEWORK ARE DEFINED AS "CONCEALED."
 - f. CASEWORK CONSTRUCTION (BASE AND WALL)
 - I. FACE FRAME: 3/4 INCHES THICK BY I 1/2 INCHES THICK MAPLE HARDWOOD. a. HARDWOOD LUMBER: CLEAR, DRY, SOUND, AND FREE OF DEFECTS AND SELECTED FROM FIRST GRADE LUMBER MEETING NATIONAL HARDWOOD LUMBER ASSOCIATION (NHLA)
 - STANDARDS. 2. DOOR FACES: STAINED, PARTIAL OVERLAY, ALL MAPLE HARDWOOD, FIVE (5) PIECE RAISED
 - DRAWER FACES: STAINED, PARTIAL OVERLAY, ALL MAPLE HARDWOOD, SLAB.
 - 4. SIDES, CONCEALED: 3/8 INCHES THICK MEDIUM DENSITY PARTICLE-BOARD WITH MATCHING 4-MIL VINYL LAMINATE EXTERIOR. SIDES, EXPOSED: 3/8 INCHES THICK VENEER PLYWOOD STAINED TO MATCH FACE FRAME
 - EXPOSED AND 4-MIL VINYL LAMINATE. 6. BACK: 3/8 INCHES THICK MEDIUM DENSITY PARTICLE-BOARD.
 - TOP (WALL AND TALL): 1/2 INCHES THICK MEDIUM DENSITY PARTICLE-BOARD WITH 4-MIL VINYL LAMINATE.
 - 8. BOTTOM (WALL): 3/4 INCHES THICK MEDIUM DENSITY PARTICLE-BOARD WITH 4-MIL VINYL LAMINATE.
 - 9. BOTTOM (BASE): 3/4 INCHES THICK MEDIUM DENSITY PARTICLE-BOARD WITH 4-MIL VINYL I AMINATE.
 - IO. CORNERS (BASE): TWO (2) PLYWOOD STRETCHER RAILS. II. SHELVES (WALL AND TALL): ADJUSTABLE, 3/4 INCHES THICK, FULL DEPTH, PLYWOOD, 15 lbs.
 - MAXIMUM WEIGHT / sq. ft. SHELVES (BASE): ADJUSTABLE, 3/4 INCHES THICK, FULL DEPTH, PLYWOOD, 15 lbs. MAXIMUM
 - WEIGHT / sq. ft. 13. DRAWER:
 - a. BOX: 3/4 INCHES THICK ALL PLYWOOD (WITH CLEAR COAT), DOVETAIL JOINERY, 21 INCHES DEEP.
 - b. BOTTOM: 1/4 INCHES THICK PLYWOOD, FULLY CAPTURED. FILLER STRIPS: FURNISH ALL FILLER STRIPS FOR BASE AND WALL CABINETS FOR A COMPLETE FINISHED SYSTEM.
 - BASE CABINETS TO HAVE MANUFACTURER PROVIDED "TOE-KICK" FILLER STRIPS.
 - h. CABINET HARDWARE SHALL COMPLY WITH ANSI/BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA) A159.9 CABINET HARDWARE AND A159.16 AUXILIARY HARDWARE.
 - DRAWER SLIDES: SELF CLOSING, FULL EXTENSION, IN STOP, OUT STOP AND OUT KEEPER, NYLON-TIRED, BALL-BEARING ROLLERS, EPOXY POWDER COATED FINISH, MINIMUM 88 lbs.
 - DYNAMIC LOAD RATING. HINGES: CONCEALED EUROPEAN-STYLE, SELF-CLOSING, CLIP-ON HINGES, MINIMUM 170 DEGREE OPENING, SIX-WAY FULLY ADJUSTABLE (4-SCREW TYPE), NICKEL COATED ZINC ALLOY. DOORS 39 INCHES HIGH OR LESS, 2-HINGES.
 - DOORS 40-51 INCHES HIGH, 3-HINGES.
 - DOORS 52-92 INCHES HIGH, 4-HINGES. k. WIRE PULLS: BACK MOUNTED, SOLID METAL, 4-INCHES LONG, 5/16 INCHES DIAMETER MEETING
 - ICC/ANSI AII7.I REQUIREMENTS.
 - I. SHELF RESTS: METAL, TWO-PIN TYPE WITH SHELF HOLD-DOWN CLIP; ANSI/BHMA AI56,9 B54013.
 - m. DOOR AND DRAWER SILENCERS: BHMA A155.16, L3011. n. PRIOR TO FABRICATION, PROVIDE A MOCK-UP, FOR THE OWNER'S REVIEW AND APPROVAL. IF
 - APPROVED, THE MOCK-UP MAY BE INCORPORATED IN THE WORK. O. UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER, BEGINNING A MINIMUM OF SEVEN (7) DAYS PRIOR TO INSTALLATION, MAINTAIN AN AMBIENT TEMPERATURE BETWEEN 65 AND 18 DEGREES F AND RELATIVE HUMIDITY BETWEEN 25% AND 50%. MAINTAIN SPECIFIED FOR THE DURATION OF THE PROJECT.
 - CABINET HARDWARE SHALL COMPLY WITH ICC/ANSI AII7.I REQUIREMENTS. INSTALL OWNER SELECTED HARDWARE TO WALL AND BASE CABINETS IN ACCORDANCE WITH
 - MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL ALL CASEWORK PLUMB, LEVEL, TRUE, AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS. WHERE CASEWORK ABUTS OTHER FINISHED WORK, SCRIBE
 - AND CUT CASEWORK FOR ACCURATE FIT. INSTALL FILLER STRIPS, SCRIBE STRIPS AND MOULDINGS AS INDICATED OR REQUIRED, AND IN FINISH TO MATCH CASEWORK FACE. I. ANCHOR CABINETS SECURELY IN PLACE WITH CONCEALED (WHEN DOORS AND DRAWERS ARE CLOSED) FASTENERS, ANCHORED INTO STRUCTURAL SUPPORT MEMBERS OF WALL
 - CONSTRUCTION. 2. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR SUPPORT OF UNITS.
 - 3. COMPLETE HARDWARE INSTALLATION AND ADJUST DRAWERS AND DOORS FOR PROPER OPERATION.
 - 4. PROTECT CABINETS FROM DAMAGE UNTIL FINAL ACCEPTANCE BY THE OWNER.

- 1204. PLASTIC-LAMINATE-CLAD COUNTERTOPS
 - a. PROVIDE THE PLASTIC-LAMINATE-CLAD COUNTERTOPS AS INDICATED ON THE DRAWINGS. WORK INCLUDES: ADHESIVES, THE COVERING OF ALL SIDES AND EDGES OF FLAT COMPONENTS AND
 - POST-FORMING COMPONENTS, AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED. b. FIELD MEASURE AFTER INSTALLATION OF GYPSUM BOARD LOCATIONS OF ALL COUNTERTOPS TO PREPARE SHOP DRAWINGS.
- c. ACCEPTABLE COUNTERTOP FABRICATORS: MILLTECH, CANAL WINCHESTER; CAMPBELL'S CABINETS AND COUNTERTOPS, LANCASTER; OR APPROVED EQUAL.
- d. PLASTIC-LAMINATE-CLADDING MANUFACTURERS: WILSONART LLC, PANOLAM INDUSTRIES,
- FORMICA GROUP, e. MATERIALS
- I. PLASTIC LAMINATE: NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA), HIGH PRESSURE DECORATIVE LAMINATES LD 3-05.
 - a) CONCEALED BACKING SHEET TYPE BKL. b) DECORATIVE SURFACES:
 - FLAT COMPONENTS: TYPE GP-HGL.
 - 2) POST FORMING: TYPE GP-HGP.
- 2. PARTICLE-BOARD: COMPOSITE PANEL ASSOCIATION (CPA) A208.1. 3. PLYWOOD: U. S. DEPARTMENT OF COMMERCE, PRODUCT STANDARDS (PS), CONSTRUCTION
- AND INDUSTRIAL PLYWOOD PS-I. 4. ADHESIVES: FEDERAL SPECIFICATION (FS) ADHESIVE, CONTACT, NEOPRENE RUBBER
- A-A-1936. 5. FASTENERS: USE STUDS, BOLTS, SPACES, THREADED ROD WITH NUTS, OR SCREWS SUITABLE
- SUPPORTING SHAPES.
- COUNTERTOPS GENERAL
- FABRICATE COUNTERTOPS TO OVERHANG FRONT OF CABINETS ONE INCH, AND ON-HALF
- INCH AT END OF ASSEMBLIES EXCEPT WHERE AGAINST WALL OR CABINET.
- PROVIDE 0.039 INCH THICK METAL PLATE CONNECTORS OR FASTENING DEVICES.
- FABRICATE WITH END SPLASHES WHERE AGAINST OR CABINETS.
- 6. BACK SPLASHES AND END SPLASHES a) NOT LESS THAN 3/4 INCHES THICK.
- b) HEIGHT AT 4 INCHES UNLESS NOTED OTHERWISE.
- c) DRILL OR CUT-OUT FOR SINKS AND PENETRATIONS
- I) ACCURATELY CUT FOR SIZE OF PENETRATION.
- g. PLASTIC-LAMINATE-CLAD COUNTERTOPS I. FABRICATE PLASTIC LAMINATE ON FIVE-PLY PLYWOOD OR PARTICLE-BOARD CORE 3/4 INCHES THICK WITH PLASTIC LAMINATE BACKING SHEET.
- 2. FRONT EDGE OVER CABINETS NOT LESS THAN I-1/2 INCHES THICK INSTALLATION
- I. BEFORE INSTALLING COUNTERTOPS VERIFY THAT WALL SURFACES HAVE BEEN FINISHED AS SPECIFIED AND THAT MECHANICAL AND ELECTRICAL SERVICE LOCATIONS ARE AS REQUIRED
- 2. SECURE COUNTERTOPS TO SUPPORTING RAILS OF CABINETS WITH METAL FASTENING DEVICES, OR SCREWS THROUGH PIERCED SLOTS IN CABINET RAILS.
- a) USE WOOD OR SHEET METAL SCREWS FOR PLASTIC LAMINATE COUNTERTOPS; MINIMUM PENETRATION INTO TOP 5/8 INCHES, SCREW SIZE No. 8, OR No. 10.
- INSTALL PLUMBING FIXTURES TO FORM A WATERTIGHT SEAL UNDER SHELF RIM. CLEAN COUNTERTOPS AT COMPLETION OF WORK. PROTECT AGAINST DAMAGE UNTIL FINAL
- ACCEPTANCE BY OWNER.
- 1205. OWNER SUPPLIED FURNITURE AND EQUIPMENT
 - a. ALL OFFICE FURNITURE (MODULAR FURNITURE, TABLES, CHAIRS, STOOLS, ETC.) TO BE FURNISHED BY THE OWNER.
 - b. ALL OFFICE EQUIPMENT (COPIERS, COMPUTERS, TELEPHONES, ETC.) TO BE FURNISHED BY THE OWNER.
 - c. ALL APPLIANCES TO BE FURNISHED BY THE OWNER. d. CONSULT WITH OWNER FOR ADDITIONAL REQUIREMENTS PRIOR TO BEGINNING ANY OF THE WORK.

- - FOR MATERIALS BEING JOINED WITH METAL SPLICE PLATES, CHANNELS, OR OTHER

FABRICATE IN LARGEST SECTIONS PRACTICABLE

FABRICATE WITH JOINTS FLUSH ON TOP SURFACE

DIVISION 13 - SPECIAL CONSTRUCTION, NO REQUIREMENTS **DIVISION 14 - CONVEYING EQUIPMENT, NO REQUIREMENTS DIVISION 21 - FIRE SUPPRESSION, NO REQUIREMENTS**

DIVISION 22 - PLUMBING

NOTE
REFER TO THE PLUMBING DRAWINGS, AS PREPARED BY XPERT ENGINEERING, LLC, FOR ADDITIONAL HVAC SPECIFICATIONS AND INFORMATION. WHERE THOSE PLUMBING REQUIREMENTS CONFLICT
WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT SHALL APPLY.

2200. BASIC PLUMBING SYSTEMS REQUIREMENTS

RELATED DOCUMENTS I. INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

SUMMARY I. THE GENERAL CONTRACTOR MUST COORDINATE THE WORK OF ALL TRADES, INCLUDING THE PLUMBING TRADE

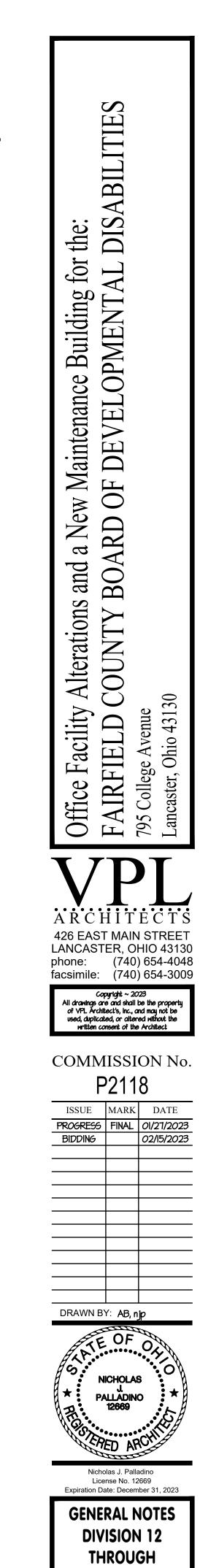
- 2. THE PLUMBING CONTRACTOR (HEREAFTER REFERRED TO AS THE CONTRACTOR) SHALL FURNISH ALL MATERIALS AND PERFORM ALL LABOR FOR WORK OF DIVISION 22 UNLESS SPECIFIED OTHERWISE.
- a) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE WORK PERFORMED, ALTHOUGH SAID LAW, RULE OR REGULATION IS NOT IDENTIFIED HEREIN. b) THE CONTRACTOR SHALL CALL FOR ALL INSPECTIONS REQUIRED UNLESS SPECIFIED OTHERWISE.
- 3. THE CONTRACTOR IS REQUIRED TO READ THESE GENERAL NOTES COVERING ALL BRANCHES OF THE WORK AND WILL BE HELD RESPONSIBLE FOR COORDINATION OF HIS WORK WITH THE
- WORK PERFORMED UNDER ALL OTHER TRADES/CONTRACTS. 4. THE CONTRACTOR SHALL BE QUALIFIED AND CAPABLE OF INSTALLING THE PROPOSED SYSTEMS
- 5. FURNISH SHOP DRAWINGS AND/OR SUBMITTALS IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION - OI GENERAL REQUIREMENTS. a) THE GENERAL CONTRACTOR SHALL CHECK, APPROVE AND SIGN ALL SHOP DRAWINGS.
- SHOP DRAWINGS NOT SIGNED AND APPROVED BY THE GENERAL CONTRACTOR WILL BE RETURNED b) THIS CONTRACTOR SHALL PROVIDE RECORD DOCUMENTS TO THE ENGINEER AND
- ARCHITECT c) FURNISH SHOP DRAWINGS FOR THE FOLLOWING:
- I) OIL INTERCEPTOR
- 2) TRENCH DRAIN AND GRATE 3) DW PIPING AND DWV PIPING, FITTINGS, VALVES AND SAFETY DEVICES
- 4) YARD HYDRANT c. GENERAL

