



DIVISION OF ENGINEERING

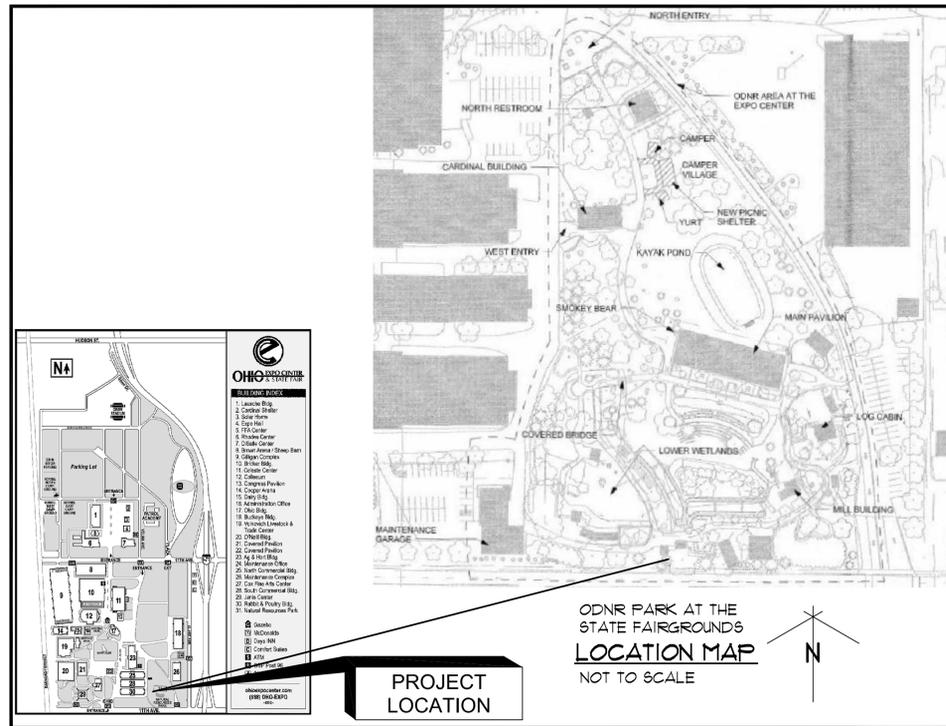
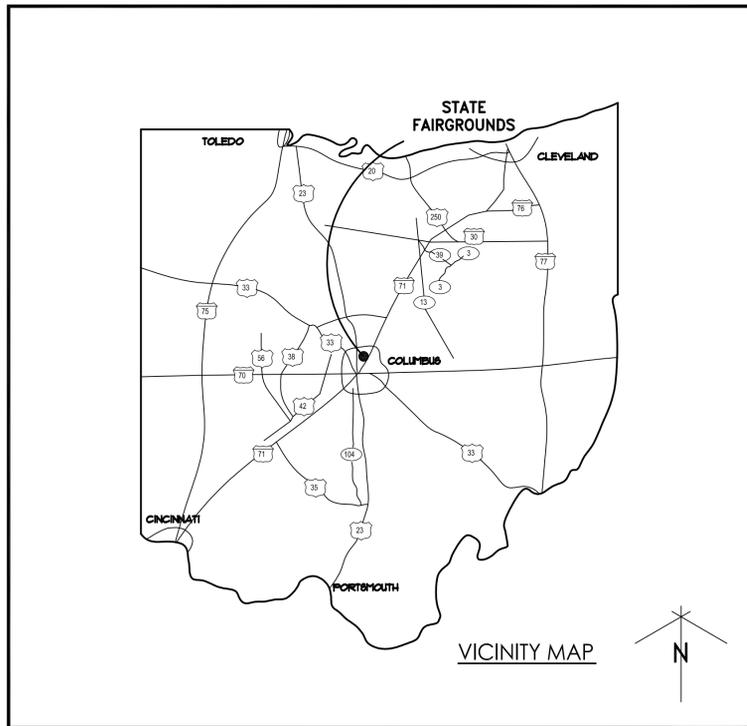
ODNR STATE FAIRGROUNDS

OUTDOOR EDUCATION CENTER

AND FISH HOUSE

DNR - 150049.2

FRANKLIN COUNTY, OHIO



APPROVED

GARY OBERMILLER, CHIEF, DIVISION OF PARKS

DATE

HUNG THAI, P.E., CHIEF, DIVISION OF ENGINEERING

DATE

DESCRIPTION OF CONSTRUCTION ACTIVITY:

- DEMOLITION OF EXISTING PARK STRUCTURES AT SITE. THE CONTRACTOR SHOULD MAKE EVERY EFFORT TO MINIMIZE THE DEMOLITION ACTIVITIES IMPACT ON SURROUNDING PARK AREA.
- CONSTRUCTION OF TWO NEW STRUCTURES. THE CONTRACTOR SHOULD MAKE EVERY EFFORT TO MINIMIZE CONSTRUCTION ACTIVITIES IMPACT ON THE SURROUNDING PARK SITE.

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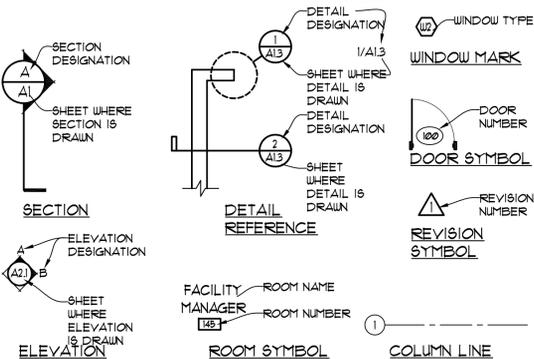
CONSTRUCTION SET: NOVEMBER 8, 2015



ABBREVIATIONS

ANCHOR BOLT	AB.	INTERIOR	INV.
ABOVE FINISH FLOOR	AFF.	INVERT	J.V.
BEARING	BRG.	JOINT	LAV.
BOTTOM	BOT.	LENGTH	L.
BUILDING	BLDG.	MANUFACTURER	MFR.
CEILING	CLG.	MASONRY	MAS.
CENTERLINE	C.L.	MASONRY OPENING	M.O.
CENTER TO CENTER	C.C.	MAXIMUM	MAX.
CHANNEL	CHAN.	MECHANICAL CONTRACTOR	M.C.
CLOSET	CLOS.	MINIMUM	MIN.
CONCRETE	CONC.	MISCELLANEOUS	MISC.
CONSTRUCTION	CONST.	NOT TO SCALE	N.T.S.
CONTINUOUS	CONT.	NUMBER	NO.
CONTRACTOR	CONTR.	OUTSIDE DIAMETER	O.D.
CUBIC	CU.	OUT TO OUT	O/O
CUBIC FEET	CF.	FAIR	FR.
DEPTH	D.	FLATE	FL.
DETAIL	DET.	PLUMBING CONTRACTOR	P.C.
DIAMETER	DIA.	RADIUS	R.
DIMENSION	DIM.	REQUIRED	REQ'D.
DRAIN	DR.	REVISION	REV.
ELECTRIC	ELEC.	ROOM	RM.
ELECTRICAL CONTRACTOR	E.E.C.	ROUGH OPENING	R.O.
ELEVATION	ELEV.	SECTION	SECT.
EQUAL	EQ.	SIMILAR	SIM.
EXISTING	EXIST.	SPECIFICATION	SPEC.
EXPANSION	EXP.	SQUARE	SQ.
EXTERIOR	EXT.	SQUARE FEET	S.F.
FEET	FT.	STAINLESS STEEL	S.S.
FINISH	FIN.	STANDARD	STD.
FLOOR	FLR.	THICKNESS	T.
FLOOR DRAIN	F.D.	TOP OF CONCRETE	T.O.C.
FLUORESCENT	FLUOR.	TOP OF FOOTING	T.O.F.
FIBERGLASS REINFORCED PANEL	FRP.	TOP OF STEEL	T.O.S.
GAS	G.	TOP OF WALL	T.O.W.
GAUGE	GA.	TYP.	TYP.
GENERAL TRADES CONTRACTOR	G.T.C.	TYPICAL	TYP.
GLASS	GL.	VERTICAL	VERT.
GYP-SUM BOARD	GYP. BD.	VERIFY IN FIELD	V.I.F.
HEIGHT	HGT.	WIDTH	WID.
HOLLOW METAL	H.M.	WIRE GLASS	WGL.
HORIZONTAL	HORIZ.	WITH	WTH.
HOT WATER	HW.	WITHOUT	W/O.
INSIDE DIAMETER	I.D.	WOOD	WD.
INSULATION	INSUL.		
	INT.		

DRAWING SYMBOLS



**DNR FISH HOUSE
CODE SUBMITTAL DATA**

GOVERNING CODES AND STANDARDS: 2011 OBC, 2011 OFC, 2011 OMC, 2011 OFC, 2014 NEC, 2009 IECC, AND ICC/ANSI A117.1/2009 FOR ACCESSIBLE DESIGN

1. PROJECT DESCRIPTION
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A METAL FRAMED, TURNED-DOWN SLAB, NON-CONDITIONED STRUCTURE TO BE USED FOR EQUIPMENT STORAGE AND FISHING CHECK-IN AND HOLDING FOR THE ODNR FISH POND AT THE OHIO STATE FAIR. BUILDING IS UNHEATED AND NOT OCCUPIED BY THE PUBLIC, BUT STAFFED BY ODNR.