I. PROVIDE THE COMPLETE PLUMBING SYSTEMS TO INCLUDE DOMESTIC WATER (DW) PIPING, DRAIN, WASTE AND VENT (DWV) PIPING, PLUMBING FIXTURES, EQUIPMENT AND ACCESSORIES. WORK TO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- a) REMOVING AND RELOCATING EXISTING PLUMBING EQUIPMENT.
- b) MODIFY AND/OR EXTEND EXISTING SERVICES TO ACCOMMODATE NEW WORK, AND IF REQUIRED, TO RECONNECT EXISTING SYSTEMS TO REMAIN.
- c) REMOVE AND/OR ABANDON EXISTING SYSTEMS, PIPING, FIXTURES AND EQUIPMENT NO LONGER REQUIRED. d) COORDINATE LOCATION OF NEW PLUMBING SYSTEMS, INCLUDING UNDERGROUND PIPING, TO
- AVOID INTERFERENCE WITH LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES, LOCATION OF BUILDING STRUCTURE AND OTHER BUILDING SYSTEMS. e) FLOOR, WALL AND ROOF SLEEVES.
- F) NEW SUPPORT DEVICES, TRIM AND ACCESSORIES.
- INSULATIONS FOR PIPING.
- INCLUDE ALL MINOR ITEMS OF WORK NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIVE PLUMBING SYSTEMS WHETHER SPECIFICALLY SHOWN OR NOT.
-) ALL NECESSARY OFFSETS IN PIPING, FITTINGS, VALVES, ETC. REQUIRED TO AVOID INTERFERENCES BETWEEN PIPING, FIXTURES, EQUIPMENT, STRUCTURAL AND ARCHITECTURA WORK ARE NOT SHOWN BUT SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- 2. FURNISH ALL MATERIALS, LABOR, TOOLS, TRANSPORTATION, INCIDENTALS AND APPURTENANCES TO COMPLETE IN EVERY DETAIL AND LEAVE IN WORKING ORDER ALL ITEMS OF WORK CALLED FOR HEREIN OR SHOWN ON THE ACCOMPANYING DRAWINGS.
- a) PROVIDE ALL UNDERGROUND DW AND DWV PIPING, EQUIPMENT, FIXTURES, FITTINGS, HANGERS AND SUPPORTS, INSULATION, DEVICES, TESTING, AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED FOR A COMPLETE, FUNCTIONAL PLUMBING SYSTEM. b) ALL MATERIAL USED IN CONSTRUCTION DESCRIBED HEREINAFTER SHALL BE THE BEST OF
- THEIR RESPECTIVE KINDS. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE OBC CHAPTER 29 2017, THE OHIO PLUMBING CODE (OPC) 2017, AND THE INTERNATIONAL FUEL GAS CODE (IFGC).
- 4. SLEEVES: FURNISH AND DIMENSIONALLY LOCATE FOR INSTALLATION BY THE GENERAL
- CONTRACTOR UNLESS AGREED UPON OTHERWISE. 5. WEATHER-PROOFING THE EXTERIOR FACE OF EXTERIOR WALLS AT SLEEVES IS BY THE GENERAL CONTRACTOR; SEALING THE INTERIOR FACE OF EXTERIOR WALLS, BOTH SIDES OF INTERIOR WALLS AND AT INTERIOR FLOOR ASSEMBLIES WILL BE PERFORMED BY THIS CONTRACTOR.
- 6. PROVIDE ACCESS DOOR(S) AS REQUIRED FOR FUTURE ACCESS TO WORK. COORDINATE
- LOCATION(S) WITH ENGINEER. REFERENCE PLUMBING DRAWINGS FOR SPECIFIC REQUIREMENTS. 1. PROVIDE TEMPORARY WATERPROOFING OF PENETRATIONS THROUGH THE ROOF AND EXTERIOR WALLS.
- 8. REFERENCE DIVISION OT OF THE GENERAL NOTES AND THE HVAC DRAWINGS FOR SEALANT REQUIREMENTS
- 9. AS PART OF PROJECT CLOSE-OUT, CONDUCT TRAINING WITH THE OWNER OF THE INSTALLED SYSTEMS. INCLUDE MAINTENANCE REQUIREMENTS, THERMOSTAT PROGRAMMING, FILTER CHANGING/CLEANING, ETC. d.
- DRAWINGS 1. HVAC WORK SHOWN ON THE DRAWINGS, AND THE GENERAL NOTES SHOWN ON THE DRAWINGS, NUMBERED WITH THE PREFIX "P" AND "GN" ARE PART OF THIS WORK. EXAMINE ALL OTHER CONTRACT DOCUMENT DRAWINGS AND GENERAL NOTES SECTIONS FOR ADDITIONAL PLUMBING
- 2. THE DRAWINGS AS PREPARED ARE IN GENERAL DIAGRAMMATIC. AND, BY THEIR NATURE ARE NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL OR EVERY PIPE, FITTING OR VALVE IN ITS EXACT LOCATION. THE EXACT LOCATIONS OF ALL PIPING, FIXTURES AND COMPONENTS
- SHALL BE DETERMINED BY THE STRUCTURE AND THE WORK OF OTHER TRADES. METHODS, INSTALLATION AND WORKMANSHIP SHALL COMPLY WITH PROVISIONS OF THE FOLLOWING CODES AND STANDARDS:
- AMERICAN GAS ASSOCIATION (AGA)
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) AMERICAN SOCIETY OF SANITARY ENGINEERS (ASSE)
- 5. AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHRAE)
- 6. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
- AMERICAN WELDING SOCIETY (AWS)
- AMERICAN WATER WORKS ASSOCIATION (AWWA) 9. CONSUMER PRODUCTS SAFETY COMMISSION (CPSC)
- IO. FEDERAL SPECIFICATIONS (FS)
- INTERNATIONAL CODE COUNCIL, INC. (ICC)
- 12. INTERNATIONAL ORGANIZATION OF STANDARDIZATION (ISO)
- 13. INTERNATIONAL FUEL GAS CODE (IFGC) 14. MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE & FITTINGS INDUSTRY, INC. (MSS)
- 15. NORTH AMERICAN INSULATION MANUFACTURERS ASSOCIATION (NAIMA)
- 16. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) a) NATIONAL ELECTRICAL CODE (NEC)
- 17. NATIONAL SANITATION FOUNDATION (NSF)
- 18. UNDERWRITERS' LABORATORIES (UL)
- 19. U. S. ENVIRONMENTAL PROTECTION (EPA) 20. U.S. PRODUCTS STANDARDS (USPS)
- F. CUTTING AND PATCHING
- I. ALL CUTTING OF WALLS, FLOORS, CEILING, ETC., TO PERMIT THE INSTALLATION OF THE PLUMBING WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS AGREED UPON OTHERWISE.
- 2. NO STRUCTURAL MEMBER WILL BE CUT INTO WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER.
- 3. FURNISH THE GENERAL CONTRACTOR LOCATIONS AND SIZES OF ALL OPENINGS REQUIRED FOR THE INSTALLATION OF ANY WORK BEFORE BEGINNING ANY CONSTRUCTION. IF IT IS NECESSARY TO CUT INTO NEW WORK BECAUSE OF THE FAILURE OF THIS CONTRACTOR TO NOTIFY THE GENERAL CONTRACTOR, THEN THE GENERAL CONTRACTOR SHALL DO THE NECESSARY CUTTING AND PATCHING AT THIS CONTRACTOR'S EXPENSE.
- COORDINATION . COORDINATE THE SHUT-OFF AND DISCONNECTION OF EXISTING PLUMBING EQUIPMENT AND COMPONENTS WITH OWNER, AND WITH THE UTILITY PROVIDER WHERE REQUIRED.
- 2. PERFORM DEMOLITION IN PHASES AS SCHEDULED OR INDICATED. 3. COORDINATE CHASES, SLOTS, INSERTS, SLEEVES, AND OPENINGS FOR PLUMBING SUPPORTS,
 - PIPING, FIXTURES AND EQUIPMENT WITH THE GENERAL CONTRACTOR.

2200. BASIC PLUMBING SYSTEMS REQUIREMENTS (CONTINUED)

- 4. COORDINATE LOCATION OF ACCESS PANELS AND DOORS FOR PLUMBING COMPONENTS THAT ARE CONCEALED BEHIND FINISHED SURFACES AND REQUIRE ACCESS. 5. ELECTRICAL WORK:
- a) THIS CONTRACTOR SHALL FURNISH TO THE ELECTRICAL CONTRACTOR ALL WIRING
- DIAGRAMS REQUIRED TO CONNECT PLUMBING EQUIPMENT, DEVICES OR COMPONENTS. b) CONTROL AND INTERLOCK WIRING SHALL BE BY THIS CONTRACTOR.
- 6. COORDINATE INSTALLING LARGE EQUIPMENT THAT REQUIRES POSITIONING BEFORE "CLOSING-IN" IN THE BUILDING.
- 7. EXCAVATING WORK: a) THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, SHORING, BRACING, EQUIPMENT AND LABOR FOR ALL EXCAVATING AND EARTH MOVING WORK FOR THE PROPOSED PROPOSED SYSTEMS UNLESS AGREED UPON OTHERWISE WITH THE GENERAL CONTRACTOR.
- 8. THE OWNER, ENGINEER OR ARCHITECT RESERVES THE RIGHT TO MAKE MINOR CHANGES IN LOCATION WHICH DO NOT REQUIRE ADDITIONAL LABOR, MATERIAL OR CONTRACT TIME UP TO THE TIME OF ROUGHING-IN WITHOUT ADDITIONAL COST.
- h. JOINT SEALANTS I. FURNISH AND APPLY ALL JOINTS SEALANTS AS REQUIRED FOR A WATER-TIGHT SYSTEM IN ACCORDANCE WITH THE OBC AND MANUFACTURER'S INSTRUCTIONS. REFER TO DIVISION OT
- REQUIREMENTS TEST, INSPECTIONS AND DISINFECTION
- I. TEST ALL PLUMBING PIPING IN ACCORDANCE WITH OPC REQUIREMENTS AND THE MANUFACTURER'S REQUIREMENTS.
- a) PERFORM THE REQUIRED TESTS IN ACCORDANCE WITH OPC SECTION 312, TESTS AND INSPECTIONS.
- 2. PERFORM TESTS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE AND THE ENGINEER. DEMONSTRATE THAT ALL PLUMBING PIPING SYSTEMS OPERATES IN ACCORDANCE WITH THE OPC, THE MANUFACTURER'S REQUIREMENTS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS
- 3. PERFORM THE DISINFECTION OF THE NEW POTABLE DW SYSTEMS IN ACCORDANCE WITH OPC SECTION 610, DISINFECTION OF POTABLE WATER SYSTEM a) POTABLE WATER SYSTEMS SHALL BE PURGED OF DELETERIOUS MATTER AND DISINFECTED
- PRIOR TO UTILIZATION. b) THE DISINFECTION METHOD TO BE FOLLOWED SHALL BE THAT AS PRESCRIBED BY THE HEALTH AUTHORITY OR WATER PURVEYOR HAVING JURISDICTION OR. IN THE ABSENCE OF A PRESCRIBED METHOD, THE PROCEDURE DESCRIBED IN EITHER AWWA C651 OR AWWA C652, OR AS DESCRIBED IN OPC SECTION 610.1.
- 4. DELIVER ALL TESTS, DISINFECTION RESULTS AND INSPECTION CERTIFICATES TO THE OWNER'S REPRESENTATIVE, THE ENGINEER AND THE ARCHITECT. WARRANTY
- WARRANTY ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND/OR MATERIALS. SHOULD ANY DEFECTS DEVELOP WITHIN A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE HAS BEEN MADE, CORRECT THEM AND REPAIR ANY DAMAGE THAT RESULTED FROM SAME AT NO ADDITIONAL COST.



DIVISION 22

DRAWING NUMBER

GN-1C

NOTE REFER TO THE HVAC DRAWINGS, AS PREPARED BY XPERT ENGINEERING, LLC, FOR ADDITIONAL HVAC SPECIFICATIONS AND INFORMATION. WHERE THOSE HVAC REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT SHALL APPLY.

2300. BASIC HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) SYSTEMS REQUIREMENTS

- a. RELATED DOCUMENTS I. INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPECIFICATION SECTIONS, APPLY TO THIS SECTION
- b. SUMMARY I. THE GENERAL CONTRACTOR MUST COORDINATE THE WORK OF ALL TRADES, INCLUDING THE
- HVAC TRADE. 2. THE HVAC CONTRACTOR (HEREAFTER REFERRED TO AS THE CONTRACTOR) SHALL FURNISH
- ALL MATERIALS AND PERFORM ALL LABOR FOR WORK OF DIVISION 23 UNLESS SPECIFIED OTHERWISE a) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE,
- AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE WORK PERFORMED, ALTHOUGH SAID LAW, RULE OR REGULATION IS NOT IDENTIFIED HEREIN.
- b) THE CONTRACTOR SHALL CALL FOR ALL INSPECTIONS REQUIRED UNLESS SPECIFIED OTHERWISE. 3. THE CONTRACTOR IS REQUIRED TO READ THESE GENERAL NOTES COVERING ALL BRANCHES
- OF THE WORK AND WILL BE HELD RESPONSIBLE FOR COORDINATION OF HIS WORK WITH THE WORK PERFORMED UNDER ALL OTHER TRADES/CONTRACTS.
- 4. THE CONTRACTOR SHALL BE QUALIFIED AND CAPABLE OF INSTALLING THE PROPOSED SYSTEMS.
- 5. FURNISH SHOP DRAWINGS AND/OR SUBMITTALS IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION - OI GENERAL REQUIREMENTS a) THE GENERAL CONTRACTOR SHALL CHECK, APPROVE AND SIGN ALL SHOP DRAWINGS
- SHOP DRAWINGS NOT SIGNED AND APPROVED BY THE GENERAL CONTRACTOR WILL BE RETURNED
- b) THIS CONTRACTOR SHALL PROVIDE RECORD DOCUMENTS TO THE ENGINEER AND ARCHITECT.
- c) FURNISH DETAILED DRAWINGS AND MANUFACTURER'S CATALOG DATA SHEETS OR THE FOLLOWING:
- I) ALL HVAC EQUIPMENT
- 2) ROOF CURBS 3) DUCTWORK AND DUCTWORK INSULATION
- 4) AIR DEVICES
- 5) HVAC PIPING, FITTINGS, VALVES AND SAFETY DEVICES
- 6) WIRING DIAGRAMS
- 7) ACCESSORIES
- 8) AIR BALANCE REPORTS c. GENERAL

1. PROVIDE THE COMPLETE HVAC SYSTEMS TO INCLUDE LOW-VOLTAGE CONTROLS, DUCTWORK, AIR DEVICES, EQUIPMENT AND ACCESSORIES. WORK TO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- a) REMOVING AND RELOCATING EXISTING HVAC EQUIPMENT.
- b) MODIFY AND/OR EXTEND EXISTING SERVICES TO ACCOMMODATE NEW WORK, AND IF REQUIRED, TO RECONNECT EXISTING SYSTEMS TO REMAIN. c) REMOVE AND/OR ABANDON EXISTING SYSTEMS, PIPING AND DUCTWORK NO LONGER
- REQUIRED d) COORDINATE LOCATION OF NEW HVAC SYSTEMS TO AVOID INTERFERENCE WITH LOCATION OF STRUCTURE AND OTHER BUILDING SYSTEMS.
- e) FLOOR, WALL AND ROOF SLEEVES.
- f) NEW SUPPORT DEVICES, TRIM AND ACCESSORIES.
- INSULATIONS FOR DUCTWORK. INCLUDE ALL MINOR ITEMS OF WORK NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIVE HVAC SYSTEMS WHETHER SPECIFICALLY SHOWN OR NOT.
- i) ALL NECESSARY OFFSETS IN PIPING, FITTINGS, DUCTWORK, ETC. REQUIRED TO AVOID INTERFERENCES BETWEEN PIPING, EQUIPMENT, STRUCTURAL AND ARCHITECTURAL WORK ARE NOT SHOWN BUT SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- 2. FURNISH ALL MATERIALS, LABOR, TOOLS, TRANSPORTATION, INCIDENTALS AND APPURTENANCES TO COMPLETE IN EVERY DETAIL AND LEAVE IN WORKING ORDER ALL ITEMS OF WORK CALLED FOR HEREIN OR SHOWN ON THE ACCOMPANYING DRAWINGS.
- a) PROVIDE ALL DUCTING, AIR HANDLING EQUIPMENT, AIR CONDENSING EQUIPMENT, FRESH AIR VENTING, REFRIGERANT PIPING, FITTINGS, HANGERS AND SUPPORTS, INSULATION, THERMOSTATS, LOW VOLTAGE WIRING, REFRIGERANT, EXHAUST FANS AND DUCTING, CONDENSATE DRAIN SYSTEM, FIRE DAMPERS, AIR CONTROL DAMPERS, AIR DEVICES (GRILLES, LOUVERS AND DIFFUSERS), TESTING, BALANCING AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED FOR A COMPLETE, FUNCTIONAL CONDITIONED AIR SYSTEM.
- b) ALL MATERIAL USED IN CONSTRUCTION DESCRIBED HEREINAFTER SHALL BE THE BEST OF THEIR RESPECTIVE KINDS. 3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE OBC CHAPTER 28, 2017, THE OHIO
- MECHANICAL CODE (OMC) 2017, AND THE INTERNATIONAL FUEL GAS CODE (IFGC).
- 4. SLEEVES: FURNISH AND DIMENSIONALLY LOCATE FOR INSTALLATION BY THE GENERAL CONTRACTOR UNLESS AGREED UPON OTHERWISE.
- 5. WEATHER-PROOFING THE EXTERIOR FACE OF EXTERIOR WALLS AT SLEEVES IS BY THE GENERAL CONTRACTOR; SEALING THE INTERIOR FACE OF EXTERIOR WALLS, BOTH SIDES OF INTERIOR WALLS AND AT INTERIOR FLOOR ASSEMBLIES WILL BE PERFORMED BY THIS CONTRACTOR.
- 6. PROVIDE ACCESS DOOR(S) AS REQUIRED FOR FUTURE ACCESS TO WORK. COORDINATE
- LOCATION(S) WITH ENGINEER. REFERENCE HVAC DRAWINGS FOR SPECIFIC REQUIREMENTS. 1. PROVIDE TEMPORARY WATERPROOFING OF PENETRATIONS THROUGH THE ROOF AND
- EXTERIOR WALLS
- 8. REFERENCE DIVISION OF OF THE GENERAL NOTES AND THE HVAC DRAWINGS FOR SEALANT REQUIREMENTS.
- 9. AS PART OF PROJECT CLOSE-OUT, CONDUCT TRAINING WITH THE OWNER OF THE INSTALLED SYSTEMS. INCLUDE MAINTENANCE REQUIREMENTS, THERMOSTAT PROGRAMMING, FILTER CHANGING/CLEANING, ETC.
- d. DRAWINGS
- I. HVAC WORK SHOWN ON THE DRAWINGS, AND THE GENERAL NOTES SHOWN ON THE DRAWINGS, NUMBERED WITH THE PREFIX "H" AND "GN" ARE PART OF THIS WORK. EXAMINE ALL OTHER CONTRACT DOCUMENT DRAWINGS AND GENERAL NOTES SECTIONS FOR ADDITIONAL HVAC WORK
- 2. THE DRAWINGS AS PREPARED ARE IN GENERAL DIAGRAMMATIC. AND, BY THEIR NATURE ARE NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL OR EVERY PIPE, FITTING OR VALVE IN ITS EXACT LOCATION. THE EXACT LOCATIONS OF ALL PIPING, DUCTS AND COMPONENTS SHALL
- BE DETERMINED BY THE STRUCTURE AND THE WORK OF OTHER TRADES. e. METHODS, INSTALLATION AND WORKMANSHIP SHALL COMPLY WITH PROVISIONS OF THE FOLLOWING CODES AND STANDARDS:
- I. AIR CONDITIONING CONTRACTORS OF AMERICA (ACCA) 2. AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE (AHRI)
- 3. AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL (AMCA)
- 4. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- 5. AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS (ASHRAE)
- 6. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- 1. AMERICAN SOCIETY OF SAFETY ENGINEERS (ASSE)
- 8. AMERICAN SOCIETY OF SANITARY ENGINEERS (ASSE) 9. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
- IO. AMERICAN WELDING SOCIETY (AWS)
- II. AMERICAN WATER WORKS ASSOCIATION (AWWA)
- 12. CANADIAN ENGINEERING STANDARDS ASSOCIATION (CSA)
- 13. CONSUMER PRODUCTS SAFETY COMMISSION (CPSC)
- 14. DEPARTMENT OF LABOR (DOL)
- 15. FEDERAL SPECIFICATIONS (FS)
- 16. INTERNATIONAL CODE COUNCIL, INC. (ICC) 17. INTERNATIONAL FUEL GAS CODE (IFGC)
- 18. INTERNATIONAL INSTITUTE OF AMMONIA REFRIGERATION (IIAR)
- 19. MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE & FITTINGS INDUSTRY, INC. (MSS)
- 20. NORTH AMERICAN INSULATION MANUFACTURERS ASSOCIATION (NAIMA) 21. NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS (NBBI)
- 22. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- a) NATIONAL ELECTRICAL CODE (NEC)
- 23. NATIONAL SANITATION FOUNDATION (NSF)
- 24. SHEET METAL & AIR-CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA)
- 25. UNDERWRITERS' LABORATORIES (UL) 26. U. S. DEPARTMENT OF ENERGY (DOE - ENERGY STAR PROGRAM)
- 27. U. S. PRODUCTS STANDARDS (USPS)
- F. CUTTING AND PATCHING
- I. ALL CUTTING OF WALLS, FLOORS, CEILING, ETC., TO PERMIT THE INSTALLATION OF THE HVAC WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS AGREED UPON OTHERWISE
- 2. NO STRUCTURAL MEMBER WILL BE CUT INTO WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER.

2300. BASIC HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) SYSTEMS REQUIREN

- 3. FURNISH THE GENERAL CONTRACTOR LOCATIONS AND SIZES OF ALL OP THE INSTALLATION OF ANY WORK BEFORE BEGINNING ANY CONSTRUCTION. TO CUT INTO NEW WORK BECAUSE OF THE FAILURE OF THIS CONTRACTOR GENERAL CONTRACTOR, THEN THE GENERAL CONTRACTOR SHALL DO THE NECESSARY CUTTING AND PATCHING AT THIS CONTRACTOR'S EXPENSE.
- q. COORDINATION
- COORDINATE THE SHUT-OFF AND DISCONNECTION OF EXISTING HVAC EQUIPMENT AND COMPONENTS WITH OWNER, AND WITH THE UTILITY PROVIDER WHERE REQUIRED. 2. PERFORM DEMOLITION IN PHASES AS SCHEDULED OR INDICATED.
- COORDINATE CHASES, SLOTS, INSERTS, SLEEVES, AND OPENINGS FOR HVAC SUPPORTS, PIPING AND DUCTWORK WITH THE GENERAL CONTRACTOR.
- 4. COORDINATE LOCATION OF ACCESS PANELS AND DOORS FOR HVAC COMPONENTS THAT ARE CONCEALED BEHIND FINISHED SURFACES AND REQUIRE ACCESS.
- a) THIS CONTRACTOR SHALL FURNISH TO THE ELECTRICAL CONTRACTOR ALL WIRING
- DIAGRAMS REQUIRED TO CONNECT HVAC EQUIPMENT, DEVICES OR COMPONENTS. b) CONTROL AND INTERLOCK WIRING SHALL BE BY THIS CONTRACTOR. 6. COORDINATE INSTALLING LARGE EQUIPMENT THAT REQUIRES POSITIONING BEFORE "CLOSING-IN"
- 7. EXCAVATING WORK:
- a) THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, SHORING, BRACING, EQUIPMENT AND LABOR FOR ALL EXCAVATING AND EARTH MOVING WORK FOR THE PROPOSED HVAC SYSTEMS UNLESS AGREED UPON OTHERWISE WITH THE GENERAL CONTRACTOR.
- 8. THE OWNER, ENGINEER OR ARCHITECT RESERVES THE RIGHT TO MAKE MINOR CHANGES IN LOCATION WHICH DO NOT REQUIRE ADDITIONAL LABOR, MATERIAL OR CONTRACT TIME UP TO THE TIME OF ROUGHING-IN WITHOUT ADDITIONAL COST.
- h. JOINT SEALANTS I. FURNISH AND APPLY ALL JOINTS SEALANTS AS REQUIRED FOR A WATER-TIGHT SYSTEM IN ACCORDANCE WITH THE OBC AND MANUFACTURER'S INSTRUCTIONS. REFER TO DIVISION OT
- REQUIREMENTS TESTING AND SYSTEM AIR BALANCING
- REQUIREMENTS
- DEMONSTRATE THAT ALL HVAC SYSTEMS AND EQUIPMENT OPERATES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- 3. PERFORM SYSTEMS AIR BALANCING TESTS IN CONNECTION WITH THIS WORK IN THE PRESENCE OF THE ENGINEER.
- 4. DELIVER ALL PERFORMANCE TESTS, BALANCING TESTS AND INSPECTION CERTIFICATES TO THE OWNER'S REPRESENTATIVE, THE ENGINEER AND THE ARCHITECT.
- WARRANTY ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND/OR MATERIALS. SHOULD ANY DEFECTS DEVELOP WITHIN A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE HAS BEEN MADE, CORRECT THEM AND REPAIR ANY DAMAGE THAT RESULTED FROM SAME AT NO ADDITIONAL COST.
- I. TEST ALL EQUIPMENT IN ACCORDANCE WITH OBC REQUIREMENTS AND THE MANUFACTURER'S
- 2. PERFORM TESTS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE AND THE ENGINEER

- WARRANTY

- 5. ELECTRICAL WORK:
- IN THE BUILDING.

DIVISION 26 - ELECTRICAL

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NOTE REFER TO THE ELECTRICAL DRAWINGS, AS PREPARED BY XPERT ENGINEERING, LLC, FOR ADDITIONAL ELECTRICAL SPECIFICATIONS AND INFORMATION. WHERE THOSE ELECTRICAL REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT REQUIREMENT SHALL APPLY. 2600. BASIC ELECTRICAL SYSTEMS REQUIREMENTS a. RELATED DOCUMENTS

- INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPECIFICATION SECTIONS, APPLY TO THIS SECTION.
- b. SUMMARY I. THE GENERAL CONTRACTOR MUST COORDINATE THE WORK OF ALL TRADES, INCLUDING THE ELECTRICAL TRADE.
- 2. THE ELECTRICAL CONTRACTOR (HEREAFTER REFERRED TO AS THE CONTRACTOR) SHALL FURNISH ALL MATERIALS AND PERFORM ALL LABOR FOR WORK OF DIVISION - 26 UNLESS SPECIFIED OTHERWISE.
- a) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE WORK PERFORMED, ALTHOUGH SAID LAW, RULE OR REGULATION IS NOT IDENTIFIED HEREIN.
- b) THE CONTRACTOR SHALL CALL FOR ALL INSPECTIONS REQUIRED UNLESS SPECIFIED OTHERWISE THE CONTRACTOR IS REQUIRED TO READ THESE GENERAL NOTES COVERING ALL BRANCHES
- OF THE WORK AND WILL BE HELD RESPONSIBLE FOR COORDINATION OF HIS WORK WITH THE WORK PERFORMED UNDER ALL OTHER TRADES/CONTRACTS 4. THE CONTRACTOR SHALL BE QUALIFIED AND CAPABLE OF INSTALLING THE PROPOSED
- SYSTEMS. 5. FURNISH SHOP DRAWINGS AND/OR SUBMITTALS IN ACCORDANCE WITH THE REQUIREMENTS OF
- DIVISION OI GENERAL REQUIREMENTS. a) THE GENERAL CONTRACTOR SHALL CHECK, APPROVE AND SIGN ALL SHOP DRAWINGS. SHOP DRAWINGS NOT SIGNED AND APPROVED BY THE GENERAL CONTRACTOR WILL BE RETURNED
- b) THIS CONTRACTOR SHALL PROVIDE RECORD DOCUMENTS TO THE ENGINEER AND ARCHITECT.
- c) FURNISH DETAILED DRAWINGS AND MANUFACTURER'S CATALOG DATA SHEETS OR THE FOLLOWING
- I) ELECTRIC PANEL BOARDS AND BREAKERS
- 2) INTERIOR AND EXTERIOR 3) WIRING AND CABLING
- 4) BOXES AND DEVICES

c. GENERAL

I. PROVIDE THE COMPLETE ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, WIRING, DEVICES, LIGHTING FIXTURES, EQUIPMENT AND ACCESSORIES. WORK TO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- a) REMOVING AND RELOCATING EXISTING ELECTRICAL DEVICES, LIGHTING AND COMPONENTS. b) MODIFY AND/OR EXTEND EXISTING SERVICES TO ACCOMMODATE NEW WORK, AND IF REQUIRED, TO RECONNECT EXISTING SYSTEMS TO REMAIN.
- c) REMOVE AND/OR ABANDON EXISTING CONDUITS, BOXES, DEVICES, AND FIXTURES NO
- LONGER REQUIRED d) COORDINATE LOCATION OF NEW ELECTRICAL SYSTEMS TO AVOID INTERFERENCE WITH LOCATION OF STRUCTURE AND OTHER BUILDING SYSTEMS.
- e) FLOOR, WALL AND ROOF SLEEVES.
- f) NEW SUPPORT DEVICES, TRIM AND ACCESSORIES.
- I) INCLUDE ALL MINOR ITEMS OF WORK NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIVE ELECTRICAL SYSTEM WHETHER SPECIFICALLY SHOWN OR NOT.
- ALL NECESSARY OFFSETS IN BOXES, CONDUITS, FITTINGS, ETC., REQUIRED TO AVOID INTERFERENCES BETWEEN CONDUITS, EQUIPMENT, STRUCTURAL AND ARCHITECTURAL WORK ARE NOT SHOWN BUT SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- 2. FURNISH ALL MATERIALS, LABOR, TOOLS, TRANSPORTATION, INCIDENTALS AND APPURTENANCES TO COMPLETE IN EVERY DETAIL AND LEAVE IN WORKING ORDER ALL ITEMS
- OF WORK CALLED FOR HEREIN OR SHOWN ON THE ACCOMPANYING DRAWINGS. a) PROVIDE ALL ELECTRICAL EQUIPMENT. BOXES, WIRING, CONDUIT, FITTINGS, HANGERS AND SUPPORTS, EXHAUST FANS, LIGHTING FIXTURES, DEVICES, TESTING, AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED FOR A COMPLETE, FUNCTIONAL ELECTRICAL SYSTEM.
- b) ALL MATERIAL USED IN CONSTRUCTION DESCRIBED HEREINAFTER SHALL BE THE BEST OF THEIR RESPECTIVE KINDS. 3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE OBC CHAPTER 27, 2017, NFPA 10
- NATIONAL ELECTRICAL CODE (NEC) NFPA IOI LIFE SAFETY CODE AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1971 AND ALL AMENDMENTS THERETO. 4. SLEEVES: FURNISH AND DIMENSIONALLY LOCATE FOR INSTALLATION BY THE GENERAL CONTRACTOR UNLESS AGREED UPON OTHERWISE.
- 5. WEATHER-PROOFING THE EXTERIOR FACE OF EXTERIOR WALLS AT SLEEVES IS BY THE GENERAL CONTRACTOR: SEALING THE INTERIOR FACE OF EXTERIOR WALLS, BOTH SIDES OF INTERIOR WALLS AND AT INTERIOR FLOOR ASSEMBLIES WILL BE PERFORMED BY THIS CONTRACTOR
- 6. PROVIDE ACCESS DOOR(S) AS REQUIRED FOR FUTURE ACCESS TO WORK. COORDINATE LOCATION(S) WITH ENGINEER. REFERENCE ELECTRICAL DRAWINGS FOR SPECIFIC
- REQUIREMENTS. 1. PROVIDE TEMPORARY WATERPROOFING OF PENETRATIONS THROUGH THE ROOF AND EXTERIOR WALLS.
- 8. REFERENCE DIVISION OT OF THE GENERAL NOTES AND THE ELECTRICAL DRAWINGS FOR
- SEALANT REQUIREMENTS. 9. AS PART OF PROJECT CLOSE-OUT, CONDUCT TRAINING WITH THE OWNER OF THE INSTALLED SYSTEMS. INCLUDE MAINTENANCE REQUIREMENTS FOR ALL ELECTRICAL COMPONENTS.
- d. DRAWINGS I. ELECTRICAL WORK SHOWN ON THE DRAWINGS, AND THE GENERAL NOTES SHOWN ON THE
- DRAWINGS, NUMBERED WITH THE PREFIX "E" AND "GN" ARE PART OF THIS WORK. EXAMINE ALL OTHER CONTRACT DOCUMENT DRAWINGS AND GENERAL NOTES SECTIONS FOR ADDITIONAL ELECTRICAL WORK.
- 2. THE DRAWINGS AS PREPARED ARE IN GENERAL DIAGRAMMATIC. AND, BY THEIR NATURE ARE NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL OR EVERY CONDUIT OR FITTING IN ITS EXACT LOCATION. THE EXACT LOCATIONS OF ALL ELECTRICAL COMPONENTS SHALL BE DETERMINED BY THE STRUCTURE AND THE WORK OF OTHER TRADES.
- e. METHODS, INSTALLATION AND WORKMANSHIP SHALL COMPLY WITH PROVISIONS OF THE FOLLOWING CODES AND STANDARDS:
- . AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) 2. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- 3. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
- 4. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
- 5. INSULATED CABLE ENGINEERS ASSOCIATION (ICEA)
- 6. NATIONAL ELECTRICAL CONTRACTOR'S ASSOCIATION (NECA)
- a) STANDARD OF INSTALLATION 7. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA)
- 8. NATIONAL ELECTRICAL SAFETY CODE (NESC)
- 9. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
- IO. CONSUMER PRODUCTS SAFETY COMMISSION (CPSC)
- II. FEDERAL SPECIFICATIONS (FS)
- 12. INTERNATIONAL CODE COUNCIL, INC. (ICC) 13. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- a) NATIONAL ELECTRICAL CODE (NEC)
- 14. OHIO BUILDING CODE, 2017 EDITION
- 15. UNDERWRITERS' LABORATORIES, INC. (UL) 16. U. S. DEPARTMENT OF ENERGY (DOE - ENERGY STAR PROGRAM)
- 17. U. S. PRODUCTS STANDARDS (USPS)
- F. CUTTING AND PATCHING
- I. ALL CUTTING OF WALLS, FLOORS, CEILING, ETC., TO PERMIT THE INSTALLATION OF THE ELECTRICAL WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS AGREED
- UPON OTHERWISE. 2. NO STRUCTURAL MEMBER WILL BE CUT INTO WITHOUT THE EXPRESSED WRITTEN PERMISSION OF
- THE STRUCTURAL ENGINEER. 3. FURNISH THE GENERAL CONTRACTOR LOCATIONS AND SIZES OF ALL OPENINGS REQUIRED FOR THE INSTALLATION OF ANY WORK BEFORE BEGINNING ANY CONSTRUCTION. IF IT IS NECESSARY TO CUT INTO NEW WORK BECAUSE OF THE FAILURE OF THIS CONTRACTOR TO NOTIFY THE GENERAL CONTRACTOR, THEN THE GENERAL CONTRACTOR SHALL DO THE NECESSARY CUTTING AND PATCHING AT THIS CONTRACTOR'S EXPENSE.
- q. COORDINATION COORDINATE THE SHUT-OFF AND DISCONNECTION OF EXISTING ELECTRICAL EQUIPMENT AND COMPONENTS WITH OWNER, AND WITH THE UTILITY PROVIDER WHERE REQUIRED. 2. PERFORM DEMOLITION IN PHASES AS SCHEDULED OR INDICATED.
- 3. COORDINATE CHASES, SLOTS, INSERTS, SLEEVES, AND OPENINGS FOR ELECTRICAL SUPPORTS,
- CONDUITS, AND DEVICES WITH THE GENERAL CONTRACTOR. 4. COORDINATE LOCATION OF ACCESS PANELS AND DOORS FOR ELECTRICAL ITEMS THAT ARE
- CONCEALED BEHIND FINISHED SURFACES AND REQUIRE ACCESS.
- 5. COORDINATE LOW VOLTAGE CONTROLS AND INTERLOCK WIRING WITH HVAC CONTRACTOR. 6. COORDINATE INSTALLING LARGE EQUIPMENT THAT REQUIRES POSITIONING BEFORE "CLOSING-IN" IN THE BUILDING.