2. STRUCTURE ANALYSIS

A. OCCUPANCY DESCRIPTION EQUIPMENT STORAGE USE GROUP S-2, LOW HAZARD

B. MIXED USE: NO X YES
IF YES: NON-SEPARATED USE SEPARATED USE SEPARATE BUILDING
FIRE SEPARATION PER TABLE HR

C. TYPE OF CONSTRUCTION BB, COMBUSTIBLE/UNPROTECTED

D. FIRE RESISTIVE CONSTRUCTION:
EXTERIOR WALLS (LOAD BEARING) @ HR
FIRE WALLS @ HR
FLOOR/CEILING @ HR
ROOF/CEILING @ HR
COLUMNS/BEARING WALLS @ HR
EXIT ENCLOSURES @ HR
SHAFTS @ HR
CORRIDORS @ HR

E. BUILDING SQUARE FEET 284 SF.

F. NUMBER OF STORIES ABOVE GRADE 1 (1 STORY ALLOWABLE) TOTAL STORIES 1
HEIGHT 12'-4 1/2" TO TOP OF GABLE BASEMENT YES NO X

G. HORIZONTAL EXITS YES NO X
FULL AUTOMATIC SPRINKLER SYSTEM YES NO X
STANDPIPE SYSTEM YES NO X
SMOKE CONTROL/REMOVAL SYSTEM YES NO X
UNLIMITED AREA BUILDING YES NO X
MANUAL FIRE ALARM YES NO X
AUTO FIRE ALARM YES NO X

H. HANDICAP ACCESSIBLE: YES X NO IF NO, STATE EXCEPTION

I. OCCUPANT LOAD: FISH CHECK-IN/PROCESSING SPACE: 142 SF, 142 SF X 1/15 = 10 MAX.
STORAGE SPACE: 96 SF, 96 SF X 1/300 = 1
TOTAL = 11

J. EGRESS CAPACITY: 11 x 21" = 22"
PROVIDED: 64", 1 DOOR OUT OF CHECK-IN SPACE, AND 1 DOOR OUT OF STORAGE ROOM.

INTERIOR FINISH NOTES

1. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84. MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDICES:

CLASS A: FLAME SPREAD 0-25, SMOKE DEVELOPED 0-450
CLASS B: FLAME SPREAD 26-75, SMOKE DEVELOPED 0-450
CLASS C: FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450

2. NEW INTERIOR WALL AND CEILING FINISHES SHALL NOT HAVE A FLAME SPREAD INDEX GREATER THAN SPECIFIED AS FOLLOWS:

USE GROUP S-2, NON-SPRINKLERED (TABLE 803.9)
EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS B
CORRIDORS: CLASS B
ROOMS AND ENCLOSED SPACES: CLASS C

INSULATION NOTES

1. NEW INSULATION MATERIALS SHALL NOT HAVE A FLAME SPREAD INDEX GREATER THAN SPECIFIED AS FOLLOWS:

RIGID BOARD INSULATION:
FLAME SPREAD NOT GREATER THAN 15
SMOKE DEVELOPED INDEX NOT GREATER THAN 450
BATT INSULATION:
FLAME SPREAD NOT GREATER THAN 25
SMOKE DEVELOPED INDEX NOT GREATER THAN 50
SAFING INSULATION:
FLAME SPREAD AND SMOKE DEVELOPED INDEX SHALL MEET REQUIREMENTS OF ASTM E 136

**DNR RANGE BUILDING
CODE SUBMITTAL DATA**

GOVERNING CODES AND STANDARDS: 2011 OBC, 2011 OFC, 2011 OMC, 2011 OFC, 2014 NEC, 2009 IECC, AND ICC/ANSI A117.1/2009 FOR ACCESSIBLE DESIGN

1. PROJECT DESCRIPTION
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A METAL FRAMED, TRENCH FOUNDATION, CONDITIONED FOR COOLING ONLY, STRUCTURE TO BE USED FOR AN ARCHERY AND AIR PELLET RANGE USED DURING THE FAIR BY ODNR FOR TEACHING ABOUT ARCHERY AND SHOOTING. BUILDING IS USED BY THE PUBLIC DURING THE OHIO STATE FAIR ONLY.

2. STRUCTURE ANALYSIS

A. OCCUPANCY DESCRIPTION ASSEMBLY USE GROUP A-3

B. MIXED USE: NO X YES
IF YES: NON-SEPARATED USE SEPARATED USE SEPARATE BUILDING
FIRE SEPARATION PER TABLE HR

C. TYPE OF CONSTRUCTION BB, COMBUSTIBLE/UNPROTECTED

D. FIRE RESISTIVE CONSTRUCTION:
EXTERIOR WALLS (LOAD BEARING) @ HR
FIRE WALLS @ HR
FLOOR/CEILING @ HR
ROOF/CEILING @ HR
COLUMNS/BEARING WALLS @ HR
EXIT ENCLOSURES @ HR
SHAFTS @ HR
CORRIDORS @ HR

E. BUILDING SQUARE FEET 2637 SF.

F. NUMBER OF STORIES ABOVE GRADE 1 (1 STORY ALLOWABLE) TOTAL STORIES 1
HEIGHT 22'-0 1/2" TO TOP OF GABLE BASEMENT YES NO X

G. HORIZONTAL EXITS YES NO X
FULL AUTOMATIC SPRINKLER SYSTEM YES NO X
STANDPIPE SYSTEM YES NO X
SMOKE CONTROL/REMOVAL SYSTEM YES NO X
UNLIMITED AREA BUILDING YES NO X
MANUAL FIRE ALARM YES NO X
AUTO FIRE ALARM YES NO X

H. HANDICAP ACCESSIBLE: YES X NO IF NO, STATE EXCEPTION

I. OCCUPANT LOAD:
ARCHERY RANGE: 1180 SF, OF WHICH 948 SF IS THE SHOOTING LANES, LEAVING 232 SF, OF OCCUPIED SPACE. 232 SF / 5 SF PER OCCUPANT = 47 OCCUPANTS.
AIR GUN RANGE: 945 SF, OF WHICH 619 SF IS THE SHOOTING LANES, LEAVING 372 SF, OF OCCUPIED SPACE. 372 SF / 5 SF PER OCCUPANT = 75 OCCUPANTS.
STORAGE/MECH: 167 SF. 167 SF / 300 SF PER OCCUPANT = 1 OCCUPANT.
TOTAL: 123 OCCUPANTS

THIS OCCUPANCY COUNT IS BASED ON AREA AND WILL, IN REALITY, BE LESS - BASED ON THE AMOUNT OF RANGE LANES PROVIDED. THE COUNTS ABOVE ARE TO ESTABLISH A MAXIMUM OCCUPANCY VERSUS THE DAY-TO-DAY ACTUAL OCCUPANCY DURING THE FAIR.

J. EGRESS CAPACITY: 123 x 21" = 246"
PROVIDED: 128", AND A MIN. 2 EXITS OUT OF THE ARCHERY RANGE AND TWO EXITS OUT OF THE AIR GUN RANGE.

INTERIOR FINISH NOTES

1. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84. MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDICES:

CLASS A: FLAME SPREAD 0-25, SMOKE DEVELOPED 0-450
CLASS B: FLAME SPREAD 26-75, SMOKE DEVELOPED 0-450
CLASS C: FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450

2. NEW INTERIOR WALL AND CEILING FINISHES SHALL NOT HAVE A FLAME SPREAD INDEX GREATER THAN SPECIFIED AS FOLLOWS:

USE GROUP S-2, NON-SPRINKLERED (TABLE 803.9)
EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS B
CORRIDORS: CLASS B
ROOMS AND ENCLOSED SPACES: CLASS C

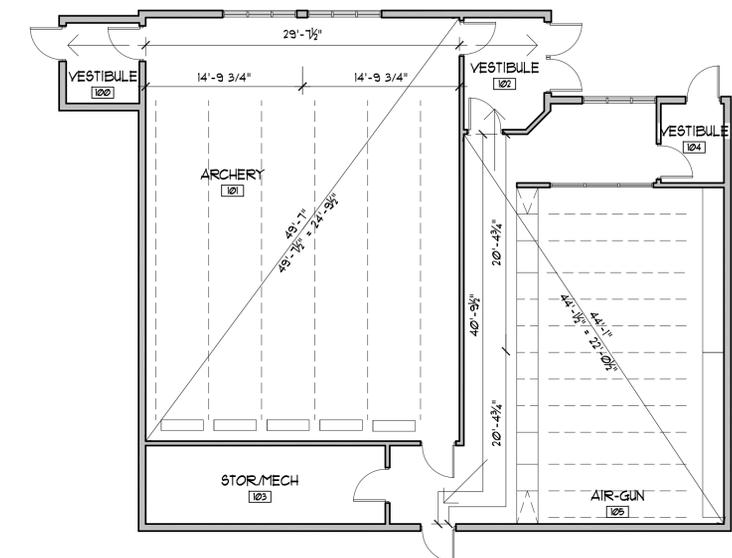
INSULATION NOTES

1. NEW INSULATION MATERIALS SHALL NOT HAVE A FLAME SPREAD INDEX GREATER THAN SPECIFIED AS FOLLOWS:

RIGID BOARD INSULATION:
FLAME SPREAD NOT GREATER THAN 15
SMOKE DEVELOPED INDEX NOT GREATER THAN 450
BATT INSULATION:
FLAME SPREAD NOT GREATER THAN 25
SMOKE DEVELOPED INDEX NOT GREATER THAN 50
SAFING INSULATION:
FLAME SPREAD AND SMOKE DEVELOPED INDEX SHALL MEET REQUIREMENTS OF ASTM E 136

GENERAL PROJECT NOTES

- THE DRAWINGS SHOWN ARE AN APPROXIMATE REPRESENTATION OF EXISTING CONDITIONS. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS MAY CAUSE MINOR RELOCATIONS.
- THE REMOVAL OF ANY EXISTING MATERIAL IS TO BE ACCOMPLISHED IN A SYSTEMATIC AND ORGANIZED MANNER. THE DEBRIS IS TO BE DISPOSED OF OFF SITE, COMPLY WITH THE REQUIREMENTS OF ALL STATE AND LOCAL CODES. PROVIDE ADEQUATE ENVIRONMENTAL CONTROLS. DISPOSE OF ALL MATERIALS IN A LAWFUL MANNER.
- COORDINATE TIME AND ACCESS REQUIREMENTS WITH PARK MANAGER.
- THE CONTRACTORS BID SHALL BE COMPREHENSIVE AND INCLUDE ALL LABOR AND MATERIALS NECESSARY TO COMPLETE ALL WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXERCISE SAFETY PRECAUTIONS AND TO PROVIDE ALL SAFETY EQUIPMENT TO SAFEGUARD ALL PERSONS ON OR NEAR THE WORK SITE.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE WORK SITE OF HIS CONTRACT AND SHALL SATISFY HIMSELF AS TO THE CHARACTER, QUALITY AND QUANTITIES OF WORK TO BE PERFORMED.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL EXISTING WORK DAMAGED DURING DEMOLITION OR DUE TO THE EXECUTION OF THIS CONTRACT AT HIS OWN EXPENSE. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND OBTAINING ALL INSPECTIONS.
- THE CONTRACTOR SHALL KEEP THE JOB SITE NEAT AND ORDERLY, REMOVING SCRAP MATERIAL DAILY AND SHALL CLEAN THE SITE AND THE WORK THOROUGHLY UPON COMPLETION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCING THAT WILL COORDINATE WITH THE OWNER'S REQUIREMENTS AND ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEATHING, TEMPORARY BRACING, GUTS, OR TIE DOWNS WHICH MIGHT BE NECESSARY.
- THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE ITEMS SHOWN ON THE DRAWING. OBTAIN THE ARCHITECT'S SPECIFIC APPROVAL PRIOR TO DEVIATING FROM THE DRAWINGS. FOLLOW THE BEST TRADE AND ENGINEERING PRACTICES FOR THE ITEMS NOT SPECIFICALLY DETAILED AND INDICATED.
- CONTRACTOR SHALL COMPLY WITH ALL BUILDING CODE REQUIREMENTS OF THE LOCAL AND STATE GOVERNING BODY.
- ALL SURFACES INCLUDING LAWNS, PAVEMENTS, SIDEWALKS, AND OTHER SURFACES DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE RESTORED BY THE CONTRACTOR.
- NO EXISTING HAZARDOUS-CONTAINING MATERIALS ARE ANTICIPATED TO BE ENCOUNTERED DURING THE PROCESS OF CONSTRUCTION. IN THE EVENT THAT A SUSPECTED HAZARDOUS-CONTAINING MATERIAL IS ENCOUNTERED, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. ALL CONTRACTORS SHALL FOLLOW ALL OSHA GUIDELINES IN HANDLING OR ABATEMENT OF ANY DISCOVERED EXISTING HAZARDOUS-CONTAINING MATERIALS.
- USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE DRAWINGS OR ELECTRONIC FILE.