2600. BASIC ELECTRICAL SYSTEMS REQUIREMENTS (CONTINUED) 7. EXCAVATING WORK:

- a) THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, SHORING, BRACING, EQUIPMENT AND LABOR FOR ALL EXCAVATING AND EARTH MOVING WORK FOR THE PROPOSED ELECTRICAL SYSTEMS UNLESS AGREED UPON OTHERWISE WITH THE GENERAL CONTRACTOR.
- 8. THE OWNER, ENGINEER OR ARCHITECT RESERVES THE RIGHT TO MAKE MINOR CHANGES IN LOCATION WHICH DO NOT REQUIRE ADDITIONAL LABOR, MATERIAL OR CONTRACT TIME UP TO THE TIME OF ROUGHING-IN WITHOUT ADDITIONAL COST. h. JOINT SEALANTS
- I. FURNISH AND APPLY ALL JOINTS SEALANTS AS REQUIRED FOR A WATER-TIGHT SYSTEM II ACCORDANCE WITH THE OBC AND MANUFACTURER'S INSTRUCTIONS. REFER TO DIVISION OT REQUIREMENTS.
- I. SPECIFIC PROHIBITIONS I. CEILING GRID SYSTEMS SHALL NOT BE USED TO SUPPORT LIGHTING FIXTURES, ELECTRICAL CONDUIT OR OTHER ELECTRICAL ITEMS. NEW ELECTRICAL WORK AND THE CEILING GRID SYSTEM SHALL BE SEPARATE INSTALLATIONS AND EACH SHALL BE INDEPENDENTLY SUPPORTED. THIS CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL NOT BE LOCATED WHERE THEY INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, LIGHT FIXTURES AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT ITEMS.
- 2. PROVIDE A MINIMUM OR TWO (2) HANGER WIRES SIMILAR TO CEILING GRID HANGER WIRES FROM OPPOSITE CORNERS OF RECESSED LAY-IN LIGHTING FIXTURES. TESTING I. TEST ALL EQUIPMENT IN ACCORDANCE WITH OBC REQUIREMENTS AND THE MANUFACTURER'S
- REQUIREMENTS. 2. PERFORM TESTS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE AND THE ENGINEER.
- DEMONSTRATE THAT ALL ELECTRICAL SYSTEMS AND EQUIPMENT OPERATES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. 3. DELIVER ALL PERFORMANCE TESTS AND INSPECTION CERTIFICATES TO THE OWNER'S REPRESENTATIVE, THE ENGINEER AND THE ARCHITECT.

DAMAGE THAT RESULTED FROM SAME AT NO ADDITIONAL COST.

WARRANTY I. WARRANTY ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND/OR MATERIALS. SHOULD ANY DEFECTS DEVELOP WITHIN A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE HAS BEEN MADE, CORRECT THEM AND REPAIR ANY

DIVISION 27 - COMMUNICATIONS

NOTE

REFER TO THE ELECTRICAL DRAWINGS, AS PREPARED BY XPERT ENGINEERING, LLC, FOR ADDITIONAL COMMUNICATIONS SPECIFICATIONS AND INFORMATION. WHERE THOSE COMMUNICATIONS REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT REQUIREMENT SHALL APPLY.

2100. BASIC COMMUNICATIONS SYSTEMS REQUIREMENTS a. RELATED DOCUMENTS

- INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPECIFICATION SECTIONS, APPLY TO THIS SECTION.
- b. SUMMARY I. THE GENERAL CONTRACTOR MUST COORDINATE THE WORK OF ALL TRADES, INCLUDING THE ELECTRICAL TRADE.
- 2. THE ELECTRICAL CONTRACTOR (HEREAFTER REFERRED TO AS THE CONTRACTOR) SHALL FURNISH ALL MATERIALS AND PERFORM ALL LABOR FOR WORK OF DIVISION - 27 UNLESS SPECIFIED OTHERWISE
- a) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE. AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE WORK PERFORMED, ALTHOUGH SAID LAW, RULE OR REGULATION IS NOT IDENTIFIED HEREIN.
- b) THE CONTRACTOR SHALL CALL FOR ALL INSPECTIONS REQUIRED UNLESS SPECIFIED OTHERWISE 3. THE CONTRACTOR IS REQUIRED TO READ THESE GENERAL NOTES COVERING ALL BRANCHES
- OF THE WORK AND WILL BE HELD RESPONSIBLE FOR COORDINATION OF HIS WORK WITH THE WORK PERFORMED UNDER ALL OTHER TRADES/CONTRACTS. 4. THE CONTRACTOR SHALL BE QUALIFIED AND CAPABLE OF INSTALLING THE PROPOSED
- SYSTEMS 5. FURNISH SHOP DRAWINGS AND/OR SUBMITTALS IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION - OI GENERAL REQUIREMENTS.
- a) THE GENERAL CONTRACTOR SHALL CHECK, APPROVE AND SIGN ALL SHOP DRAWINGS. SHOP DRAWINGS NOT SIGNED AND APPROVED BY THE GENERAL CONTRACTOR WILL BE RETURNED
- b) THIS CONTRACTOR SHALL PROVIDE RECORD DOCUMENTS TO THE ENGINEER AND ARCHITECT.
- c. GENERAL PROVIDE THE COMPLETE COMMUNICATIONS SYSTEMS TO INCLUDE DEVICES, UTP CABLE, CABLE HARDWARE, EQUIPMENT AND ACCESSORIES. WORK TO INCLUDE, BUT IS NOT LIMITED TO,
 - THE FOLLOWING: a) REMOVING AND RELOCATING EXISTING COMMUNICATION DEVICES AND COMPONENTS.
 - b) MODIFY AND/OR EXTEND EXISTING SERVICES TO ACCOMMODATE NEW WORK, AND IF REQUIRED, TO RECONNECT EXISTING SYSTEMS TO REMAIN.
 - c) REMOVE AND/OR ABANDON EXISTING CABLES, BOXES, DEVICES, AND EQUIPMENT NO LONGER REQUIRED.
 - d) COORDINATE LOCATION OF NEW COMMUNICATIONS SYSTEMS TO AVOID INTERFERENCE WITH LOCATION OF STRUCTURE AND OTHER BUILDING SYSTEMS. e) FLOOR, WALL AND ROOF SLEEVES.
 - F) NEW SUPPORT DEVICES, TRIM AND ACCESSORIES
 - INCLUDE ALL MINOR ITEMS OF WORK NECESSARY TO PROVIDE A COMPLETE AND FULLY
 - OPERATIVE ELECTRICAL SYSTEM WHETHER SPECIFICALLY SHOWN OR NOT. ALL NECESSARY OFFSETS IN BOXES, CONDUITS, FITTINGS, ETC., REQUIRED TO AVOID INTERFERENCES BETWEEN CONDUITS, EQUIPMENT, STRUCTURAL AND ARCHITECTURAL WORK ARE NOT SHOWN BUT SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- 2. FURNISH ALL MATERIALS, LABOR, TOOLS, TRANSPORTATION, INCIDENTALS AND APPURTENANCES TO COMPLETE IN EVERY DETAIL AND LEAVE IN WORKING ORDER ALL ITEMS OF WORK CALLED FOR HEREIN OR SHOWN ON THE ACCOMPANYING DRAWINGS.
- a) PROVIDE ALL COMMUNICATIONS EQUIPMENT, CABLING, DEVICES, HARDWARE, HANGERS AND SUPPORTS, TESTING, AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED FOR A COMPLETE, FUNCTIONAL COMMUNICATIONS SYSTEM.
- b) ALL MATERIAL USED IN CONSTRUCTION DESCRIBED HEREINAFTER SHALL BE THE BEST OF THEIR RESPECTIVE KINDS. 3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE OBC CHAPTER 21, 2017, NFPA 10
- NATIONAL ELECTRICAL CODE (NEC) NFPA IOI LIFE SAFETY CODE AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1971 AND ALL AMENDMENTS THERETO. 4. SLEEVES: FURNISH AND DIMENSIONALLY LOCATE FOR INSTALLATION BY THE GENERAL
- CONTRACTOR UNLESS AGREED UPON OTHERWISE 5. WEATHER-PROOFING THE EXTERIOR FACE OF EXTERIOR WALLS AT SLEEVES IS BY THE GENERAL CONTRACTOR; SEALING THE INTERIOR FACE OF EXTERIOR WALLS, BOTH SIDES OF INTERIOR WALLS AND AT INTERIOR FLOOR ASSEMBLIES WILL BE PERFORMED BY THIS
- CONTRACTOR. 6. PROVIDE ACCESS DOOR(S) AS REQUIRED FOR FUTURE ACCESS TO WORK. COORDINATE LOCATION(S) WITH ENGINEER. REFERENCE ELECTRICAL DRAWINGS FOR SPECIFIC
- REQUIREMENTS. 7. PROVIDE TEMPORARY WATERPROOFING OF PENETRATIONS THROUGH THE ROOF AND EXTERIOR WALLS.
- 8. REFERENCE DIVISION 07 OF THE GENERAL NOTES AND THE ELECTRICAL DRAWINGS FOR
- SEALANT REQUIREMENTS. 9. AS PART OF PROJECT CLOSE-OUT, CONDUCT TRAINING WITH THE OWNER OF THE INSTALLED SYSTEMS. INCLUDE MAINTENANCE REQUIREMENTS FOR ALL COMMUNICATIONS COMPONENTS.
- d. DRAWINGS I. COMMUNICATION WORK SHOWN ON THE DRAWINGS, AND THE GENERAL NOTES SHOWN ON THE DRAWINGS, NUMBERED WITH THE PREFIX "E" AND "GN" ARE PART OF THIS WORK. EXAMINE ALL OTHER CONTRACT DOCUMENT DRAWINGS AND GENERAL NOTES SECTIONS FOR ADDITIONAL COMMUNICATION WORK.
- 2. THE DRAWINGS AS PREPARED ARE IN GENERAL DIAGRAMMATIC. AND, BY THEIR NATURE ARE NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL OR EVERY CABLE OR FITTING IN ITS EXACT LOCATION. THE EXACT LOCATIONS OF ALL COMMUNICATIONS COMPONENTS SHALL BE DETERMINED BY THE STRUCTURE, THE WORK OF OTHER TRADES AND AS DIRECTED BY THE
- e. METHODS, INSTALLATION AND WORKMANSHIP SHALL COMPLY WITH PROVISIONS OF THE FOLLOWING CODES AND STANDARDS:
- I. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- 2. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- 3. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
- 4. ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS (ATIS) 5. BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL (BICSI)
- a) REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER (RCDD)
- 6. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 7. INSULATED CABLE ENGINEERS ASSOCIATION (ICEA)
- 8. NATIONAL ELECTRICAL CONTRACTOR'S ASSOCIATION (NECA)
- a) STANDARD OF INSTALLATION
- 9. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)
- IO. NATIONAL ELECTRICAL SAFETY CODE (NESC)
- II. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
- 12. ELECTRONIC INDUSTRIES ALLIANCE (EIA) 13. CONSUMER PRODUCTS SAFETY COMMISSION (CPSC)
- 14. FEDERAL SPECIFICATIONS (FS)
- 15. INTERNATIONAL CODE COUNCIL, INC. (ICC)
- 16. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- a) NATIONAL ELECTRICAL CODE (NEC)
- 17. OHIO BUILDING CODE, 2017 EDITION
- 18. UNDERWRITERS' LABORATORIES, INC. (UL)
- 19. U. S. PRODUCTS STANDARDS (USPS)

F. IDENTIFICATION I. LABELS: MATCH OWNER'S EXISTING LABELING SYSTEM IN EVERY RESPECT.

- q. HORIZONTAL CABLING
- I. COLOR AND TYPE DESIGNATIONS FOR UTP CABLE: a) DATA AND VOICE: UTP CATEGORY 6; COLOR TO MATCH OWNER'S EXISTING.
- 2. COLOR DESIGNATION FOR UTP INSERTS:
- a) DATA AND VOICE; COLOR TO MATCH OWNER'S EXISTING.
- 3. COLOR DESIGNATION FOR COPPER PATCH CORDS(DEFINED PER TRADE OR SERVICE): a) DATA TO DESKTOP; COLOR TO MATCH OWNER'S EXISTING. b) VOICE: ANALOG LINE, DIGITAL LINE, SPECIAL CIRCUIT AND VOIP; COLOR TO MATCH
- OWNER'S EXISTING. 4. UTP CABLE: DATA UTP CABLE (MATCH OWNER'S EXISTING COMMUNICATIONS SYSTEM FOR CABLING): CATEGORY 6 UTP PLENUM RATED.
- 5. UTP CABLE HARDWARE
- a) ALL ICONS ON INSERT WILL SHOW COMPUTER ICON.
- b) CATEGORY 6 FIXED WALL LOCATIONS AND MODULAR FURNITURE.
- I) FACEPLATE, 2-PORT; COLOR TO MATCH OWNER'S EXISTING. c) CONNECTORS - MATCH EXISTING.
- d) BLANKS MATCH EXISTING.
- e) JACKS CATEGORY 6 (COMMSCOPE No. UNJ600-XX) MATCH OWNER'S EXISTING. 6. PATCH PANEL: WHERE REQUIRED, TO BE COMPATIBLE WITH OWNER'S SYSTEM; MATCH OWNER'S
- a) CATEGORY 6: SIMILAR TO COMMSCOPE No. UNP610-48P.
- 1. VERIFY WITH OWNER THE ABOVE COMPONENTS, EQUIPMENT, ETC., PRIOR TO BEGINNING ANY OF THE WORK.

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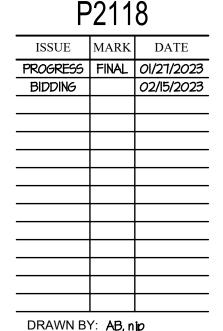
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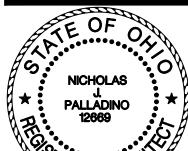
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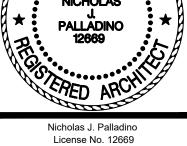
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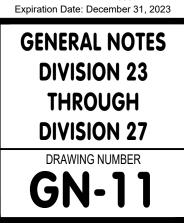
All drawings are and shall be the propert of VPL Architect's, inc., and may not be used, duplicated, or altered without the written consent of the Architect

COMMISSION No.









DIVISION 27 - COMMUNICATIONS, CONTINUED

2100. BASIC COMMUNICATIONS SYSTEMS REQUIREMENTS (CONTINUED)

- h. CUTTING AND PATCHING
- I. ALL CUTTING OF WALLS, FLOORS, CEILING, ETC., TO PERMIT THE INSTALLATION OF THE COMMUNICATION WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS AGREED UPON OTHERWISE
- 2. NO STRUCTURAL MEMBER WILL BE CUT INTO WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. 3. FURNISH THE GENERAL CONTRACTOR LOCATIONS AND SIZES OF ALL OPENINGS REQUIRED FOR
- THE INSTALLATION OF ANY WORK BEFORE BEGINNING ANY CONSTRUCTION. IF IT IS NECESSARY 3100. RELATED DOCUMENTS TO CUT INTO NEW WORK BECAUSE OF THE FAILURE OF THIS CONTRACTOR TO NOTIFY THE GENERAL CONTRACTOR, THEN THE GENERAL CONTRACTOR SHALL DO THE NECESSARY CUTTING AND PATCHING AT THIS CONTRACTOR'S EXPENSE. . COORDINATION
- COORDINATE THE SHUT-OFF AND DISCONNECTION OF EXISTING COMMUNICATION EQUIPMENT AND COMPONENTS WITH OWNER, AND WITH THE UTILITY PROVIDER WHERE REQUIRED
- 2. PERFORM DEMOLITION IN PHASES AS SCHEDULED OR INDICATED. 3. COORDINATE CHASES, SLOTS, INSERTS, SLEEVES, AND OPENINGS FOR COMMUNICATIONS
- CABLING, SUPPORTS, TRAYS, AND DEVICES WITH THE GENERAL CONTRACTOR. 4. COORDINATE LOCATION OF ACCESS PANELS AND DOORS FOR COMMUNICATIONS ITEMS THAT
- ARE CONCEALED BEHIND FINISHED SURFACES AND REQUIRE ACCESS.
- 5. EXCAVATING WORK: a) THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, SHORING, BRACING, EQUIPMENT AND LABOR FOR ALL EXCAVATING AND EARTH MOVING WORK FOR THE PROPOSED HVAC SYSTEMS UNLESS AGREED UPON OTHERWISE WITH THE GENERAL CONTRACTOR.
- 6. THE OWNER, ENGINEER OR ARCHITECT RESERVES THE RIGHT TO MAKE MINOR CHANGES IN LOCATION WHICH DO NOT REQUIRE ADDITIONAL LABOR, MATERIAL OR CONTRACT TIME UP TO
- THE TIME OF ROUGHING-IN WITHOUT ADDITIONAL COST 1. THE OWNER, ENGINEER OR ARCHITECT RESERVES THE RIGHT TO MAKE MINOR CHANGES IN LOCATION WHICH DO NOT REQUIRE ADDITIONAL LABOR, MATERIAL OR CONTRACT TIME UP TO
- THE TIME OF ROUGHING-IN WITHOUT ADDITIONAL COST. JOINT SEALANTS
- FURNISH AND APPLY ALL JOINTS SEALANTS AS REQUIRED FOR A WATER-TIGHT SYSTEM IN ACCORDANCE WITH THE OBC AND MANUFACTURER'S INSTRUCTIONS. REFER TO DIVISION OT REQUIREMENTS.
- k. SPECIFIC PROHIBITION I. CEILING GRID SYSTEMS SHALL NOT BE USED TO SUPPORT COMMUNICATIONS CABLING, OR
- OTHER COMMUNICATIONS ITEMS. NEW COMMUNICATIONS WORK AND THE CEILING GRID SYSTEM SHALL BE SEPARATE INSTALLATIONS AND EACH SHALL BE INDEPENDENTLY SUPPORTED. THIS CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL NOT BE LOCATED WHERE THEY INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, LIGHT FIXTURES AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT ITEMS.
- 2. PROVIDE A MINIMUM OR TWO (2) HANGER WIRES SIMILAR TO CEILING GRID HANGER WIRES FROM OPPOSITE CORNERS OF RECESSED LAY-IN LIGHTING FIXTURES.
- I. TESTING
- I. TEST ALL EQUIPMENT IN ACCORDANCE WITH OBC REQUIREMENTS AND THE MANUFACTURER'S REQUIREMENTS
- 2. GENERAL EVERY CABLING LINK IN THE INSTALLATION SHALL BE TESTED FOR: a) WIRE MAP
- b) LENGTH
- c) INSERTION LOSS
- d) NEXT LOSS
- e) PS NEXT LOSS f) ACR-F LOSS
- a) PS ACR-F LOSS
-) RETURN LOSS
- i) PROPAGATION DELAT
- DELAY SKEW 3. THE INSTALLED TWISTED-PAIR HORIZONTAL LINKS SHALL BE TESTED FROM THE
- TELECOMMUNICATIONS ROOM (I.T. ROOM) TO THE WALL OUTLET IN THE WORK AREA.
- 4. THE TEST PLUG SHALL FALL WITHIN VALUES SPECIFIED IN THE APPLICABLE STANDARD (CAT5e,
- CAT6 OR CAT6a) FOR NEXT LOSS, FEXT LOSS AND RETURN LOSS. 5. CERTIFYING COPPER CABLE
- a) CATEGORY 6
 - I) ALL TESTS SHOULD BE IN ACCORDANCE WITH THE FIELD TEST SPECIFICATIONS DEFINED IN ANSI/TIA/EIA-568-B.2-I "ADDENDUM I - TRANSMISSION PERFORMANCE SPECIFICATIONS FOR 4-PAIR 100 OHM CATEGORY 6 CABLING". THIS DOCUMENT WILL BE REFERRED TO AS THE "CATEGORY 6 STANDARD."
- 2) THE TEST PARAMETERS ARE DEFINED IN THE CATEGORY 6 STANDARD. THE TEST OF EACH LINK SHALL CONTAIN ALL OF THE FOLLOWING PARAMETERS AS DETAILED BELOW. IN ORDER TO PASS THE TEST. ALL MEASUREMENTS (AT EACH FREQUENCY IN THE RANGE FROM I MHZ THROUGH 250 MHZ) MUST MEET OR EXCEED THE LIMIT VALUE DETERMINED IN THE ABOVE-MENTIONED STANDARD.
- 6. ACCEPTANCE OF COPPER TEST RESULTS a) ONE HUNDRED PERCENT OF THE INSTALLED CABLING LINKS MUST PASS THE REQUIREMENTS OF THE APPLICABLE STANDARDS. ANY FAILING LINK MUST BE DIAGNOSED AND CORRECTED. THE CORRECTIVE ACTION SHALL BE FOLLOWED WITH A NEW TEST TO PROVE THAT THE CORRECTED LINK MEETS THE PERFORMANCE REQUIREMENTS. THE FINAL AND PASSING RESULT OF THE TESTS FOR ALL LINKS SHALL BE PROVIDED IN THE FINAL TEST RESULTS DOCUMENTATION, WHICH SHALL BE REVIEWED, APPROVED AND SIGNED BY THE CONTRACTOR.
- b) ACCEPTANCE OF THE TEST RESULTS SHALL BE GIVEN IN WRITING AFTER PROJECT IS FULLY COMPLETED AND TESTED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND TO THE SATISFACTION OF THE OWNER.
- M. WARRANTY
- I. WARRANTY ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND/OR MATERIALS. SHOULD ANY DEFECTS DEVELOP WITHIN A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE HAS BEEN MADE, CORRECT THEM AND REPAIR ANY DAMAGE THAT RESULTED FROM SAME AT NO ADDITIONAL COST.