1 EGRESS TRAVEL ACCESS PLAN
SCALE: N.T.S.

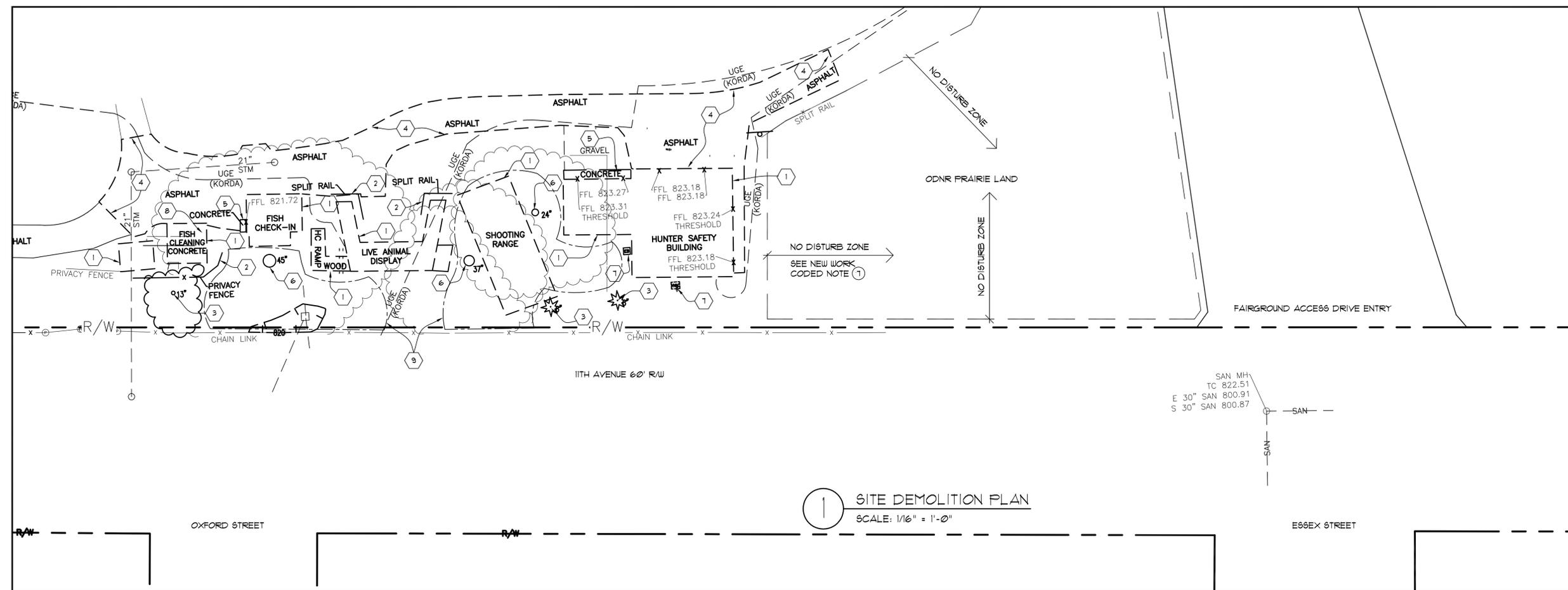


**DEMOLITION
CODED NOTES**

INDICATED BY: 

1. EXISTING STRUCTURES SHOWN DASHED TO BE REMOVED, INCLUDING SLABS AND BELOW GRADE FOUNDATIONS
2. FENCING TO BE REMOVED.
3. EXISTING TREE TO BE REMOVED.
4. EXISTING ASPHALT WALKWAY TO BE REMOVED. EXTENTS SHOWN DASHED.
5. EXISTING CONCRETE SLAB TO BE REMOVED.
6. PROTECT EXISTING TREE DURING DEMOLITION. SEE SPECIFICATIONS FOR PRECAUTIONS REQUIRED DURING DEMOLITION.
7. MECHANICAL EQUIPMENT AND PADS TO BE REMOVED.
8. EXISTING ICE MACHINE AND TWO (2) REFRIGERATORS TO BE CAREFULLY REMOVED AND STORED ON SITE AT THE OWNER'S COC FACILITY UNTIL BEING REINSTALLED IN NEW FISH HOUSE.
9. TEMPORARY TREE PROTECTION ZONE FENCING DURING DEMOLITION. MAXIMIZE FENCING RADIUS TO EDGE OF DEMOLITION.

NOTE: SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION



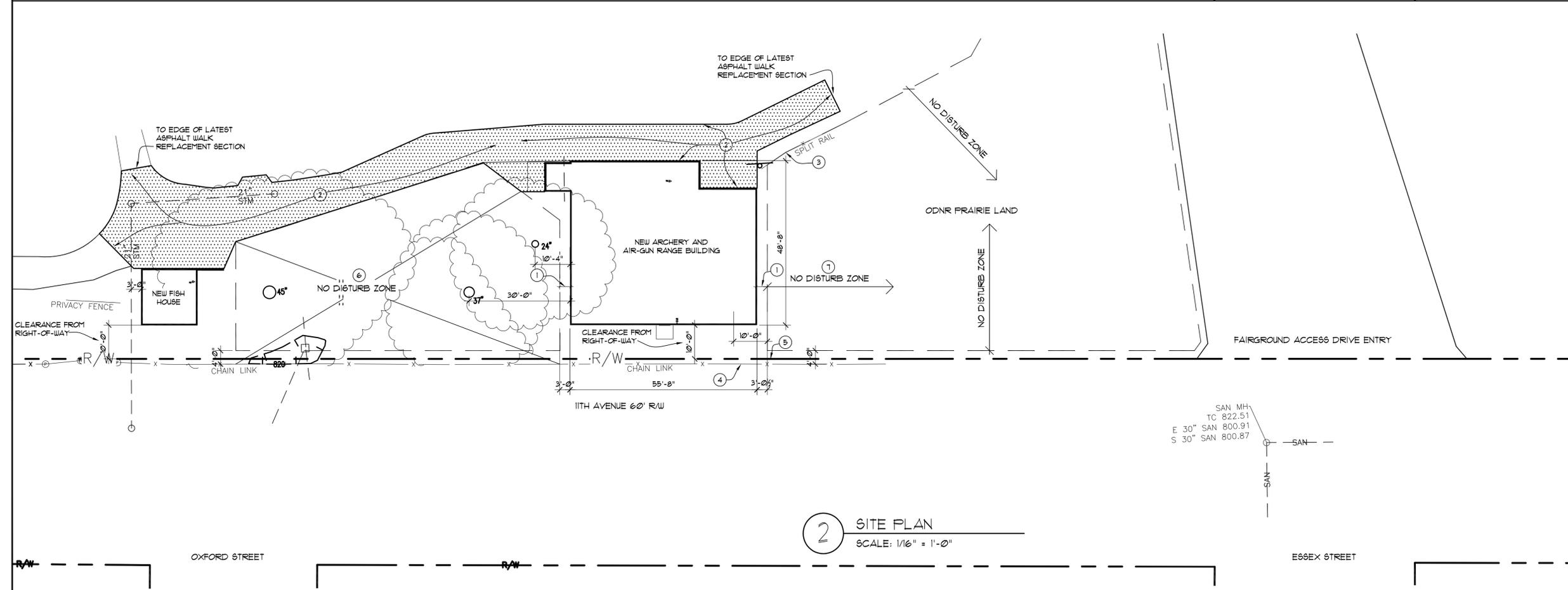
1 SITE DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

**NEW WORK
CODED NOTES**

INDICATED BY: 

1. MAINTAIN 3'-0" CONSTRUCTION WORK ZONE BETWEEN BUILDING AND CONSTRUCTION FENCE.
2. NEW ASPHALT WALKWAY. SEE CIVIL DRAWINGS.
3. EXISTING SPLIT RAIL FENCE TO REMAIN.
4. EXISTING FENCE TO REMAIN ALONG ITH AVE.
5. RIGHT OF WAY IS 20'-0" FROM CENTER OF ITH AVE. SEE CIVIL DRAWINGS.
6. PROVIDE CHAINLINK FENCE ENCLOSURE AROUND THE "NO DISTURB ZONE". SEE SPECIFICATIONS FOR TREE PROTECTION DURING CONSTRUCTION.
7. PROVIDE CHAINLINK FENCE ALONG EAST SIDE OF PROPERTY 10'-0" FROM THE EXISTING HUNTER SAFETY BUILDING. FROM FENCE ALONG ITH TO THE SPLIT-RAIL FENCE TO THE NORTH.

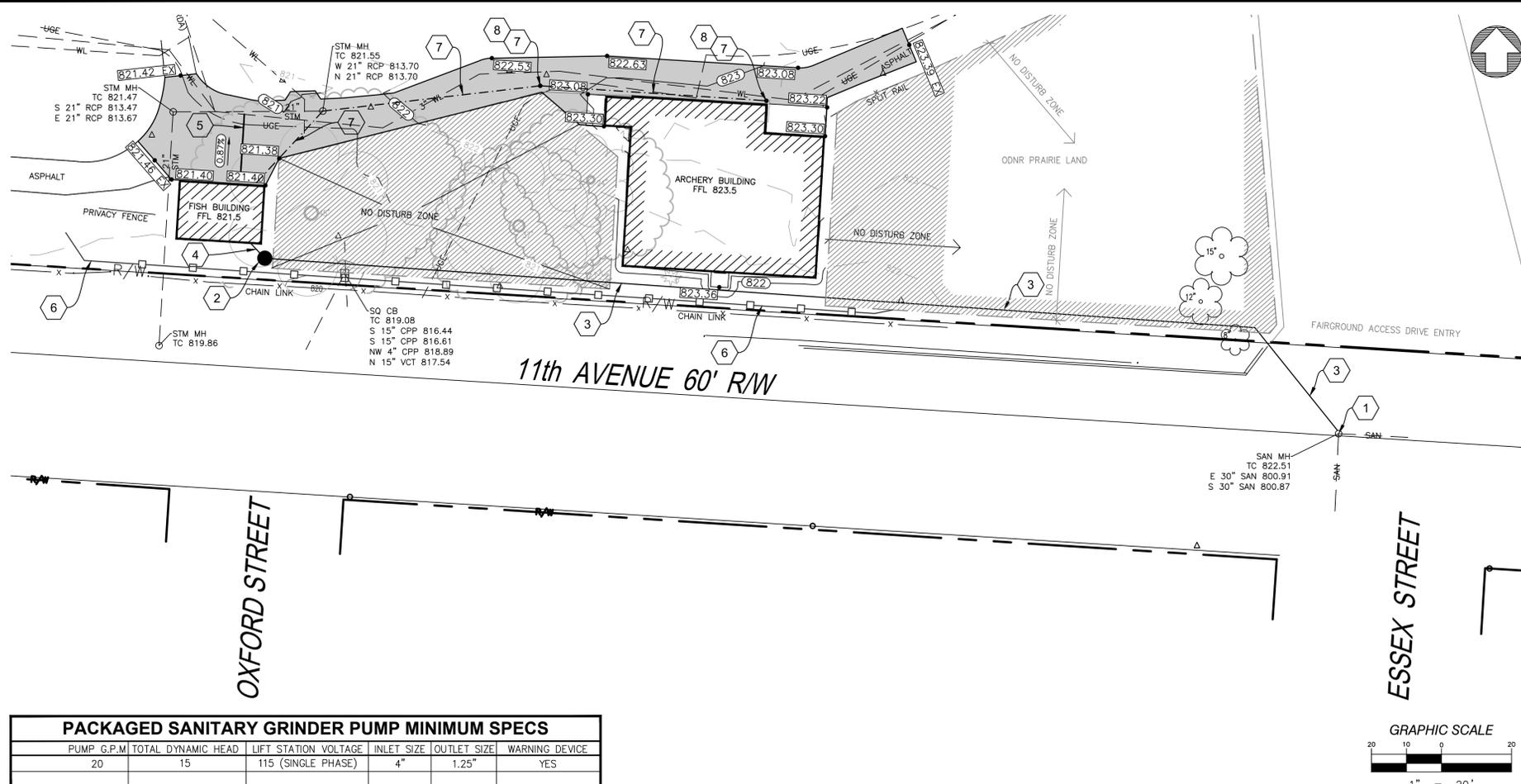
NOTE: SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION



2 SITE PLAN
SCALE: 1/16" = 1'-0"



TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2015
SIGNED: *Tony R. Schorr* DATE: 11-08-15



SITE KEYNOTES

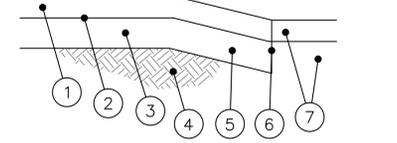
- PRESSURE SEWER SERVICE TO BE TIED INTO TO EXISTING SANITARY SEWER.
- PACKAGED SANITARY SUMP WITH SIMPLEX GRINDER PUMP. SEE MINIMUM PUMP SPECS TABLE. THIS SHEET. CONCRETE ANTI-FLOATATION COLLAR SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS - COST TO BE INCLUDED WITH PUMP STATION COST.
- 2" PRESSURE SANITARY SEWER SERVICE, DIRECTIONALLY DRILLED, 4" MINIMUM COVER. EXACT ROUTE TO BE FIELD CONFIRMED WITH ARCHITECT PRIOR TO DRILLING.
- 4" SANITARY SERVICE CONNECTION, 2.08% MIN SLOPE.
- 3/4" WATER SERVICE, CONNECT TO EXISTING 3" WL WITH TAP AND VALVE.
- SEDIMENT FENCE, PER ODOT DM-4.4 - TYP.
- 6" ROOF DRAIN COLLECTOR, 1.08% MIN SLOPE. MAINTAIN 18" MIN CLEARANCE WITH WATER LINES.
- CLEANOUT, SEE COC STD DETAIL, AA-S161.

MISC. NOTES

- CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO TREES WHENEVER POSSIBLE.
- CONTRACTOR SHALL COORDINATE THE DISCONNECTION & REMOVE EXISTING UTILITIES WITH THE APPROPRIATE UTILITY OWNERS AS NECESSARY & SHALL MEET ALL APPLICABLE FEDERAL, STATE & LOCAL CODES & REQUIREMENTS.
- ALL WORK TO BE PERFORMED PER THE "CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS 2012"
- ALL EXISTING INLETS SHALL RECEIVE INLET PROTECTION PER ODOT DM-4.4.

LEGEND

KEYNOTE
 STANDARD DUTY PAVEMENT



- 2" ~ ITEM 448, ASPHALT CONCRETE, SURFACE COURSE TYPE 1, PG-64-22.
- ITEM 408, PRIME COAT (0.35 GAL/SY)
- 3" MIN ~ ITEM 304, AGGREGATE BASE, ADJUST THICKNESS TO PROVIDE POSITIVE DRAINAGE FOR SURFACE COURSE.
- EXISTING PAVING BASE - ITEM 204, SUBGRADE COMPACTION.
- WHEN MEETING EXISTING PAVING SURFACE, EXISTING AGGREGATE BASE IS TO BE REMOVED TO PROVIDE SUFFICIENT ROOM FOR 3" MIN 304 AGGREGATE BASE.
- NEATLY SAW-CUT EXISTING PAVEMENT TO PROVIDE NEAT EDGE. APPLY ODOT ITEM 407, TACK COAT TO VERTICAL EDGE OF CUT PAVEMENT. SEAL JOINTS WITH ITEM ODOT 705.04, HOT APPLIED JOINT SEALER. COST SHALL BE INCLUDED IN RELATED ITEMS.
- EXISTING PAVEMENT AND SUBGRADE.

NOTE: PAVEMENT IS TO BE SLOPED TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES.

STD. DUTY PAVEMENT
NOT TO SCALE

PACKAGED SANITARY GRINDER PUMP MINIMUM SPECS							
PUMP	G.P.M	TOTAL DYNAMIC HEAD	LIFT STATION	VOLTAGE	INLET SIZE	OUTLET SIZE	WARNING DEVICE
20		15	115 (SINGLE PHASE)		4"	1.25"	YES

GENERAL NOTES

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC) 2012, INCLUDING SUPPLEMENTAL SPECIFICATION 1100 AND ALL OTHER SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED.

CONSTRUCTION OF THIS PROJECT MAY NOT BEGIN UNTIL THE EASEMENTS INDICATED ARE RECORDED BY THE CITY OF COLUMBUS.

ANY MODIFICATIONS TO THE SPECIFICATIONS OR WORK AS SHOWN ON THE DRAWINGS, MUST HAVE PRIOR WRITTEN APPROVAL BY THE ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE.

THE CONTRACTOR SHALL NOTIFY THE DIVISION OF DESIGN & CONSTRUCTION, CONSTRUCTION SECTION (PHONE 614-645-0433) AND THE DIVISION OF SEWERAGE AND DRAINAGE (PHONE 614-645-7102) AT LEAST 24 HOURS PRIOR TO CONSTRUCTION.

THE DEVELOPER/OWNER SHALL, PRIOR TO ANY CONSTRUCTION OPERATION, DEPOSIT WITH THE CITY THE TOTAL ESTIMATED COST OF INSPECTION, AND WHERE REQUIRED, A REPAVING GUARANTEE.

PERMITS:

THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS. AN ORIGINAL PERMIT WITH RED SIGNATURES SHALL BE KEPT ONSITE AT ALL TIMES.

WHEN OCCUPYING OR EXCAVATING WITHIN PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE TRAFFIC MANAGEMENT PERMIT OFFICE BY CALLING (614) 645-7497 BETWEEN THE HOURS OF 7:30AM AND 4:00PM MONDAY THROUGH FRIDAY.

EXISTING UTILITIES:

THE IDENTITY AND LOCATION OF THE EXISTING UNDERGROUND UTILITY FACILITIES KNOWN TO BE LOCATED IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE PLANS AS ACCURATELY SHOWN AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF COLUMBUS AND/OR ENGINEER ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OF LOCATIONS OR DEPTHS OF THE UNDERGROUND FACILITIES SHOWN ON THE PLANS.

INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS IMPROVEMENT ITEMS. THE CONTRACTOR SHALL CAUSE NOTICE TO BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE (PHONE - 800-362-2764 TOLL FREE) AND TO THE OWNERS OF THE UNDERGROUND UTILITY FACILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE, IN ACCORDANCE WITH SECTION 153.64 OF THE REVISED CODE. THE ABOVE-MENTIONED NOTICE SHALL BE GIVEN AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION.

SANITARY SEWERS:

PIPE SPECIFICATIONS FOR THE PLAN IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- P.V.C. GRAVITY SEWER PIPE ASTM D3034 (SDR-35) FOR 6" - 15" DIAMETER PIPE W/JOINT SPECIFICATIONS PER ASTM D3212.
- P.V.C. GRAVITY SEWER PIPE ASTM F-679 OR F-794 FOR 18" DIAMETER PIPE W/JOINT SPECIFICATIONS PER ASTM D3212

PIPE SHALL BE ON APPROVED MATERIALS LIST.

SERVICE RISER, ITEM 914, SHALL BE INSTALLED WHERE DEPTH FROM THE WYE FITTING TO THE EXISTING OF PROPOSED SURFACE ELEVATION EXCEEDS 10 FEET. TOP OF RISER SHALL BE NO MORE THAN 9± FEET BELOW EXISTING OR PROPOSED SURFACE ELEVATION, WHICHEVER IS

HIGHER; UNLESS OTHERWISE SPECIFIED ON THIS PLAN.

THE CONTRACTOR SHALL PLACE CUTOFF TRENCH DAMS OF NATIVE OR IMPERVIOUS SOILS ACROSS AND ALONG THE TRENCH AT 150 FOOT INTERVALS TO RETARD AND RESIST THE MOVEMENT OF GROUNDWATER THROUGH THE TRENCH GRANULAR BEDDING OR BACKFILL MATERIAL AS NOTED IN CMSC ITEM 901.11.

FIELD LEAKAGE TESTING SHALL BE PERFORMED ON ALL SECTIONS OF SANITARY SEWER PROJECTS (INCLUDING SERVICE LINES CONSTRUCTED UNDER THE SEWER PLAN) IN ACCORDANCE WITH 901.20 OF THE CITY OF COLUMBUS MATERIAL SPECIFICATIONS. ALL MANHOLES WILL ALSO BE TESTED IN ACCORDANCE WITH THE CURRENT 901.20 SPECIFICATIONS.

ALL P.V.C. SEWER PIPES LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT VERSION.

ACCEPTANCE TESTING (DEFLECTION AND LEAKAGE) OF ALL SANITARY SEWERS SHALL REQUIRE A 30 DAY WAITING PERIOD FROM THE DATE OF FINAL BACKFILLING TO THE TESTING. THIS SHALL INCLUDE ALL LATERALS INSTALLED AS PART OF MAINLINE CONSTRUCTION. TESTING SHALL CONFORM TO THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIALS SPECIFICATIONS CURRENT VERSION.

ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

ALL PROPOSED TOP OF CASTING ELEVATIONS AND EXISTING SANITARY & STORM INVERTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE SANITARY SEWER.