DIVISION 31 - EARTHWORK

NOTE

- REFER TO THE CIVIL DRAWINGS, AS PREPARED BY RAS CIVIL ENGINEERING, LLC, FOR ADDITIONAL CIVIL ENGINEERING NOTES, SPECIFICATIONS AND INFORMATION. WHERE THOSE CIVIL ENGINEERING REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- a. INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPECIFICATION SECTIONS, APPLY TO THIS SECTION
- b. REFERENCE THE ENTIRE SET OF CONSTRUCTION DOCUMENTS.

3101. DEFINITIONS

- a. BACKFILL: SOIL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL USED TO FILL AN
- EXCAVATION b. BASE COURSE: AGGREGATE LAYER PLACED BETWEEN SUBBASE COURSE AND ASPHALT PAVING. c. BEDDING COURSE: AGGREGATE LAYER PLACED OVER EXCAVATED SUBGRADE IN A TRENCH BEFORE
- LAYING PIPE d. BORROW SOIL: SATISFACTORY SOIL IMPORTED FROM OFF-SITE FOR USE AS FILL OR BACKFILL. e. ENGINEERED FILL: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED
- GRAVEL, CRUSHED STONE AND NATURAL OR CRUSHED SAND, WITH AT LEAST 40 PERCENT PASSING A I-1/2 INCH SIEVE AND NOT MORE THAN 12 PERCENT PASSING A NUMBER 200 SIEVE. . DRAINAGE COURSE: AGGREGATE LAYER SUPPORTING THE SLAB-ON-GRADE THAT ALSO MINIMIZES
- UPWARD CAPILLARY FLOW OF PORE WATER. q. EXCAVATION: REMOVAL OF MATERIAL ENCOUNTERED ABOVE SUBGRADE ELEVATIONS AND TO LINES
- AND DIMENSIONS INDICATED.
- h. FILL: SOIL USED TO RAISE EXISTING GRADES. SUBBASE COURSE: AGGREGATE LAYER PLACED BETWEEN EXCAVATED SUBGRADE AND BASE COURSE AT ASPHALT PAVING OR PLACED BETWEEN EXCAVATED SUBGRADE AND CONCRETE
- PAVING SUBGRADE: UPPERMOST SURFACE OF AN EXCAVATION OR THE TOP SURFACE OF A FILL OR BACKFILL IMMEDIATELY BELOW SUBBASE, DRAINAGE FILL, DRAINAGE COURSE OR TOPSOIL MATERIAL
- K. UNAUTHORIZED EXCAVATION: REMOVAL OF MATERIALS BEYOND INDICATED SUBGRADE ELEVATIONS OR INDICATED LINES AND DIMENSIONS WITHOUT WRITTEN AUTHORIZATION BY THE OWNER. PAYMENT WILL NOT BE MADE FOR UNAUTHORIZED EXCAVATION OR REMEDIAL WORK REQUIRED TO CORRECT UNAUTHORIZED EXCAVATION.
- AUTHORIZED ADDITIONAL EXCAVATION: REMOVAL OF ADDITIONAL MATERIAL AUTHORIZED BY THE CIVIL ENGINEER BASED ON THE DETERMINATION BY THE OWNER'S SOILS TESTING AGENCY THAT UNSUITABLE BEARING MATERIALS ARE ENCOUNTERED AT REQUIRED SUBGRADE ELEVATIONS. REMOVAL OF UNSUITABLE MATERIAL AND ITS REPLACEMENT AS DIRECTED WILL BE REIMBURSED PURSUANT TO THE CONTRACT DOCUMENTS.
- m. ROCK: ROCK MATERIAL IN BEDS, LEDGES, UNSTRATIFIED MASSES, CONGLOMERATE DEPOSITS AND BOULDERS OF ROCK MATERIAL THAT EXCEED I CUBIC YARD FOR BULK EXCAVATION AND 3/4 CUBIC YARD FOR FOOTING, TRENCH AND PIT EXCAVATION THAT CANNOT BE REMOVED BY ROCK EXCAVATING EQUIPMENT WITHOUT SYSTEMATIC DRILLING, RAM HAMMERING, RIPPING OR BLASTING.
- n. CONTAMINATED SOILS: SOIL THAT CONTAINS CONTAMINATES AS DEFINED AND DETERMINED BY THE
- CIVIL ENGINEER OR THE OWNER'S SOILS TESTING AGENCY. O. UNIT OF MEASURE: CUBIC YARD COMPUTED BY THE AVERAGE AREA METHOD FROM CROSS-SECTION TAKEN BEFORE AND AFTER EXCAVATION.
- p. UNSUITABLE MATERIALS
- I. FILL: TOPSOIL; FROZEN MATERIALS; CONSTRUCTION MATERIALS AND MATERIALS SUBJECT TO DECOMPOSITION; CLODS OF CLAY AND STONES LARGER THAN 3 INCHES; ORGANIC MATERIAL, INCLUDING SILTS, WHICH ARE UNSTABLE; AND INORGANIC MATERIALS, INCLUDING SILTS, TOO WET TO BE STABLE AND ANY MATERIAL WITH A LIQUID LIMIT AND PLASTICITY INDEX EXCEEDING 40 AND 15 RESPECTIVELY. UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT AT TIME OF COMPLETION. 2. EXISTING SUBGRADE (EXCEPT FOOTING SUBGRADE): MATERIALS THAT ARE NOT CAPABLE OF
- DIRECT SUPPORT OF SLABS, PAVEMENT AND SIMILAR ITEMS WITH POSSIBLE EXCEPTION OF IMPROVEMENT BY COMPACTION, PROOFROLLING OR SIMILAR METHODS. 3. EXISTING SUBGRADE (FOOTINGS ONLY): NO FILL OR BACKFILL.
- 3103. REFERENCES
- a. REFERENCES FOR MANUFACTURING, TESTING, AND INSTALLATION.
- USE ONLY THE MOST RECENT PUBLISHED/PRINTED STANDARDS.
- b. INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE (ICC/ANSI) ICC/ANSI 117.1, GUIDELINES FOR ACCESSIBLE AND USABLE BUILDING AND FACILITIES c. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
- OSHA 29 CFR 1926.650, EXCAVATION, SCOPE, APPLICATION AND DEFINITIONS 2. OSHA 29 CFR 1926.651, EXCAVATION, SPECIFIC EXCAVATION REQUIREMENTS
- 3. OSHA 29 CFR 1926.652, EXCAVATION, REQUIREMENTS FOR PROTECTIVE SYSTEMS
- d. OHIO DEPARTMENT OF TRANSPORTATION (ODOT) I. ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS
 - 2. ODOT ITEM IOI, DEFINITION AND TERMS
- 3. ODOT ITEM 201, CLEARING AND GRUBBING 4. ODOT ITEM 204, SUBGRADE COMPACTION AND PROOFROLLING
- 5. ODOT ITEM 304, AGGREGATE BASE e. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
- ASTM CTT8, STANDARD SPECIFICATION FOR STANDARD SAND
- 2. ASTM DI24I, STANDARD SPECIFICATION FOR MATERIALS SOIL-AGGREGATE SUBBASE, BASE AND SURFACE COURSES 3. ASTM D2487, STANDARD PRACTICE FOR CLASSIFICATION OF SOILS FOR ENGINEERING
- PURPOSES 4. ASTM D2488, STANDARD PRACTICE FOR DESCRIPTION AND IDENTIFICATION OF SOILS
- (VISUAL-MANUAL PROCEDURE) 5. ASTM D2940, STANDARD SPECIFICATION FOR GRADED AGGREGATE MATERIAL FOR
- SUBBASES 6. ASTM D5268, STANDARD SPECIFICATION FOR TOPSOIL USED FOR LANDSCAPING PURPOSES

3104. MATERIAL

- a. SUBBASE COURSE: ASTM D2940; ITEM 304; NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED STONE GRAVEL, CRUSHED STONE AND NATURAL OR CRUSHED SAND. b. DRAINAGE FILL: WASHED ODOT 703, EVENLY GRADED MIXTURE OF CRUSHED STONE, AGGREGATE GRADING SIZE 57 WITH 100 PERCENT PASSING A 1-1/2 SIEVE AND NOT MORE THAN 5 PERCENT PASSING A No. 8 SIEVE.
- c. GRANULAR FILL: ASTM D2940; ITEM 67; NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL CRUSHED STONE GRAVEL
- d. SOIL FILL AND BACKFILL: ASTM D2487; CLASSIFICATION GW, GP, GM, SW, SP AND SM, ALONE OR IN COMBINATION; FREE OF ROCK LARGER THAN 2 INCHES DIAMETER, DEBRIS, WASTE, VEGETATION AND/OR OTHER DELETERIOUS MATERIAL.
- e. TOPSOIL: UTILIZE EXISTING; AS REQUIRED, PROVIDE NEW FROM ACCEPTABLE OFF-SITE LOCATION.
- 3105. FIELD VERIFICATION a. FIELD DETERMINE AND VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS WHICH AFFECT ANY NEW CONSTRUCTION PRIOR TO THE START OF ANY WORK.
- b. IMMEDIATELY NOTIFY THE OWNER, THE OWNER'S REPRESENTATIVE, THE ARCHITECT, AND THE ENGINEER, IN WRITING, OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD
- CONDITIONS c. DO NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.

- a. WHERE LOOSE BEARING MATERIALS ARE ENCOUNTERED, THE LOOSE MATERIALS SHALL BE OVER-EXCAVATED DOWN TO SUITABLE SOILS. b. THE OVER-EXCAVATED AREA SHALL THEN BE FILLED WITH SATISFACTORY SOIL MATERIALS
- WHICH WILL PRODUCE THE RESULTS OF COMPACTION AND LOAD CARRYING CAPACITY REQUIRED I. THE FILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SECTION 3100.
- 3106. OVER EXCAVATIONS

3107. SITEWORK

PROVIDE THE SITEWORK AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE OBC, OHIO EPA REGULATIONS AND OSHA REGULATIONS. WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, PERMITS (OTHER THAN BUILDING PERMIT), SITE CLEARING; STRIPPING, STOCKPILING AND REDISTRIBUTION OF TOPSOIL, CUT, FILL, DEWATERING, COMPACTION, PROOFROLLING, ROUGH AND FINISH GRADING, BACKFILL, DUST CONTROL, FOUNDATION EXCAVATION, PREPARATION OF SUBGRADES FOR FLEXIBLE AND RIGID PAVINGS AND ALL OTHER ITEMS AND INCIDENTALS REQUIRED TO COMPLETE THE WORK. PROVIDE, MAINTAIN AND REMOVE, AT THE COMPLETION OF ALL WORK, SEDIMENT AND EROSION 3200. RELATED DOCUMENTS

- CONTROL MEASURES REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ) AND THE STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATIONS.
- PROTECT EXISTING TREES, SHRUBS AND OTHER LANDSCAPING ELEMENTS NOT BEING REMOVED С. AS DESIGNATED, AND IF NOT DESIGNATED, AS REQUIRED BY THE OWNER. PROVIDE OFF-SITE, LEGAL DISPOSAL OF ALL DEBRIS, EXCESS SOILS, NON-HAZARDOUS
- CONTAMINATED SOILS AND EXCESS TOPSOIL PROVIDE, MAINTAIN AND REMOVE, AT THE COMPLETION OF CONCRETE OPERATIONS, A FULLY
- ENCAPSULATED COLLECTION AREA FOR CONCRETE TRUCK WASH-OUT. PROVIDE SOIL STABILIZATION / PROTECTION OF DISTURBED AREAS AND STOCKPILED SOILS AS REQUIRED BY THE AHJ AND THE OHIO EPA REGULATIONS.
- PRIOR TO ANY EXCAVATION WORK, LOCATE AND IDENTIFY EXISTING UNDERGROUND AND
- OVERHEAD UTILITIES AND SERVICES IN THE WORK AREA.
- PROVIDE PROTECTION OF ALL UTILITIES SCHEDULED TO REMAIN. FILLS AT FOUNDATIONS, THE BUILDING SLAB-ON-GRADE AND PAVED AREAS SHALL BE PLACED IN NO MORE THAN & INCH LIFTS AND POWER VIBRATOR COMPACTED TO 100 PERCENT OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698 STANDARD PROCTOR METHOD. DURING COMPACTION, MAINTAIN MOISTURE CONTENT NOT GREATER THAN 2 PERCENT ABOVE
- OR BELOW THE OPTIMUM MOISTURE CONTENT. I. FILLS AT LAWNS AND UNPAVED AREAS SHALL BE PLACED IN NO MORE THAN & INCH LIFTS AND POWER VIBRATOR COMPACTED TO 90 PERCENT OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698 STANDARD PROCTOR METHOD.
- I. DURING COMPACTION, MAINTAIN MOISTURE CONTENT NOT GREATER THAN 2 PERCENT ABOVE OR BELOW THE OPTIMUM MOISTURE CONTENT. AT THE COMPLETION OF ALL UNDERGROUND UTILITIES AND BACK-FILL OPERATIONS, PROVIDE
- ROUGH GRADING OF THE SITE THAT ESTABLISHES POSITIVE DRAINING AWAY FROM THE BUILDING. CORRECT PONDING AS REQUIRED FOR THE DURATION OF THE PROJECT.
- THE COMPACTED SUBGRADE AND SUBBASE SHALL BE EXTENDED A MINIMUM 18 INCHES AT THE EDGE OF PAVEMENTS AND A MINIMUM OF 6 INCHES BEYOND THE LAWN SIDE OF SIDEWALKS AND CURBING
- COMPACTED AGGREGATE SUBBASE LIFT THICKNESS IS LIMITED TO & INCHES WHEN USING A VIBRATORY ROLLER WEIGHING MORE THAN 12 TONS, SIX INCHES WHEN THE VIBRATORY ROLLER WEIGHS BETWEEN 10 AND 12 TONS AND 4 INCHES WHEN USING A PLATE COMPACTOR VERSUS A VIBRATORY ROLLER
- AT THE COMPLETION OF CONCRETE PAVING, CURBING AND THE INTERMEDIATE LAYER OF ASPHALT PAVING, PROVIDE BACKFILL, FINISH GRADING AND REDISTRIBUTION OF TOPSOIL. THE SUBGRADES AT PLANTING (MINIMUM 12 INCHES DEPTH) AND LAWN AREAS (MINIMUM SIX
- INCHES DEPTH) ARE TO BE LOOSENED PRIOR TO THE PLACEMENT OF TOPSOIL. 2. THE TOPSOIL SHALL BE REASONABLY FREE OF DEBRIS, ROOTS AND STONES AND DISTRIBUTED TO THE ELEVATIONS INDICATED ON THE DRAWINGS.
- 3. CORRECT PONDING AS REQUIRED FOR THE DURATION OF THE PROJECT OR UNTIL SEEDING OPERATIONS HAVE STARTED. TOLERANCES
- VERIFY ROUGH GRADING SUBGRADE ELEVATION IS WITHIN ONE TENTH OF A FOOT. 2. AGGREGATE SUBBASE FOR PAVING AND SIDEWALKS SHALL BE 3/8 INCHES IN 10 FEET.