ALL CONCRETE PIPE, STORM AND SANITARY SEWER STRUCTURES SHALL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEET THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL:

IT IS THE RESPONSIBILITY OF THE SITE OWNER TO NOTIFY THE CITY OF COLUMBUS 2 WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE DISTURBANCE ON ANY SITE OF ONE OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATION TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT THE STORMWATER MANAGEMENT OFFICE BY PHONE AT (614) 645-6700 OR FAX AT (614) 645-1840. DETAILS OF THE REQUIREMENTS MAY BE FOUND IN THE EROSION AND SEDIMENT POLLUTION CONTROL REGULATION (ADOPTED JUNE 1, 1994). FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT SECTION AS DETAILED IN THE COLUMBUS CITY CODES SECTION 1145.80.

EROSION AND SEDIMENTATION CONTROL WILL BE ESTABLISHED THROUGHOUT THE PROJECT LIMITS AS A PART OF THE PRIVATE STORM SEWER & STORMWATER FACILITIES FOR THE OHIO EXPO CENTER AGRICULTURE PAVILION PLAN CC-16905. GENERAL MAINTENANCE OF THE EXISTING EROSION AND SEDIMENTATION CONTROL FEATURES SHALL BE THE OBLIGATION OF THE SITE STORM WATER CONTRACTOR. COPIES OF THE STORM SEWER & GRADING PLAN MAY BE OBTAINED FROM THE OWNER/DEVELOPER.

THE SANITARY SEWER CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTING AND/OR REPLACING SITE EROSION AND SEDIMENT CONTROL AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE SANITARY SEWER. TEMPORARY REMOVAL OF THE EROSION AND SEDIMENTATION CONTROL FEATURES SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER.

LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE "EROSION AND SEDIMENT CONTROL REGULATION". ALL

LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ACTION.

THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINE STRUCTURES OR PIPE ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR THE USE OF AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUEST FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO TIMES CONVENIENT TO THE CONTRACTOR.

THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING:

- PROPER PLACEMENT OF EACH STRUCTURE.
- PROPER INSTALLATION OF PIPE RUNS.
- GRADE AFTER AN OVERNIGHT OR LONGER SHUTDOWN.
- GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE OF INSTALLATION.

GRADE CHECKS PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVES THE CONTRACTOR FOR THE ULTIMATE RESPONSIBILITY TO ENSURE CONSTRUCTION TO THE PLAN GRADE.

THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTling OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.

WATER SERVICE NOTES

NO WATER SERVICE CONSTRUCTION BEFORE OR AFTER METER SHALL BEGIN PRIOR TO THE WATER SERVICE PERMIT BEING ISSUED & FEE PAYMENT TO THE COLUMBUS DIVISION OF WATER.

THE CITY OF COLUMBUS "C.M.S.C." 2012 EDITION SHALL GOVERN ALL WATER SERVICE WORK UP TO & INCLUDING THE METER & METER BYPASS & BACKFLOW PREVENTER.

THERE SHALL BE A MINIMUM 10' HORIZONTAL & 18" VERTICAL SEPARATION BETWEEN WATER TAPS, WATER SERVICES, PRIVATE WATER SYSTEMS & ANY SANITARY &/OR STORM SEWER SYSTEMS PER THE TEN STATES STANDARDS 8.8.2 & 8.8.3. SEE SITE UTILITY PLANS & PROFILES FOR ADDITIONAL INFORMATION.

BACKFLOW PREVENTION ASSEMBLY TO BE INSTALLED WHERE NEEDED PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWING L-9002C DATED 5/16/13. MECHANICAL CONTRACTOR SHALL CALL (614) 645-6674 WITH QUESTIONS AND (614) 645-5781 TO REQUEST INSPECTIONS - A 24 HOUR NOTICE IS REQUIRED.

EXISTING HIGH STREET RIGHT-OF-WAY LINE SHALL BE STAKED AT 10 FEET NORTH & SOUTH OF PROPOSED 1" WATER SERVICE VALVES BY A STATE OF OHIO LICENSED SURVEYOR WHEN THE 1.5" WATER SERVICE TAP, SERVICE LINE & VALVES ARE INSPECTED BY THE COLUMBUS DIVISION OF WATER.

ALL EXPOSED 12" WATER MAIN SHALL BE POLYWRAPPED TO A POINT 10' EAST OF THE WATER TAPPING VALVES PER AWWA SPEC #C-105.

1" WATER SERVICES SHALL BE FLUSHED BY THE SITE UTILITY CONTRACTOR PRIOR TO METER INSTALLATION. ANY METER DAMAGE CAUSED DUE TO NON-FLUSHING SHALL BE PAID BY THE SITE UTILITY CONTRACTOR.

UTILITY INFORMATION

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES, AND OTHER INFORMATION IS ONLY AS ACCURATE AS THE INFORMATION PROVIDED BY THE OWNERS OF THE UTILITY COMPANY. THIS INFORMATION IS NOT REPRESENTED, WARRANTED OR GUARANTEED TO BE COMPLETE OR ACCURATE.

SPECIAL NOTES

THESE CITY OF COLUMBUS DIVISIONS ARE NOT MEMBERS OF OUPS AND MUST BE CONTACTED SEPARATELY. FAX MARKING REQUEST NOT LESS THAN TWO (2) BUSINESS DAYS PRIOR TO CONSTRUCTION.

TRAFFIC MANAGEMENT	TELECOMMUNICATION	COMMUNICATIONS
1820 E. 17TH AVENUE COLUMBUS, OH 43219 (614) 645-7393 (614) 645-5967 FAX	90 W. BROAD STREET COLUMBUS, OH 43215 (614) 645-7756 (614) 645-6627 FAX	4211 GROVES ROAD COLUMBUS, OH 43232 (614) 724-7047 (614) 645-6588 FAX (614) 724-4006 RADIO ROOM

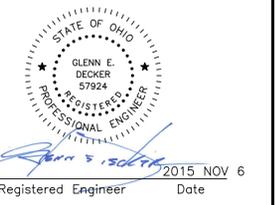
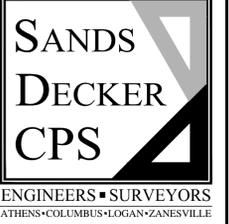
PERMIT NOTE:

CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED PRIOR TO COMMENCING WORK.

SANITARY PERMIT NOTE:

CONTACT SEWER PERMIT OFFICE 910 DUBLIN RD, 3RD FLOOR 614-645-7490 FOR ANY WORK INVOLVING THE EXISTING SANITARY SERVICE LATERAL(S) OUTSIDE OF THE BUILDINGS AND IF ANY NEW CONNECTIONS TO THE SANITARY SEWER MAINLINE ARE REQUIRED.

CITY OF COLUMBUS STD. DRAWINGS	
L-6306	CONCRETE VALVE SUPPORTS
L-6309	TYPICAL TRENCH
L-6316	COLUMBUS STD. HEAVY DUTY VALVE BOX
L-6640	ALLOWABLE LEAKAGE TABLE
L-7002	DRAIN TILE REPLACEMENT
AA-S161	TYPICAL CLEANOUT



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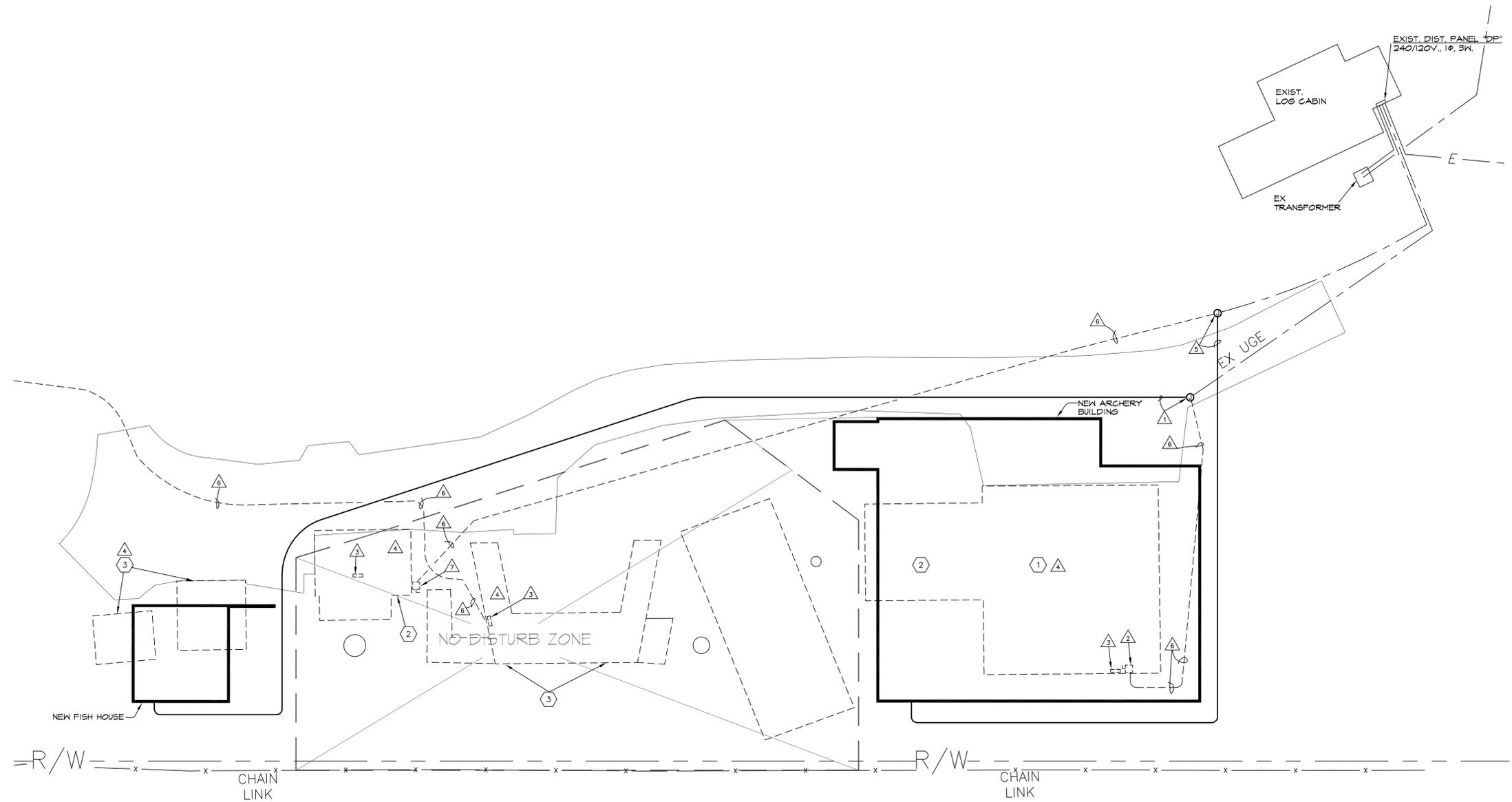
SCHORR ARCHITECTS, INC.
230 BRADENTON AVENUE
DUBLIN, OHIO 43017 (614)798-2096

ENGINEERING
Ohio Department of Natural Resources

ODNR STATE FAIRGROUNDS
FRANKLIN COUNTY
OUTDOOR EDUCATION CENTER

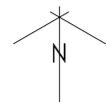
DESIGNED BY: DLJ	JOB NUMBER: 1536
DRAWN BY: EKS	SCALE:
CHECKED BY: DLJ	DATE: OCTOBER 29, 2015
APPROVED BY:	REVISED:

SITE PLAN AND DETAILS



11th AVENUE

1 ELECTRICAL SITE PLAN
SCALE: 1" = 10'-0"



PLUMBING/HVAC DEMOLITION NOTES

1. REMOVE EXISTING AIR HANDLING UNIT, DUCTWORK, AIR DEVICES, REFRIGERANT PIPING AND CONDENSING UNIT. PROPERLY CAPTURE REFRIGERANT.
2. REMOVE EXISTING EXHAUST FAN.
3. REMOVE SINK, DRAIN PIPING AND ALL DOMESTIC WATER PIPING BACK TO MAIN AND CAP. VERIFY ROUTING IN FIELD. DO NOT DISTURB SURROUNDING PLANTS AND TREES.

ELECTRICAL CODED NOTES

1. PROVIDE GRADE MOUNTED PULLBOX AND INTERCEPT EXISTING 2" CONDUIT AND EXISTING 100 AMP WIRING AND EXTEND TO NEW BUILDING AS SHOWN.
2. EXISTING 60A, 2P, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE SHALL BE DISCONNECTED AND REMOVED.
3. EXISTING PANEL TO BE DISCONNECTED AND REMOVED.
4. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL ITEMS AND ASSOCIATED WIRING ASSOCIATED WITH BUILDING.
5. PROVIDE GRADE MOUNTED PULLBOX AND INTERCEPT EXISTING 2" CONDUIT AND EXISTING 60 AMP WIRING AND EXTEND TO NEW BUILDING AS SHOWN.
6. REMOVE EXISTING CONDUIT AND WIRING WHERE IT INTERFERES WITH NEW WORK. OTHERWISE ABANDON IN PLACE. EXACT ROUTING OF UNDERGROUND CONDUIT IS UNKNOWN.
7. EXISTING 100A, 2P, DISCONNECT SWITCH IN NEMA 3R ENCLOSURE SHALL BE DISCONNECTED AND REMOVED.



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230 BRADENTON AVENUE
DUBLIN, OHIO 43017 (614)798-2096



ENGINEERING
Ohio Department of Natural Resources

ODNR STATE FAIRGROUNDS
FRANKLIN COUNTY
OUTDOOR EDUCATION CENTER

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

JOB NUMBER: 1536
SCALE:
DATE: OCTOBER 29, 2015
REVISED:

SITE UTILITY PLAN

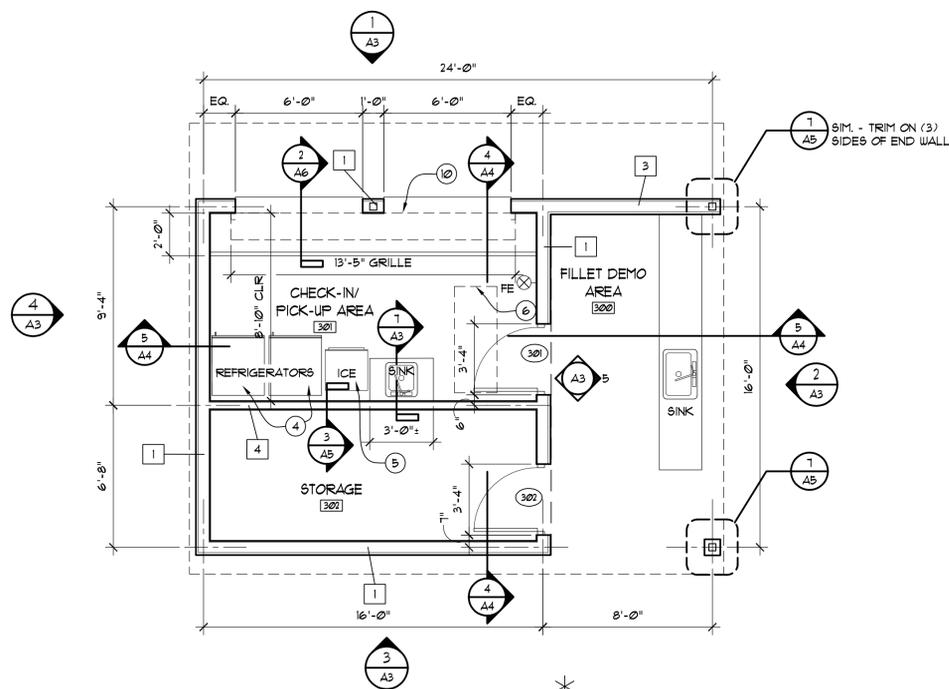
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20

ROOM FINISH SCHEDULE:

ROOM NUM.	ROOM NAME	FLOORS	BASE	WALLS	CEILING	REMARKS
100	VESTIBULE	●	●	●	●	
101	ARCHERY	●	●	●	●	
102	VESTIBULE	●	●	●	●	
103	STORAGE/MECHANICAL	●	●	●	●	
104	VESTIBULE	●	●	●	●	
105	AIR-GUN	●	●	●	●	
106	PORCH	●	●	●	●	
300	FILLET DEMO AREA	●	●	●	●	
301	CHECK-IN/PICK-UP AREA	●	●	●	●	
302	STORAGE	●	●	●	●	

WALL LEGEND

- 1 6" MTL. STUD WALL w/ 3/8" HD. G.W.B. ON INTERIOR SIDE, AND 3/8" SHEATHING 4" HARDIEPLANK LAP SIDING ON THE EXTERIOR
- 2 6" MTL. STUD WALL w/ 3/8" HD. G.W.B. ON BOTH SIDES
- 3 6" MTL. STUD WALL w/ 3/8" HD. SHEATHING 4" HARDIEPLANK LAP SIDING ON BOTH SIDES
- 4 4" MTL. STUD WALL w/ 3/8" HD. G.W.B. ON BOTH SIDES



1 FISH HOUSE PLAN
SCALE: 1/4" = 1'-0"

CODED NOTES

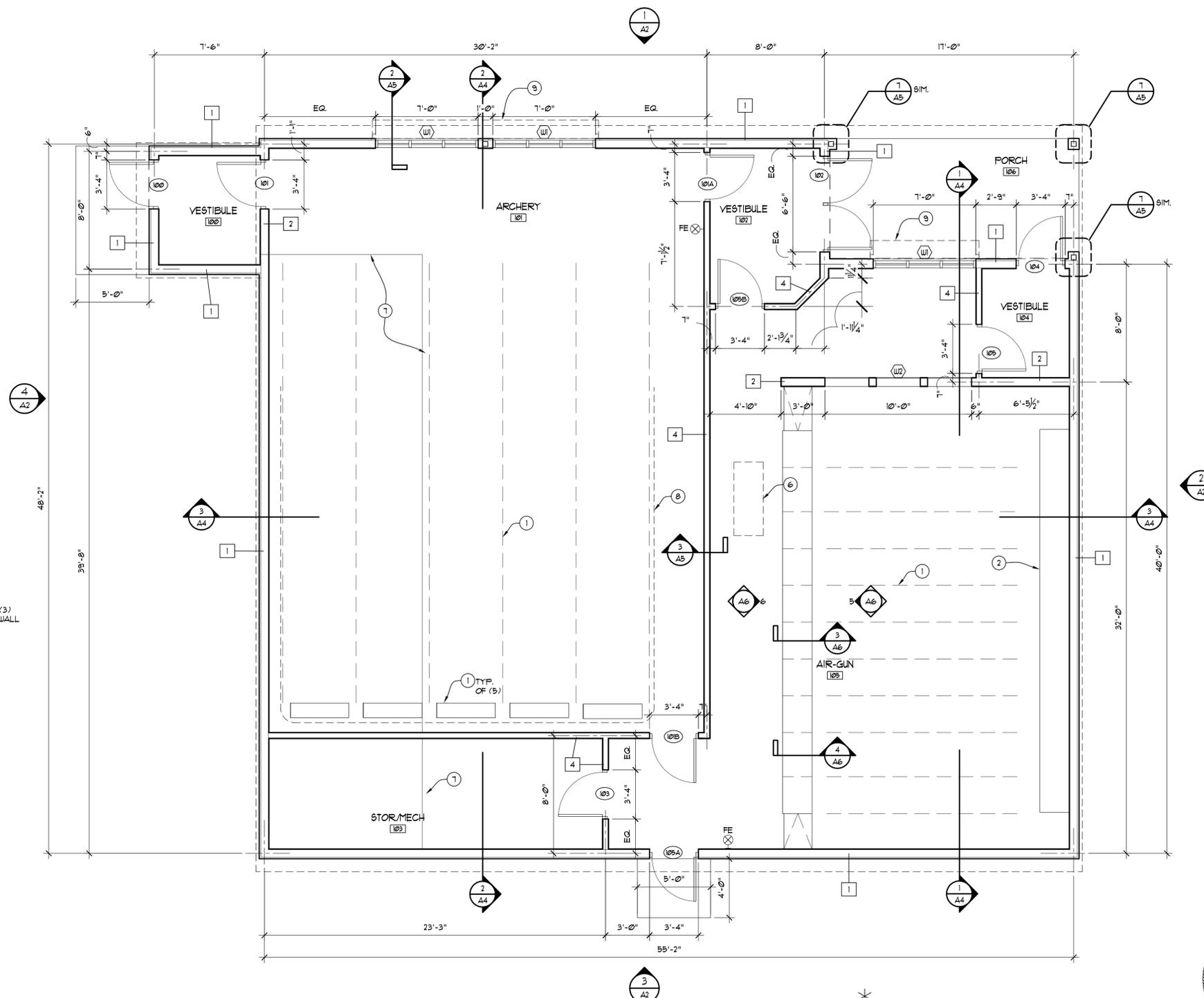
- DASHED LINE INDICATES RANGE FIRING LANE FOR DESIGN PURPOSE ONLY.
- TARGET TRAP EQUIPMENT PROVIDED BY OWNER SHOWN FOR DESIGN PURPOSE ONLY.
- ARCHERY TARGET AND STANDS PROVIDED BY OWNER SHOWN FOR DESIGN PURPOSE ONLY.
- EXISTING REFRIGERATORS PROVIDED BY OWNER, TO BE REINSTALLED AT THIS LOCATION.
- EXISTING ICE MACHINE PROVIDED BY OWNER, TO BE REINSTALLED AT THIS LOCATION.
- ACCESS PANEL ABOVE, PROVIDE FRAMED OPENING BETWEEN TRUSSES FOR ACCESS PANEL ABOVE CEILING. PROVIDE 2x TRIM (PAINTED) AROUND CEILING OPENING AND PAINTED PLYWOOD PANEL TO PLACE ON TRIM. SEE DTL. X/X

INDICATED BY: ○

GENERAL NOTES

- WALL DIMENSIONS TO CENTER LINE OF STUD PARTITIONS, TYPICAL.
- SEE GENERAL NOTES SHEET 2.