DIVISION 32 - EXTERIOR IMPROVEMENTS

NOTE

- REFER TO THE CIVIL DRAWINGS, AS PREPARED BY RAS CIVIL ENGINEERING, LLC, FOR ADDITIONAL CIVIL ENGINEERING NOTES, SPECIFICATIONS AND INFORMATION. WHERE THOSE CIVIL ENGINEERING REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- a. INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPEC APPLY TO THIS SECTION.
- I. PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR THE FOLLOWING: a) CONCRETE MIX DESIGN; REFERENCE GENERAL NOTES SECTION 0301
- b) ADMIXTURES
- c) SEALANTS
- d) SEALER PRODUCT e) ACCESSIBLE PARKING SIGNAGE AND POSTS
- +) TRAFFIC SIGNAGE AND POSTS
- q) PAVEMENT MARKING PAINT
- 3201. REFERENCE THE SITE PLAN AND CIVIL ENGINEERING DRAWINGS FOR SPECIFIC RE SPECIFICATIONS.
- 3202. REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION
 - a. INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE (I. ICC/ANSI II7.I, GUIDELINES FOR ACCESSIBLE AND USABLE BUILDING AND FAC b. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
 - I. OSHA 29 CFR 1926.650, EXCAVATION, SCOPE, APPLICATION AND DEFINITIC
 - 2. OSHA 29 CFR 1926.651, EXCAVATION, SPECIFIC EXCAVATION REQUIREMENTS 3. OSHA 29 CFR 1926.652, EXCAVATION, REQUIREMENTS FOR PROTECTIVE SY
 - c. AMERICAN ASSOCIATION OF STATE HIGHWAYS AND TRANSPORTATION (AASHT
 - I. AASHTO M 154, STANDARD SPECIFICATION FOR AIR-ENTRAINING ADMIXTUR 2. AASHTO M 248, STANDARD SPECIFICATION FOR READY-MIXED WHITE AND PAINTS
 - 3. AASHTO M 320, STANDARD SPECIFICATION FOR PERFORMANCE-GRADED d. OHIO DEPARTMENT OF TRANSPORTATION (ODOT)
 - . ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS
 - 2. ODOT SUPPLEMENT SPECIFICATION 823, LIGHT TRAFFIC ASPHALT MIX COM REQUIREMENTS
 - 3. ODOT ITEM 253, PAVEMENT REPAIR
 - ODOT ITEM 401, ASPHALT CONCRETE PAVEMENTS GENERAL
 - 5. ODOT ITEM 403, ASPHALT CONCRETE QUALITY CONTROL AND ACCEPTAN 6. ODOT ITEM 409, SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JC
 - 7. ODOT ITEM 423, CRACK SEALING, HOT APPLIED
 - 8. ODOT ITEM 441, CONTRACTOR MIX DESIGN AND QUALITY CONTROL GENE 9. ODOT ITEM 451, REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
 - 10. ODOT ITEM 452, NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEME
 - II. ODOT ITEM 499, CONCRETE GENERAL 12. ODOT ITEM 641, PAVEMENT MARKING - GENERAL
 - e. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
 - I. NEMA TO 2, STANDARD FOR ELECTRICAL POLYVINYL CHLORIDE (PVC) CON 2. NEMA TC 3, STANDARD FOR POLYVINYL CHLORIDE (PVC) FITTINGS FOR US
 - CONDUIT AND TUBING 3. NEMA WC 10, POWER CABLES RATED 2000 VOLTS OR LESS FOR THE DIST ELECTRICAL ENERGY
 - f. UNDERWRITERS LABORATORY (UL)
 - I. UL 467, GROUNDING AND BONDING EQUIPMENT
 - 2. UL 514B, CONDUIT, TUBING AND CABLE FITTINGS 3. UL 651, STANDARD SCHEDULE 40 AND 80 RIGID PVC CONDUIT AND FITTING q. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
 - I. NFPA TO, NATIONAL ELECTRIC CODE
 - h. AMERICAN CONCRETE INSTITUTE (ACI)
 - I. ACI IIT, SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION
 - 2. ACI 201, GUIDE TO DURABLE CONCRETE 3. ACI 212, REPORT ON CHEMICAL ADMIXTURES FOR CONCRETE
 - 4. ACI 222R, PROTECTION OF METALS IN CONCRETE AGAINST CORROSION 5. ACI 224, JOINTS IN CONCRETE CONSTRUCTION
 - 6. ACI 301, SPECIFICATION FOR STRUCTURAL CONCRETE
 - 7. ACI 304R, GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING
 - 8. ACI 305R, GUIDE AND STANDARD SPECIFICATION FOR HOT WEATHER CONC 9. ACI 306R, GUIDE AND STANDARD SPECIFICATION FOR COLD WEATHER CO
 - 10. ACI 308, GUIDE FOR CURING CONCRETE
 - II. ACI 308.I, SPECIFICATION FOR CURING CONCRETE 12. ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 - 13. ACI 34TR, GUIDE TO FORMWORK FOR CONCRETE
 - i. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) . CRSI, MANUAL OF STANDARD PRACTICE
 - 2. CRSI, PLACING REINFORCING BARS

- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) I. ASTM AI23, STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) (
- AND STEEL PRODUCTS 2. ASTM A615, STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBO
- CONCRETE REINFORCEMENT 3. ASTM AIO64, STANDARD SPECIFICATION FOR CARBON-STEEL WIRE AND M REINFORCEMENT, PLAIN AND DEFORMED, FOR CONCRETE
- 4. ASTM BI, STANDARD SPECIFICATION FOR HARD-DRAWN COPPER WIRE
- ASTM B3, STANDARD SPECIFICATION FOR SOFT OR ANNEALED COPPER WII 6. ASTM B258, STANDARD SPECIFICATION FOR NOMINAL DIAMETERS AND CRC