- CONTROL JOINT CUT @ JUNCTURE OF CANTILEVERED PRECAST PANEL AND SLAB ON GRADE, SEE DETAIL 1/A5.
- PROVIDE OVERHEAD PIPE SUPPORT TRACK FOR ARCHERY CURTAIN. SECURE TRACK THRU CEILING TO STRUCTURE ABOVE @ 4'-0" O.C. TRACK SHOULD BE APPROX. 12'-0" AFF. ALIGN TRACK UNDER TRUSS SUPPORT AND OUTSIDE OF ARCHERY LANES. SEE DTL. X/X.
- ROLLING OVERHEAD DOOR AT WINDOW OPENING ABOVE. SEE ELEV. 1/A2.
- OVERHEAD ROLLING SECURITY COUNTER GRILLE ABOVE. SEE ELEV. 1/A3.



2 OUTDOOR EDUCATION CENTER PLAN
SCALE: 1/4" = 1'-0"

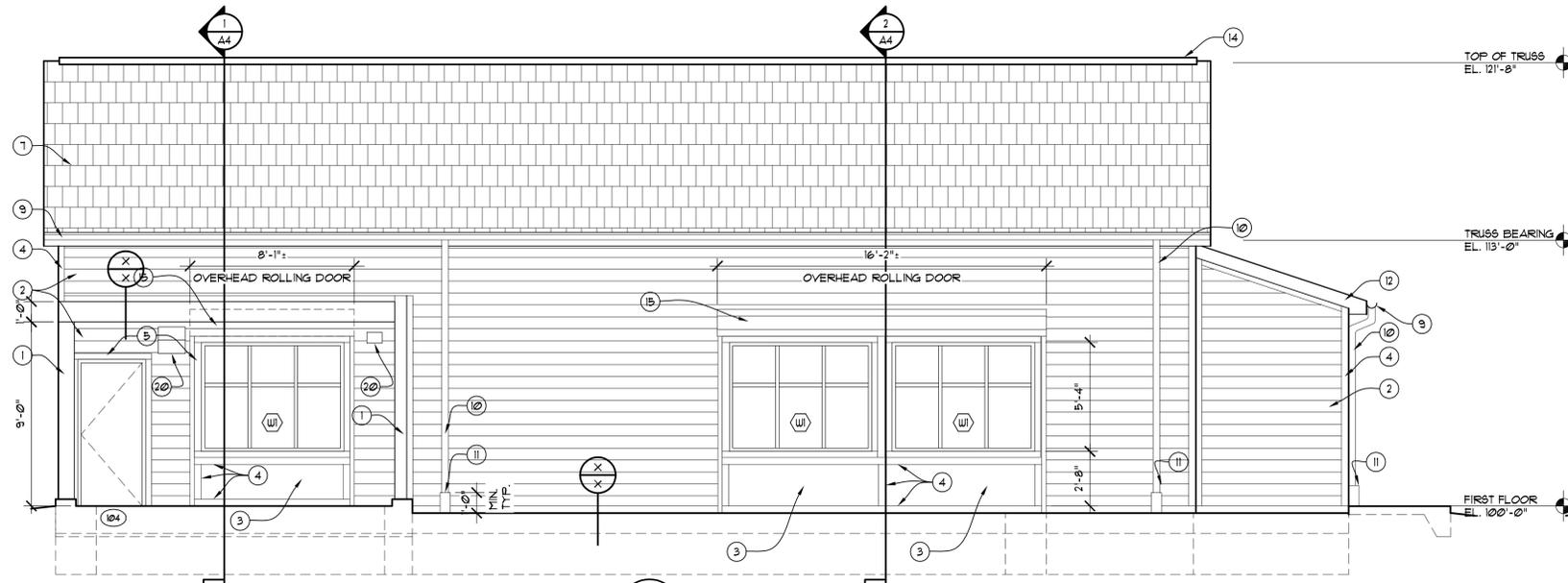


TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2015
SIGNED: Tony Schorr DATE: 11-08-15

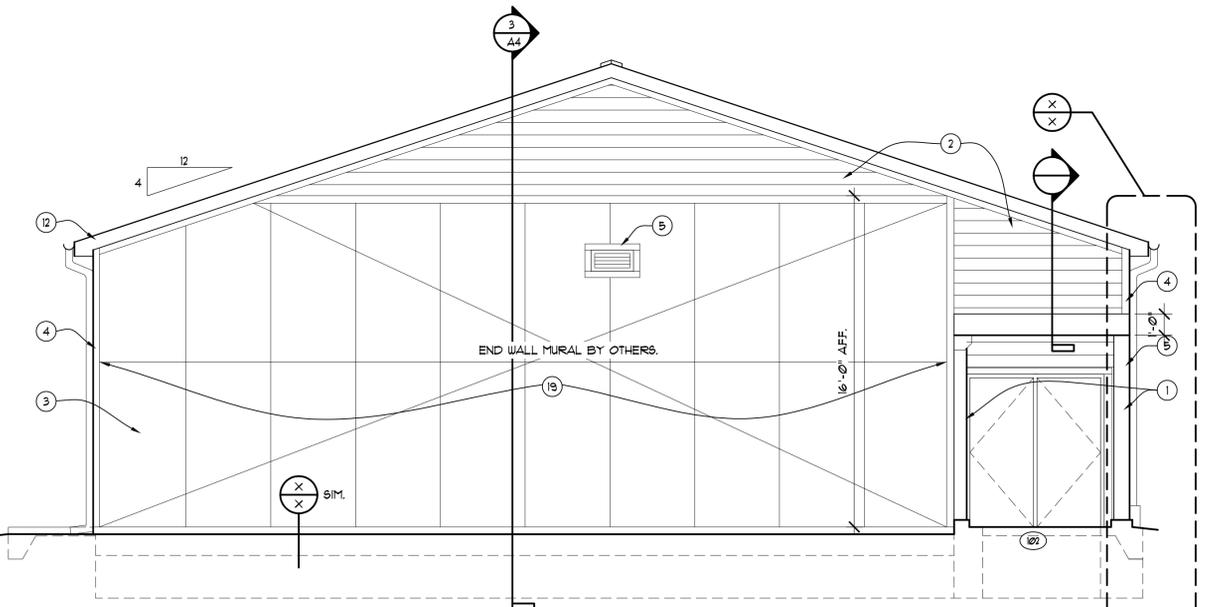
CODED NOTES

INDICATED BY: ○

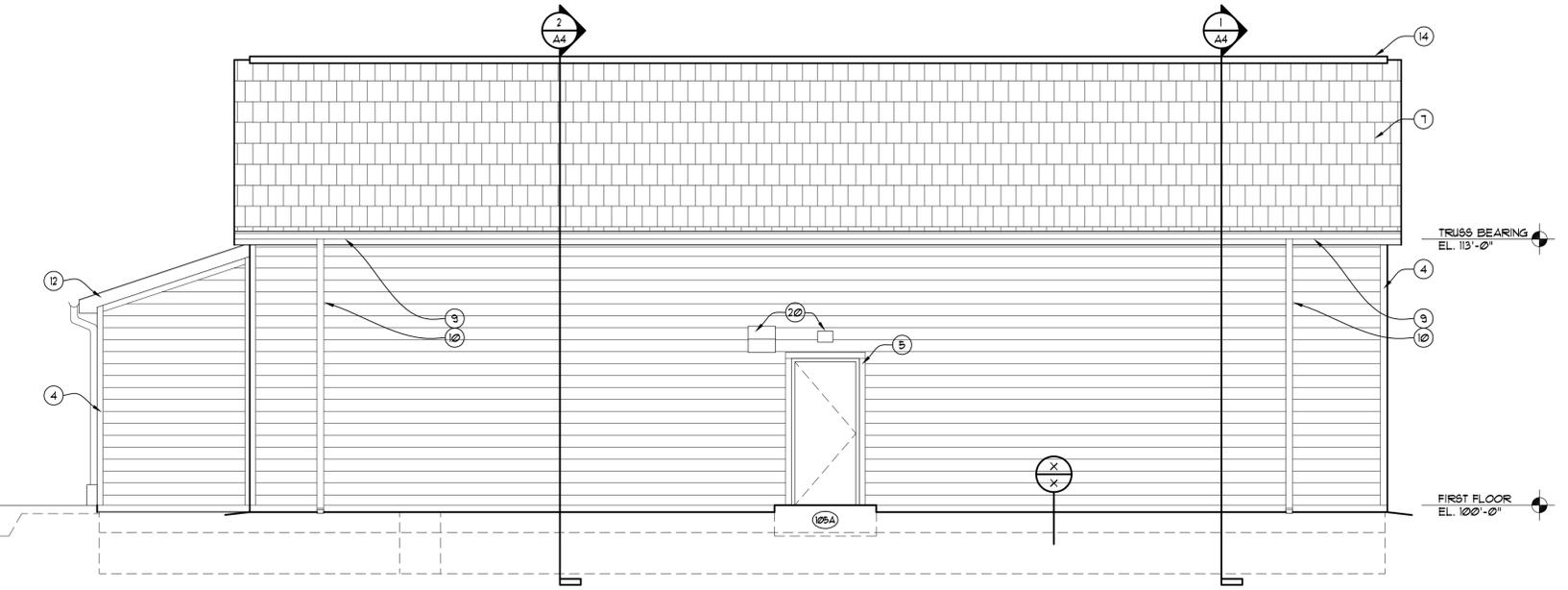
- 1. CEMENT FIBER TRIM BOARD @ COLUMNS, TYPICAL.
- 2. CEMENT FIBER LAP SIDING.
- 3. 4x8' SMOOTH FIBER CEMENT SIDING PANELS.
- 4. 4" CEMENT FIBER TRIM BOARDS (TYPICAL ALL CORNERS).
- 5. 4" CEMENT FIBER TRIM BOARDS (TYPICAL @ DOORS & WINDOWS)
- 6. CONTINUOUS FLASHING AT ROOF/WALL JUNCTURE.
- 7. DIMENSIONAL ASPHALT SHINGLES.
- 8. SIDEWALK AND GRADE, SLOPE AWAY FROM BUILDING.
- 9. 6" @ HALF-ROUND GALVANIZED GUTTER.
- 10. 4"x4" ROUND GALVANIZED DOWNSPOUT.
- 11. CAST IRON DOWNSPOUT BOOT. SEE CIVIL DUGS FOR UNDERGROUND STORM DRAIN.
- 12. RAKE TRIM, SEE DETAIL 6/A5.
- 13. LOUVER, SEE HYAC FOR SIZE.
- 14. CONTINUOUS RIDGE VENT, TYPICAL. SEE DETAIL 5/A5.
- 15. OVERHEAD ROLLING SECURITY GRILLE.
- 16. WINDOW, SEE WINDOW SHEET.
- 17. FOUNDATION, RE SHEET S2 AND S2.1.
- 18. TV ENCLOSURE CABINET.
- 19. CONTINUOUS HORIZONTAL METAL FLASHING AT PANEL JUNCTURE PER MANUFACTURER.
- 20. SEE ELECTRICAL DRAWINGS FOR SECURITY AND EMERGENCY LIGHTING.