NOTE	3203. FURNISH AND INSTALL THE ASPHALT PAVING AS INDICATED ON THE DRAWINGS AND AS NOTED HEREIN, WITH MATERIALS, COMPONENTS, ETC. AS NEEDED FOR A COMPLETE INSTALLATION, AND IN
REFER TO THE CIVIL DRAWINGS, AS PREPARED BY RAS CIVIL ENGINEERING, LLC, FOR ADDITIONAL CIVIL ENGINEERING NOTES, SPECIFICATIONS AND INFORMATION. WHERE THOSE CIVIL ENGINEERING	ACCORDANCE WITH THE OHIO DEPARTMENT OF TRANSPORTATION'S (ODOT) CURRENT EDITION OF SPECIFICATIONS, DETAILS AND MATERIALS SPECIFICATIONS. INCLUDES SUBBASE, INTERMEDIATE COURSE, SURFACE COURSE, PRIME COAT, TACK COAT, PAVEMENT MARKING, BARRICADES FOR
REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT REQUIREMENT SHALL APPLY.	PROTECTION OF THE WORK AND ALL OTHER ITEMS AND INCIDENTALS AS REQUIRED. a. MATERIAL, STANDARD WEIGHT ASSEMBLY
RELATED DOCUMENTS a. INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL	I. AGGREGATE SUBBASE: ODOT ITEM 304; THICKNESS NOTED/SHOWN ON THE CIVIL ENGINEERING DRAWINGS.
AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPECIFICATION SECTIONS, APPLY TO THIS SECTION.	 PRIME COAT: ODOT ITEM 408; APPLIED AT A MINIMUM OF 0.25 GALLONS PER SQUARE YARD OR AS NOTED/SHOWN ON THE CIVIL ENGINEERING DRAWINGS. INTERMEDIATE COURSE: ODOT ITEM 448, TYPE 2; MINIMUM 2-1/2 INCHES THICK OR AS
 I. PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR THE FOLLOWING: a) CONCRETE MIX DESIGN; REFERENCE GENERAL NOTES SECTION 0301 FOR REQUIREMENTS 	NOTED/SHOWN ON THE CIVIL ENGINEERING DRAWINGS. 4. TACK COAT: ODOT ITEM 407; PROVIDE BETWEEN THE INTERMEDIATE AND WEAR COURSES;
b) ADMIXTURES c) SEALANTS	APPLIED AT THE RATE PER ODOT SPECIFICATIONS. 5. SURFACE COURSE: ODOT ITEM 448, TYPE I , MINIMUM I-I/2 INCHES THICK OR AS NOTED/SHOWN ON
d) SEALER PRODUCT e) ACCESSIBLE PARKING SIGNAGE AND POSTS	THE CIVIL ENGINEERING DRAWINGS. 6. PAVEMENT MARKING PAINT: AASHTO M 248; TYPE S, LEAD AND CHROMATE FREE; READY-MIXED ALKYD-RESIN 54 TO 62 PERCENT PIGMENT BY WEIGHT; VISCOSITY 70 TO 40 AT 77 DEGREES F;
-F) TRAFFIC SIGNAGE AND POSTS g) PAVEMENT MARKING PAINT	WHITE FOR NON-ACCESSIBLE SPACES, BLVE FOR ACCESSIBLE SPACES; MINIMUM TOTAL DRY MIL THICKNESS 15.0.
REFERENCE THE SITE PLAN AND CIVIL ENGINEERING DRAWINGS FOR SPECIFIC REQUIREMENTS AND SPECIFICATIONS.	 EMULSIFIED CRACK SEALER: ASTM D6945; HOT APPLIED; NON-RECYCLED FIBER REINFORCED. MATERIAL, HEAVY DUTY ASSEMBLY
REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION	I. AGGREGATE SUBBASE: ODOT ITEM 304; MINIMUM 6 INCHES THICK OR AS NOTED/SHOWN ON THE CIVIL ENGINEERING DRAWINGS.
 INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE (ICC/ANSI) I. ICC/ANSI II7.I, GUIDELINES FOR ACCESSIBLE AND USABLE BUILDING AND FACILITIES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 	 PRIME COAT: ODOT ITEM 408; APPLIED AT A MINIMUM OF 0.25 GALLONS PER SQUARE YARD OR AS NOTED/SHOWN ON THE CIVIL ENGINEERING DRAWINGS. ASPHALT BASE COURSE: ODOT ITEM 301 OR 302; MINIMUM 5-1/2 INCHES THICK OR AS
I. OSHA 29 CFR 1926.650, EXCAVATION, SCOPE, APPLICATION AND DEFINITIONS 2. OSHA 29 CFR 1926.651, EXCAVATION, SPECIFIC EXCAVATION REQUIREMENTS	NOTED/SHOWN ON THE ENGINEERING DRAWINGS. 4. TACK COAT: ODOT ITEM 407; PROVIDE BETWEEN THE INTERMEDIATE AND WEAR COURSES;
3. OSHA 29 CFR 1926.652, EXCAVATION, REQUIREMENTS FOR PROTECTIVE SYSTEMS AMERICAN ASSOCIATION OF STATE HIGHWAYS AND TRANSPORTATION (AASHTO)	APPLIED AT THE RATE PER ODOT SPECIFICATIONS. 5. SURFACE COURSE: ODOT ITEM 404; MINIMUM 1-1/2 INCHES THICK OR AS NOTED/SHOWN ON THE
I. AASHTO M 154, STANDARD SPECIFICATION FOR AIR-ENTRAINING ADMIXTURES FOR CONCRETE 2. AASHTO M 248, STANDARD SPECIFICATION FOR READY-MIXED WHITE AND YELLOW TRAFFIC	CIVIL ENGINEERING DRAWINGS. 6. PAVEMENT MARKING PAINT: AASHTO M 248; TYPE S, LEAD AND CHROMATE FREE; READY-MIXED ALKYD-RESIN 54 TO 62 PERCENT PIGMENT BY WEIGHT; VISCOSITY 70 TO 90 AT 77 DEGREES F;
PAINTS 3. AASHTO M 320, STANDARD SPECIFICATION FOR PERFORMANCE-GRADED ASPHALT BINDER J. OHIO DEPARTMENT OF TRANSPORTATION (ODOT)	WHITE FOR NON-ACCESSIBLE SPACES, BLUE FOR ACCESSIBLE SPACES; MINIMUM TOTAL DRY MIL THICKNESS 15.0.
 OHIO DEPARTMENT OF TRANSFORTATION (ODOT) I. ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS 2. ODOT SUPPLEMENT SPECIFICATION 823, LIGHT TRAFFIC ASPHALT MIX COMPOSITION 	 EMULSIFIED CRACK SEALER: ASTM D6945; HOT APPLIED; NON-RECYCLED FIBER REINFORCED. C. PROVIDE CRACK SEAL MATERIAL, MINIMUM 4 INCHES WIDE, WHERE ASPHALT PAVING ABUTS
REQUIREMENTS 3. ODOT ITEM 253, PAVEMENT REPAIR	DISSIMILAR MATERIAL SUCH AS, BUT NOT LIMITED TO, CURBING, CONCRETE APRONS, ETC. AND ASPHALT PAVING CONSTRUCTION JOINTS.
4. ODOT ITEM 401, ASPHALT CONCRETE PAVEMENTS - GENERAL 5. ODOT ITEM 403, ASPHALT CONCRETE QUALITY CONTROL AND ACCEPTANCE	 d. PROVIDE THE ACCESSIBLE PARKING SIGNAGE AS SHOWN ON THE SITE PLAN AND INDICATED ON SHEET ADA. INSTALLATION SHALL BE IN ACCORDANCE WITH ICC/ANSI AII7.I. e. PAVING SHALL BE EXTENDED A MINIMUM OF 6 INCHES BEYOND THE LAWN SIDE OF EXTRUDED
6. ODOT ITEM 409, SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS 7. ODOT ITEM 423, CRACK SEALING, HOT APPLIED 6. ODOT ITEM 441, CONTRACTOR MIX DESIGN AND CHALITY CONTROL OF SEAL	 8. PAVING SHALL DE EXTENDED A MINIMUM OF 6 INCHES BETOND THE LAWIN SIDE OF EXTRIDED CURBING. 1. THE USE OF RECYCLED ASPHALT MATERIAL IS AN ACCEPTABLE ALTERNATIVE IF APPROVED BY
 ODOT ITEM 44I, CONTRACTOR MIX DESIGN AND QUALITY CONTROL - GENERAL ODOT ITEM 45I, REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT IO. ODOT ITEM 452, NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 	THE CIVIL ENGINEER AND ALL WORK IS PERFORMED IN ACCORDANCE WITH ODOT SPECIFICATIONS. 9. DO NOT PLACE THE SURFACE COURSE UNTIL ALL CONSTRUCTION TRAFFIC HAS CEASED ACCESS TO
II. ODOT ITEM 499, CONCRETE - GENERAL II. ODOT ITEM 499, CONCRETE - GENERAL I2. ODOT ITEM 641, PAVEMENT MARKING - GENERAL	THE SITE. h. DURING TRANSPORT AND PLACEMENT, MAINTAIN THE TEMPERATURE OF ASPHALT MATERIAL PER
8. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) I. NEMA TC 2, STANDARD FOR ELECTRICAL POLYVINYL CHLORIDE (PVC) CONDUIT	ODOT SPECIFICATIONS. I. REFERENCE DIVISION 31 OF THE GENERAL NOTES AND CIVIL DRAWINGS FOR REQUIREMENTS DEDITAINING TO THE PLACEMENT OF GURBAGE MATERIAL
2. NEMA TO 3, STANDARD FOR POLYVINYL CHLORIDE (PVC) FITTINGS FOR USE WITH RIGID PVC CONDUIT AND TUBING	PERTAINING TO THE PLACEMENT OF SUBBASE MATERIAL. j. INTERMEDIATE COARSE TOLERANCE (SMOOTHNESS): NOT EXCEEDING 1/4 INCHES IN 10 FEET TRANSVERSELY AND LONGITUDINALLY
3. NEMA WC 70, POWER CABLES RATED 2000 VOLTS OR LESS FOR THE DISTRIBUTION OF ELECTRICAL ENERGY	k. SURFACE COARSE TOLERANCE (SMOOTHNESS): NOT EXCEEDING 1/8 INCH IN 10 FEET TRANSVERSELY AND LONGITUDINALLY.
. UNDERWRITERS LABORATORY (UL) I. UL 467, GROUNDING AND BONDING EQUIPMENT 2. UL 514B, CONDUIT, TUBING AND CABLE FITTINGS	I. THE SMOOTHNESS OF THE SURFACE COURSE SHALL BE IN COMPLIANCE WITH ODOT PROPOSAL NOTE 420.
3. UL 651, STANDARD SCHEDULE 40 AND 80 RIGID PVC CONDUIT AND FITTINGS A. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	3204. PROVIDE SITE CONCRETE AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS
I. NFPA 70, NATIONAL ELECTRIC CODE . AMERICAN CONCRETE INSTITUTE (ACI)	NEEDED FOR A COMPLETE INSTALLATION. INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, SIDEWALKS, MANHOLE APRONS, EQUIPMENT AND OTHER SPECIALTY PADS, CURBING, SITE LIGHTING BASES, BOLLARD FOUNDATIONS AND FILL, TERMITE TREATMENT OF SOILS AND ALL OTHER ITEMS AND INCIDENTALS AS
 ACI 117, SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS ACI 201, GUIDE TO DURABLE CONCRETE 	REQUIRED.
 ACI 212, REPORT ON CHEMICAL ADMIXTURES FOR CONCRETE ACI 222R, PROTECTION OF METALS IN CONCRETE AGAINST CORROSION 	3205. SITE CONCRETE a. VERIFY ALL REQUIREMENTS WITH THE INFORMATION INDICATED ON THE STRUCTURAL DRAWINGS.
 ACI 224, JOINTS IN CONCRETE CONSTRUCTION ACI 301, SPECIFICATION FOR STRUCTURAL CONCRETE ACI 304R, GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE 	SITE CAST-IN-PLACE CONCRETE
 ACI 305R, GUIDE AND STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING ACI 306R, GUIDE AND STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING 	LOCATION CLASS FC (PSI) CEMENT CEMENT CONTENT RATIO NOTES
IO. ACI 308, GUIDE FOR CURING CONCRETE II. ACI 308.I, SPECIFICATION FOR CURING CONCRETE	BOLLARD FILL I 3,000 517 ENTRAPPED 0.50
12. ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE 13. ACI 347R, GUIDE TO FORMWORK FOR CONCRETE	EQUIPMENT SLABS- WELL-GRADED ON-GRADE / SITE QC-I LIGHTING BASES / 4,000 520 6% +/- 2% 0.41 AGGREGATE / PERMEABILITY 2,000
CONCRETE REINFORCING STEEL INSTITUTE (CRSI) I. CRSI, MANUAL OF STANDARD PRACTICE 2. CRSI, PLACING REINFORCING BARS	SIDEWALKS COULOMBS MAX.
 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) ASTM A123, STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON 	DRIVE - APPROACH APRONS / REFUSE QC-2 4,500 564 6% +/- 2% 0.47 AGGREGATE / ENCLOSURE SLAB
AND STEEL PRODUCTS 2. ASTM A615, STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON-STEEL BARS FOR	COULOMBS MAX.
CONCRETE REINFORCEMENT 3. ASTM A1064, STANDARD SPECIFICATION FOR CARBON-STEEL WIRE AND WELDED WIRE	 b. THICKNESS AND REINFORCING AS INDICATED ON THE DRAWINGS. c. REFERENCE DIVISION 31 OF THE GENERAL NOTES AND CIVIL DRAWINGS FOR REQUIREMENTS
REINFORCEMENT, PLAIN AND DEFORMED, FOR CONCRETE 4. ASTM BI, STANDARD SPECIFICATION FOR HARD-DRAWN COPPER WIRE 5. ACTM P3. CTANDARD SPECIFICATION FOR COPT OR ANNEAL FD. COPPER WIRE	PERTAINING TO THE PLACEMENT OF SUBBASE MATERIAL. d. MATERIAL I. VERIFY ALL REQUIREMENTS WITH THE INFORMATION INDICATED ON THE CIVIL ENGINEERING
 ASTM B3, STANDARD SPECIFICATION FOR SOFT OR ANNEALED COPPER WIRE ASTM B258, STANDARD SPECIFICATION FOR NOMINAL DIAMETERS AND CROSS-SECTIONAL AREAS OF AWG SIZES OF SOLID ROUND WIRES USED AS ELECTRICAL CONDUCTORS 	DRAWINGS AND THE STRUCTURAL DRAWINGS. 2. PORTLAND CEMENT: ASTM CI50, TYPE I.
 ASTM C33, STANDARD SPECIFICATION FOR CONCRETE AGGREGATE ASTM C94, STANDARD SPECIFICATION FOR READY-MIXED CONCRETE 	3. PORTLAND CEMENT, HIGH EARLY STRENGTH: ASTM CI50, TYPE III. 4. GROUND GRANULATED BLAST FURNACE SLAG IN ACCORDANCE WITH ASTM C989; GRADE 100;
9. ASTM CI50, STANDARD SPECIFICATION FOR PORTLAND CEMENT 10. ASTM CI71, STANDARD SPECIFICATION FOR SHEET MATERIALS FOR CURING CONCRETE	LIMITED TO 30 PERCENT OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIAL. 5. COARSE AGGREGATES: ASTM C33; ODOT ITEM 703; FROM ONE SOURCE.
II. ASTM C260, STANDARD SPECIFICATION FOR AIR-ENTRAINING ADMIXTURES FOR CONCRETE I2. ASTM C309, STANDARD SPECIFICATION FOR LIQUID MEMBRANE-FORMING COMPOUNDS FOR	 6. FLY ASH: ASTM C618; TYPE C; LIMITED TO 25 PERCENT OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIAL. 7. FINE AGGREGATES: ASTM C33; ODOT ITEM 103; FROM ONE SOURCE.
CURING CONCRETE 13. ASTM C330, STANDARD SPECIFICATION FOR LIGHTWEIGHT AGGREGATES IN STRUCTURAL CONCRETE	 8. POTABLE WATER: ASTM CI602 AND TESTED IN ACCORDANCE WITH ASTM CI603; FRESH AND FREE OF ACIDS, ALKALIS AND FOREIGN OR ORGANIC MATERIALS; MAXIMUM WATER TO CEMENT
14. ASTM C494, STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE 15. ASTM C618, STANDARD SPECIFICATION FOR COAL FLY ASH AND RAW OR CALCINED NATURAL	RATIO 0.45. 9. ADMIXTURES
POZZOLAN FOR USE IN CONCRETE 16. ASTM CT18, STANDARD SPECIFICATION FOR STANDARD SAND	a) AIR ENTRAINING: ASTM C260; AASHTO M 154 b) WATER-REDUCING: ASTM C494, TYPE A.
17. ASTM CI582, STANDARD SPECIFICATION FOR ADMIXTURES TO INHIBIT CHLORIDE-INDUCED CORROSION OF REINFORCING STEEL IN CONCRETE	c) RETARDING: ASTM C494, TYPE B.d) WATER-REDUCING ACCELERATOR: ASTM C494, TYPE E.
 18. ASTM CI602, STANDARD SPECIFICATION FOR MIXING WATER USED IN THE PRODUCTION OF HYDRAULIC CEMENT CONCRETE 19. ASTM D2301, STANDARD SPECIFICATION FOR VINYL CHLORIDE PLASTIC PRESSURE-SENSITIVE 	e) WATER-REDUCING RETARDER: ASTM C494, TYPE D. f) WATER-REDUCING RETARDING HIGH RANGE ADMIXTURE: ASTM C494, TYPE G.
ELECTRICAL INSULATING TAPE 20.ASTM DI24I, STANDARD SPECIFICATION FOR MATERIALS SOIL-AGGREGATE SUBBASE, BASE	 g) WATER-REDUCING HIGH RANGE ADMIXTURE: ASTM C494, TYPE F. h) SET ACCELERATOR, CORROSION INHIBITING: ASTM C494, TYPE C. h) SUPER REACTICUTER ACTIVICATION CANADARY F.
AND SURFACE COURSES 21. ASTM D2481, STANDARD PRACTICE FOR CLASSIFICATION OF SOILS FOR ENGINEERING	 i) SUPER PLASTICIZER: ASTM C494, TYPE F. IO. ADMIXTURES SHALL CONTAIN CORROSION INHIBITORS AND BE USED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SPECIFICATIONS.
PURPOSES 22. ASTM D2488, STANDARD PRACTICE FOR DESCRIPTION AND IDENTIFICATION OF SOILS	II. EPOXY-COATED WELDED STEEL WIRE FABRIC: PER ASTM A185; SIZE AND LOCATION AS INDICATED ON THE CIVIL ENGINEERING DRAWINGS.
(VISUAL-MANUAL PROCEDURE) 23. ASTM D2564, STANDARD SPECIFICATION FOR SOLVENT CEMENTS FOR POLY VINYL CHLORIDE	12. DEFORMED REINFORCING BARS: ASTM A615, GRADE 60; SIZE AND LOCATION AS INDICATED ON THE CIVIL ENGINEERING DRAWINGS.
(PVC) PLASTIC PIPING SYSTEMS 24.ASTM D2855, STANDARD PRACTICE FOR MAKING SOLVENT-CEMENTED JOINTS WITH POLY VINYL CHLORIDE (PVC) PIPE AND FITTINGS	SPACING, SUFFORTING AND FASTENING REINFORCEMENT IN FLACE. STONES, DRICK AND MOOD
25. ASTM D2940, STANDARD SPECIFICATION FOR GRADED AGGREGATE MATERIAL FOR SUBBASES 26. ASTM D5268, STANDARD SPECIFICATION FOR TOPSOIL USED FOR LANDSCAPING PURPOSES	a MANUFACTURED FROM STEEL, MIRE, PLASTIC OR PRECAST CONCRETE THAT IS OF GREATER
27. ASTM F512, STANDARD SPECIFICATION FOR SMOOTH-WALL POLY VINYL CHLORIDE (PVC) CONDUIT AND FITTINGS FOR UNDERGROUND INSTALLATION	COMPRESSION STRENGTH THAN THE CONCRETE. b) WHERE LEGS OF SUPPORTS ARE IN CONTACT WITH EARTH, PROVIDE SUPPORTS WITH LEGS THAT ARE PROTECTED BY PLASTIC (CPGL CLASS 1) OR STAIN EGG STEEL (CPGL CLASS 2)
28. ASTM F656, STANDARD SPECIFICATION FOR PRIMERS FOR USE IN SOLVENT CEMENT JOINTS POLY VINYL CHLORIDE (PVC), PLASTIC PIPE AND FITTINGS	THAT ARE PROTECTED BY PLASTIC (CRSI, CLASS I) OR STAINLESS STEEL (CRSI, CLASS 2). 14. STEEL WIRE: ASTM A853. 15. EXPANSION AND ISOLATION JOINT FILLER: ASPHALT SATURATED CELLULOSIC FIBER IN
	13. EXPANSION AND ISOLATION JOINT FILLER: ASPHALT SATURATED CELLULOSIC FIDER IN COMPLIANCE WITH ASTM DITSI; WITH REMOVABLE CAP FOR SEALANT PLACEMENT. 16. FORM, SITE LIGHTING BASE: ONE PIECE; SINGLE USE; MULTIPLE LAYER SPIRALLY WOUND
	PAPERBOARD; INTERIOR COATED WITH DURAGLAS COATING; MOISTURE BARRIER EXTERIOR; SONOTUBE FINISH FREE FORM OR APPROVED EQUAL.
	17. SEALANT: REFERENCE DIVISION OT OF THE GENERAL NOTES. 18. SEALER: REFERENCE THIS DIVISION OF THE GENERAL NOTES.
	3206. SLUMP LIMITS: PROPORTION AND DESIGN MIXES TO RESULT IN CONCRETE SLUMP AT POINT OF PLACEMENT.
	a. RIGID PAVING: MINIMUM ONE TO THREE INCHES, NOT MORE THAN FOUR INCHES. b. CURB: AS REQUIRED TO MAINTAIN SHAPE DURING CONCRETE PLACEMENT.
	c. ADDING WATER TO THE MIX IN ORDER TO CORRECT SLUMP IS PROHIBITED.
	3201. PROVIDE CONCRETE PUMPING IF REQUIRED FOR CONSTRUCTABILITY. 3208. THOUGH THE COST OF CONCRETE TESTING IS THE RESPONSIBILITY OF THE OWNER, THE CONTRACTOR
	WILL BE REQUIRED TO COORDINATE WITNESSING AND TESTING WITH THE AGENCY SELECTED BY THE

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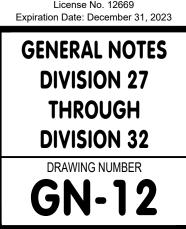
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COMMISSION No. D0110

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DIVISION 32 - EXTERIOR IMPROVEMENTS, CONTINUED

- 3209. CONCRETE FORM WORK a. DESIGN, CONSTRUCT, ERECT, MAINTAIN AND REMOVE FORMS FOR CAST-IN-PLACE CONCRETE
 - WORK IN COMPLIANCE WITH ACI 347. b. CONSTRUCT FORMWORK SO CONCRETE MEMBERS AND STRUCTURES ARE OF CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION, AND POSITION. MAINTAIN FORMWORK CONSTRUCTION
 - TOLERANCES. c. COAT CONTACT SURFACES OF FORMWORK WITH FORM RELEASE AGENTS BEFORE PLACING REINFORCEMENT.
- 3210. REINFORCEMENT COVERAGE a. UNLESS OTHERWISE SPECIFIED, INSTALL REINFORCING TO PROVIDE MINIMUM CONCRETE COVER
 - AS FOLLOWS:
 - b. CONCRETE EXPOSED TO EARTH OR WEATHER I. No. 5 BARS AND SMALLER: 1-1/2 INCHES MINIMUM.
 - 2. OTHERS: TWO INCHES MINIMUM.

3211. JOINTS

- a. CONTRACTION I. 4 INCH SLAB THICKNESS: SPACING MINIMUM & FEET, MAXIMUM IO FEET CENTER TO CENTER; SAWCUT DEPTH ONE INCH.
- 2. 6 INCH SLAB THICKNESS: MINIMUM 12 FEET, MAXIMUM 15 FEET CENTER TO CENTER; SAWCUT DEPTH
- 1-1/2 INCHES. 3. 8 INCH SLAB THICKNESS: MINIMUM 16 FEET, MAXIMUM 20 FEET CENTER TO CENTER; SAWCUT
- DEPTH 2 INCHES. b. CONSTRUCTION: LOCATE AT CONTRACTION JOINTS WHENEVER POSSIBLE, BUT NO CLOSER THAN IO FEET FROM LAST CONTRACTION JOINT IF LOCATED BETWEEN CONTRACTION JOINTS; DOWELED; PLACE AT THE END OF EACH DAYS WORK OR WHEN THE POUR IS SUSPENDED FOR MORE THAN 30
- c. CURBS: EVERY 10 FEET CENTER TO CENTER ON STRAIGHT SECTIONS; EVERY 4 FEET CENTER TO CENTER ON RADIUS SECTIONS. d. CATCH BASIN, MANHOLE APRONS: SAWCUT CONTRACTION JOINTS CORNER TO CORNER.
- 3212. MAINTENANCE BUILDING APPROACH APRON
 - a. PROVIDE STEEL REINFORCED EXTERIOR CONCRETE SLAB ON GRADE FOR THE REFUSE ENCLOSURE AND THE APPROACH APRON FOR THE MAINTENANCE BUILDING AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION, AND IN COMPLIANCE WITH LOCAL JURISDICTION REQUIREMENTS. b. MATERIAL
 - CONCRETE: ODOT ITEM 452; CLASS QC 2; THICKNESS AS INDICATED.
 - AGGREGATE SUBBASE: ODOT ITEM 304; THICKNESS AS INDICATED. 3. REINFORCEMENT: ASTM A185 WELDED WIRE FABRIC; SIZE AS INDICATED.
- 4. SEALER.
- 3213. SIDEWALKS a. CONSTRUCT CONCRETE SIDEWALKS WHERE SHOWN ON THE DRAWINGS AND AS NOTED HEREIN: I. TOLERANCE: NOT EXCEEDING 1/4 INCHES BELOW A 10 FOOT STRAIGHTEDGE.
 - 2. LONGITUDINAL AND TRANSVERSE SLOPES IN COMPLIANCE WITH ICC/ANSI AII7.I.
 - 3. BROOM FINISH WITH TOOLED EDGES AND SAWCUT JOINTS. a) CLASS B TOLERANCE.

3214. REFUSE ENCLOSURE

- a. PROVIDE THE REFUSE ENCLOSURE WITH EXTERIOR CONCRETE SLAB-ON-GRADE AND EXTERIOR CONCRETE APPROACH APRON AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION, AND IN COMPLIANCE WITH LOCAL JURISDICTION REQUIREMENTS.
- b. PROVIDE SUBMITTAL IN ACCORDANCE WITH DIVISION OI GENERAL REQUIREMENTS.
- c. MATERIAL, RIGID PAVING (REFERENCE THIS GENERAL NOTES SECTION FOR SPECIFIC
- REQUIREMENTS) I) CONCRETE: ODOT ITEM 451; CLASS QC 2; THICKNESS AS INDICATED.
- 2) AGGREGATE SUBBASE: ODOT ITEM 304; THICKNESS AS INDICATED.
- 3) REINFORCEMENT: ASTM A615, GRADE 60, SIZE AND SPACING AS INDICATED. 4) SEALER
- 5) STEEL BOLLARD:
- a) GATE POSTS AND DUMPSTER STOPS.
- b) REFERENCE DIVISION 05 OF THE GENERAL NOTES.
- 6) MISCELLANEOUS STEEL FOR GATES: REFERENCE DIVISION 05 OF THE GENERAL NOTES. 1) GATE HARDWARE: REFERENCE DRAWINGS FOR SPECIFIC REQUIREMENTS. d. MATERIAL, FENCE
- I) REFERENCE DRAWINGS FOR SPECIFIC REQUIREMENTS.
- e. FENCE WOOD, STEEL FRAME FOR GATES AND BOLLARD POSTS COLOR AS SELECTED BY THE OWNER FROM MANUFACTURER'S STANDARD.
- 3215. SEALING COMPOUND
- a. PROVIDE FOR EXTERIOR RIGID PAVING, SIDEWALKS, EQUIPMENT PADS AND CURBS, TRANSPARENT LIQUID SEALING COMPOUND FORMULATED WITH SILOCANATE. COVERAGE RATE AS RECOMMENDED BY THE MANUFACTURER.
- b. MANUFACTURERS
- I. V-SEAL CONCRETE SEALERS: 102
- 2. CONCRETE SEALERS USA: PSIO2. 3. REUSE CONCRETE SEALING SPECIALISTS: SEALGREEN.
- 3216. ACCESSIBLE PARKING SIGNAGE
 - a. PROVIDE ACCESSIBLE PARKING SIGNAGE AND CONCRETE STOP BLOCKS AS SHOWN ON THE DRAWINGS AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. b. MATERIAL
 - I. SIGN POST: PROVIDE SIGN POST AS DETAILED ON SHEET CLOO. U-CHANNEL, 2 POUNDS PER FOOT, HOT-DIP GALVANIZED; MINIMUM 3 INCHES WIDE BY 1-3/4 INCHES DEEP: PRF-PUNCHED
 - MOUNTING HOLES 3/8 INCHES DIAMETER SPACED EVERY INCH FULL LENGTH OF THE POST. 2. PARKING SIGN: INTERNATIONAL SYMBOL OF ACCESSIBILITY PICTOGRAM OVER TEXT "PARKING", STEEL, MINIMUM 0.080 INCHES THICK, 12 INCHES BY 18 INCHES, BLUE BACKGROUND WITH WHITE LETTERING, ENGINEER-GRADE REFLECTIVE SHEETING, PRE-PUNCHED HOLES FOR MOUNTING.
 - 3. PARKING SIGN: TEXT "VAN ACCESSIBLE", STEEL, MINIMUM 0.080 INCHES THICK, 12 INCHES BY 18 INCHES. BLUE BACKGROUND WITH WHITE LETTERING, ENGINEER-GRADE REFLECTIVE SHEETING, PRE-PUNCHED HOLES FOR MOUNTING.
 - 4. PARKING SIGN: TEXT "\$250 FINE", STEEL, MINIMUM 0.080 INCHES THICK, 12 INCHES BY 6 INCHES, BLUE BACKGROUND WITH WHITE LETTERING, ENGINEER-GRADE REFLECTIVE SHEETING, PRE-PUNCHED HOLES FOR MOUNTING.
 - 5. STOP BLOCK: PRE-GAST CONGRETE, MINIMUM 5,000 PSI AT 28 DAYS, REINFORGED WITH 2 EACH NO. 4, GRADE 60 REINFORCING BARS, TAPERED TOP CORNERS WITH RADIUS EDGES, -MINIMUM 6 FEET LONG, 5 INCHES TALL AND 6 INCHES WIDE, PREFORMED HOLES FOR ANCHORING.
 - a) ANCHOR WITH GALVANIZED OR STAINLESS STEEL PINS AS RECOMMENDED BY MANUFACTURER.

3217. GRASS SEED

- a. PROVIDE SEEDING OF ALL AREAS DISTURBED BY CONSTRUCTION AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION.
- b. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, INDUSTRY STANDARD, PROFESSIONAL HORTICULTURAL AND ARBORICULTURAL PRACTICES, THE AMERICAN ASSOCIATION OF NURSERYMEN AND LOCAL EXTENSION OFFICE GUIDELINES APPLICABLE TO THE
- PROJECT AREA. c. MATERIAL
- I. TOPSOIL: REFERENCE DIVISION 31 OF THE GENERAL NOTES FOR SPECIFIC INFORMATION AND REQUIREMENTS. 2. SEEDING FERTILIZER: COMMERCIAL GRADE; 5/10/5
- 3. GRASS SEED: NOT LESS THAN 95 PERCENT GERMINATION, NOT LESS THAN 85 PERCENT PURE SEED AND NOT MORE THAN 0.5 PERCENT WEED SEED, 40 PERCENT KENTUCKY BLUEGRASS, 40 PERCENT CREEPING RED FESCUE, 20 PERCENT ANNUAL RYEGRASS.
- 4. EROSION CONTROL BLANKETS: BIODEGRADABLE STRAW ENCLOSED IN A PHOTODEGRADABLE PLASTIC MESH, STAKED AT INTERVALS RECOMMENDED BY THE MANUFACTURER.
- THROUGH TESTING, AND PRIOR TO THE START OF PLANTING OPERATIONS, VERIFY THE PH LEVEL OF THE SOILS SCHEDULED FOR SEEDING.
- I. TAKE THE NECESSARY STEPS REQUIRED TO CORRECT UNSUITABLE CONDITIONS. e. APPLY FERTILIZER AND LOOSEN SUBGRADE A MINIMUM FOUR INCHES DEEP, REMOVE STONES
- LARGER THAN ONE INCH DIAMETER, REMOVE ALL DEBRIS, STICKS, ROOTS, ETC.
- F. GRASS SEED: APPLY WITH SPREADER OR SEEDING MACHINE. DO NOT APPLY WHEN WINDS EXCEED FIVE MILES PER HOUR, MINIMUM THREE POUNDS PER 1,000 SQUARE FEET AT A RATE SUFFICIENT 3303. APPROVED MATERIALS FOR PROPER COVERING AT THE TIME OF GERMINATION. I. RAKE LIGHTLY INTO TOP 1/8 INCH PORTION OF SOIL, LIGHTLY ROLL AND WATER WITH FINE
- SPRAY
- 2. PLACE STRAW MULCH OVER SEED, APPROXIMATELY TWO TONS PER ACRE, BUT NO LESS THAN 1-1/2 INCH COVERING. WARRANTY: ONE COMPLETE GROWING SEASON.

DIVISION 33 - UTILITIES

- NOTE REFER TO THE ELECTRICAL DRAWINGS, AS PREPARED BY XPERT ENGINEERING, LLC, FOR ADDITIONAL ELECTRICAL ENGINEERING NOTES, SPECIFICATIONS AND INFORMATION. WHERE THOSE ELECTRICAL ENGINEERING REQUIREMENTS CONFLICT WITH THE NOTES OF THIS DIVISION, IN ALL CASES THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- 3300. RELATED DOCUMENTS
- a. INSTRUCTIONS TO BIDDERS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION OO AND DIVISION OI SPECIFICATION SECTIONS, APPLY TO THIS SECTION.
 - I. PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR THE FOLLOWING: a) CONDUIT AND RACEWAYS
- 3301. GENERAL
 - a. PROVIDE SITE ELECTRICAL UTILITIES AS INDICATED ON THE ELECTRICAL ENGINEERING DRAWINGS, AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO: I) CONDUITS (WITH PULL ROPES) FOR ELECTRIC, DATA AND COMMUNICATIONS, AND ELECTRONIC SAFETY AND SECURITY SYSTEMS.
 - b. TRENCH EXCAVATION SHALL BE IN STRICT COMPLIANCE WITH OSHA REGULATIONS. c. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS AND
 - MANUFACTURER'S WRITTEN INSTRUCTIONS, DETAILS AND SPECIFICATIONS. d. PROVIDE CONTINUOUS DETECTABLE WARNING DEVICES (TAPE, WIRE, ETC.) OF UNDERGROUND UTILITIES AND/OR SYSTEMS DURING BACKFILL OPERATIONS; POLYETHYLENE FILM THAT IS ACID
- AND ALKALI RESISTANT, MINIMUM 6 INCHES WIDE, COLOR PER UTILITY BEING BURIED.
- 3302. REFERENCES FOR MANUFACTURING, TESTING AND INSTALLATION a. INTERNATIONAL CODE COUNCIL/AMERICAN NATIONAL STANDARDS INSTITUTE (ICC/ANSI)
 - I. ICC/ANSI II7.I, GUIDELINES FOR ACCESSIBLE AND USABLE BUILDING AND FACILITIES b. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) I. OSHA 29 CFR 1926.650, EXCAVATION, SCOPE, APPLICATION AND DEFINITIONS
 - 2. OSHA 29 CFR 1926.651, EXCAVATION, SPECIFIC EXCAVATION REQUIREMENTS 3. OSHA 29 CFR 1926.652, EXCAVATION, REQUIREMENTS FOR PROTECTIVE SYSTEMS
 - c. AMERICAN ASSOCIATION OF STATE HIGHWAYS AND TRANSPORTATION (AASHTO) I. AASHTO M248, STANDARD SPECIFICATION FOR READY-MIXED WHITE AND YELLOW TRAFFIC PAINTO
 - 2. AASHTO M320, STANDARD SPECIFICATION FOR PERFORMANCE-GRADED ASPHALT BINDER. d. OHIO LAWS AND ADMINISTRATIVE RULES (OLAR).
 - d. OHIO DEPARTMENT OF TRANSPORTATION (ODOT) ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS
 - 2. ODOT SUPPLEMENT SPECIFICATION 823, LIGHT TRAFFIC ASPHALT MIX COMPOSITION REQUIREMENTS
 - 3. ODOT ITEM 253, PAVEMENT REPAIR 4. ODOT ITEM 441, CONTRACTOR MIX DESIGN AND QUALITY CONTROL - GENERAL
 - e. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) I. NEMA TC 2, STANDARD FOR ELECTRICAL POLYVINYL CHLORIDE (PVC) CONDUIT
 - 2. NEMA TC 3, STANDARD FOR POLYVINYL CHLORIDE (PVC) FITTINGS FOR USE WITH RIGID PVC CONDUIT AND TUBING
 - 3. NEMA WC TO, POWER CABLES RATED 2000 VOLTS OR LESS FOR THE DISTRIBUTION OF ELECTRICAL ENERGY f. UNDERWRITERS LABORATORY (UL)
 - I. UL 467, GROUNDING AND BONDING EQUIPMENT
 - 2. UL 514B. CONDUIT, TUBING AND CABLE FITTINGS
 - 3. UL 651, STANDARD SCHEDULE 40 AND 80 RIGID PVC CONDUIT AND FITTINGS q. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
 - I. NFPA 70, NATIONAL ELECTRIC CODE
 - h. AMERICAN CONCRETE INSTITUTE (ACI)
 - I. ACI 117, SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS 2. ACI 201, GUIDE TO DURABLE CONCRETE 3. ACI 212, REPORT ON CHEMICAL ADMIXTURES FOR CONCRETE
 - 4. ACI 222R, PROTECTION OF METALS IN CONCRETE AGAINST CORROSION
 - 5. ACI 224, JOINTS IN CONCRETE CONSTRUCTION
 - 6. ACI 301, SPECIFICATION FOR STRUCTURAL CONCRETE
 - 7. ACI 304R, GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE 8. ACI 305R, GUIDE AND STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING 9. ACI 306R, GUIDE AND STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING
 - IO. ACI 308, GUIDE FOR CURING CONCRETE
 - II. ACI 308.I. SPECIFICATION FOR CURING CONCRETE 12. ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 - 13. ACI 34TR, GUIDE TO FORMWORK FOR CONCRETE
 - I. CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
 - I. CRSI, MANUAL OF STANDARD PRACTICE 2. CRSI, PLACING REINFORCING BARS

AND STEEL PRODUCTS

CURING CONCRETE

HYDRAULIC CEMENT CONCRETE

ELECTRICAL INSULATING TAPE

(VISUAL-MANUAL PROCEDURE)

(PVC) PLASTIC PIPING SYSTEMS

CHLORIDE (PVC) PIPE AND FITTINGS

TYPE, APPROVED TESTING AGENCY, ETC.

AND SURFACE COURSES

CONCRETE

PURPOSES

PIPE AND FITTINGS

FITTINGS

CONCRETE REINFORCEMENT

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) ASTM A123, STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON

4. ASTM BI, STANDARD SPECIFICATION FOR HARD-DRAWN COPPER WIRE

7. ASTM C33, STANDARD SPECIFICATION FOR CONCRETE AGGREGATE

8. ASTM C94, STANDARD SPECIFICATION FOR READY-MIXED CONCRETE

9. ASTM CI50. STANDARD SPECIFICATION FOR PORTLAND CEMENT

14. ASTM CT18, STANDARD SPECIFICATION FOR STANDARD SAND

AND CHLORINATED POLY VINYL CHLORIDE (CPVC) COMPOUNDS

CONDUIT AND FITTINGS FOR UNDERGROUND INSTALLATION

POLY VINYL CHLORIDE (PVC), PLASTIC PIPE AND FITTINGS

CORROSION OF REINFORCING STEEL IN CONCRETE

REINFORCEMENT, PLAIN AND DEFORMED, FOR CONCRETE

3304. MAINTENANCE BUILDING

- a. FURNISH THE UNDERGROUND ELECTRICAL SERVICE AS SHOWN ON THE DRAWINGS, AND AS NOTED HEREIN, WITH COMPONENTS AS NEEDED FOR A COMPLETE INSTALLATION. INCLUDES, BUT IS NOT NECESSARILY LIMITED TO:
- I) THE UNDERGROUND BRANCH ELECTRICAL SERVICES TO THE MAINTENANCE BUILDING. 2) THE UNDERGROUND ELECTRONIC SAFETY AND SECURITY SERVICES TO THE LOCATIONS OF
- THE SITE COMPONENTS OR BUILDING WALLS SHOWN ON THE DRAWINGS.
- b. COMPLY WITH THE REQUIREMENTS OF THE NEPA 10, NATIONAL ELECTRICAL CODE (NEC), AND THE JURISDICTION HAVING AUTHORITY.
- COMPLY WITH THE STANDARDS OF THE NEC FOR CONDUIT / PIPING, INCLUDING OTHER MATERIALS,
- e. ASSEMBLE AND INSTALL COMPONENTS ACCORDING TO MANUFACTURER'S PRINTED INSTALLATION

2. ASTM A615, STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON-STEEL BARS FOR

3. ASTM AIO64, STANDARD SPECIFICATION FOR CARBON-STEEL WIRE AND WELDED WIRE

5. ASTM B3, STANDARD SPECIFICATION FOR SOFT OR ANNEALED COPPER WIRE

6. ASTM B258. STANDARD SPECIFICATION FOR NOMINAL DIAMETERS AND CROSS-SECTIONAL

AREAS OF AWG SIZES OF SOLID ROUND WIRES USED AS ELECTRICAL CONDUCTORS

10. ASTM CI71, STANDARD SPECIFICATION FOR SHEET MATERIALS FOR CURING CONCRETE

II. ASTM C309, STANDARD SPECIFICATION FOR LIQUID MEMBRANE-FORMING COMPOUNDS FOR

12. ASTM C330, STANDARD SPECIFICATION FOR LIGHTWEIGHT AGGREGATES IN STRUCTURAL

13. ASTM C494, STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE

17. ASTM C1582, STANDARD SPECIFICATION FOR ADMIXTURES TO INHIBIT CHLORIDE-INDUCED

18. ASTM CI602, STANDARD SPECIFICATION FOR MIXING WATER USED IN THE PRODUCTION OF

19. ASTM D2301, STANDARD SPECIFICATION FOR VINYL CHLORIDE PLASTIC PRESSURE-SENSITIVE

20.ASTM DI24I, STANDARD SPECIFICATION FOR MATERIALS SOIL-AGGREGATE SUBBASE, BASE

21. ASTM DI784, STANDARD SPECIFICATION FOR RIGID POLY VINYL CHLORIDE (PVC) COMPOUNDS

22.ASTM D2487, STANDARD PRACTICE FOR CLASSIFICATION OF SOILS FOR ENGINEERING

23. ASTM D2488, STANDARD PRACTICE FOR DESCRIPTION AND IDENTIFICATION OF SOILS

24. ASTM D2564, STANDARD SPECIFICATION FOR SOLVENT CEMENTS FOR POLY VINYL CHLORIDE

25. ASTM D2855, STANDARD PRACTICE FOR MAKING SOLVENT-CEMENTED JOINTS WITH POLY VINYL

26.ASTM D2940, STANDARD SPECIFICATION FOR GRADED AGGREGATE MATERIAL FOR SUBBASES

27. ASTM D3034, STANDARD SPECIFICATION FOR TYPE PSM POLY VINYL CHLORIDE (PVC) SEWER

28.ASTM D5268, STANDARD SPECIFICATION FOR TOPSOIL USED FOR LANDSCAPING PURPOSES 29. ASTM F512, STANDARD SPECIFICATION FOR SMOOTH-WALL POLY VINYL CHLORIDE (PVC)

30.ASTM F656, STANDARD SPECIFICATION FOR PRIMERS FOR USE IN SOLVENT CEMENT JOINTS

31. ASTM F1336, STANDARD SPECIFICATION FOR POLY VINYL CHLORIDE (PVC) GASKETED SEWER

a. ALL CONDUITS, RACEWAYS, AND THEIR SPECIALTIES SHALL BEAR PERMANENT MARKING OF SIZE,

MARKINGS OF APPROVED TESTING AGENCIES.

METHODS, INSTALLATION AND TESTING.

d. CONDUITS AND CONDUIT SPECIALTIES MATERIALS SHALL THE BEAR LABEL, STAMP, OR OTHER

INSTRUCTIONS.

Office Facility Alterations and a New Maintenance Building for the: FAIRFIELD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES 795 College Avenue Lancaster, Ohio 43130
Office Facility A FAIRFIELD C 795 College Avenue Lancaster, Ohio 43130
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