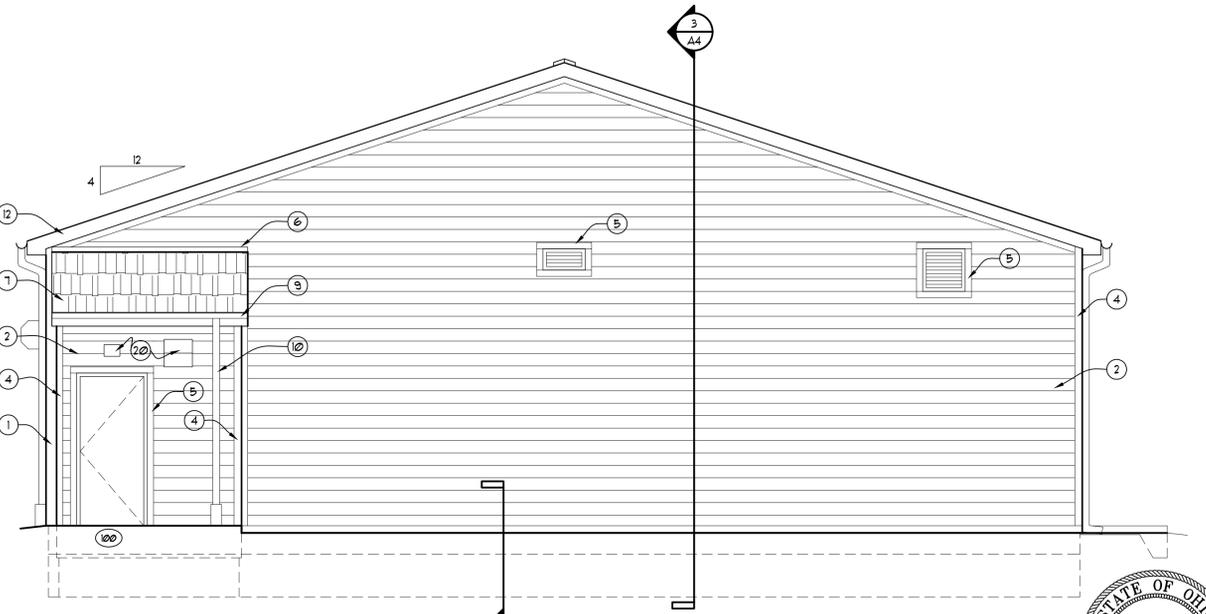
1 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



2 EAST ELEVATION
SCALE: 1/4" = 1'-0"



3 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

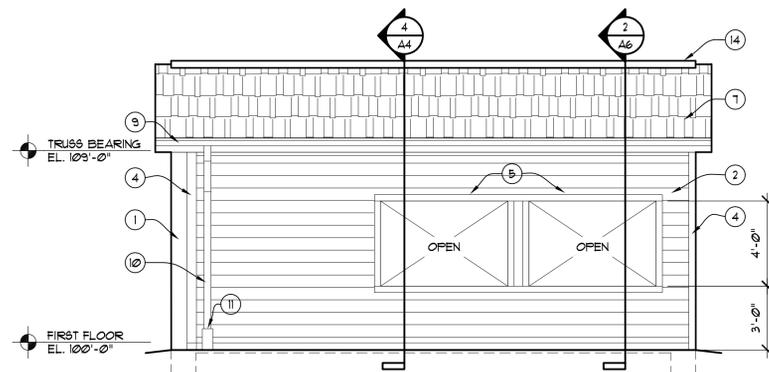


4 WEST ELEVATION
SCALE: 1/4" = 1'-0"

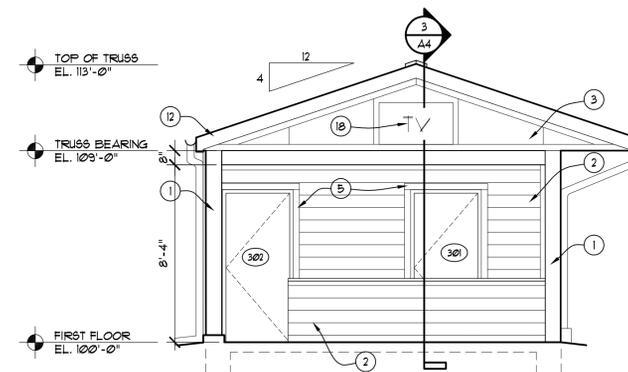


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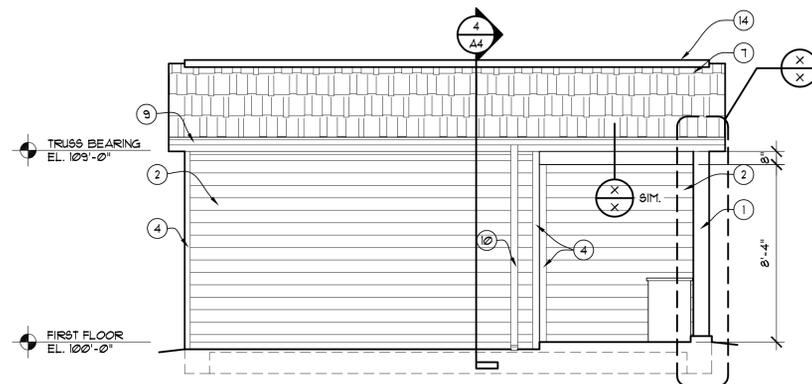
1. CEMENT FIBER TRIM BOARD @ COLUMNS, TYPICAL.
2. CEMENT FIBER LAP SIDING.
3. 4'x8' SMOOTH FIBER CEMENT SIDING PANELS.
4. 4" CEMENT FIBER TRIM BOARDS (TYPICAL ALL CORNERS).
5. 4" CEMENT FIBER TRIM BOARDS (TYPICAL @ DOORS & WINDOWS)
6. CONTINUOUS FLASHING.
7. DIMENSIONAL ASPHALT SHINGLES.
8. SIDEWALK AND GRADE, SLOPE AWAY FROM BUILDING.
9. 6" x 9" HALF-ROUND GALVANIZED GUTTER.
10. 4"x4" ROUND GALVANIZED DOWNSPOUT.
11. PVC DOWNSPOUT LEADERS, SLOPE TO DAYLIGHT.
12. RAKE TRIM, SEE DETAIL 6/A5.
13. LOUVER, SEE HYAC FOR SIZE.
14. CONTINUOUS RIDGE VENT, TYPICAL. SEE DETAIL 5/A5.
15. OVERHEAD ROLLING SECURITY GRILLE.
16. WINDOW, SEE WINDOW SHEET.
17. FOUNDATION, RE SHEET S2 AND S21.
18. EXTERIOR GRADE ENCLOSURE CABINET FOR MAX 48" DIGITAL TV, PROVIDE ENCLOSURE SIMILAR TO INSIGHT DIGITAL SIGNAGE MODEL WITH 15 DEGREE TILTED ANGLE. FRONT PANEL TO BE OPENED FOR ACCESS AND ENCLOSURE TO HAVE BUILT-IN FAN. PROVIDE BLOCKING IN WALL FOR THRU-WALL ATTACHMENT. COORDINATE LOCATION WITH POWER. SIMILAR AVAILABLE MANUFACTURERS INCLUDE, OUTDOOR TV ENCLOSURE OR ARAMGARD.



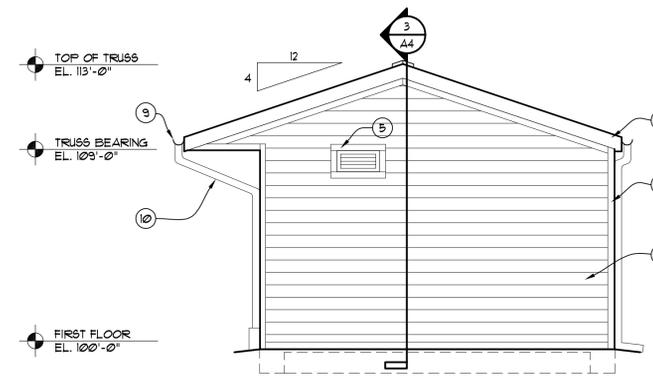
1 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



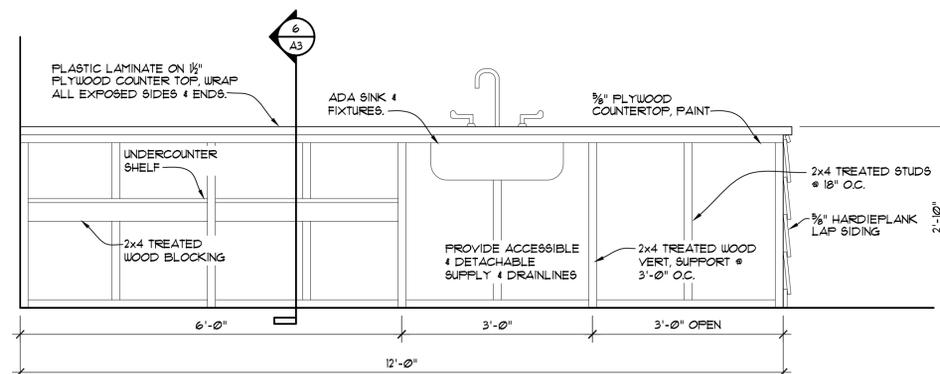
2 EAST ELEVATION
SCALE: 1/4" = 1'-0"



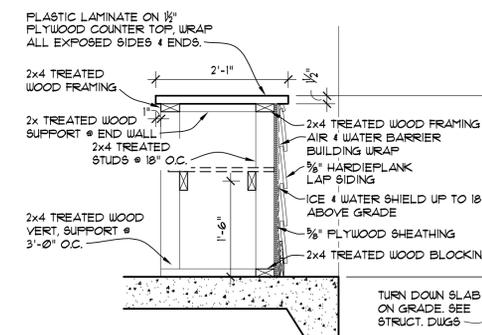
3 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



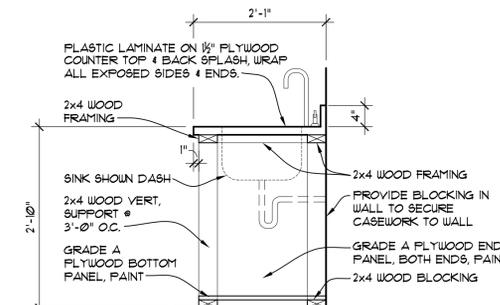
4 WEST ELEVATION
SCALE: 1/4" = 1'-0"



5 DEMO COUNTER REAR ELEVATION
SCALE: 3/4" = 1'-0"



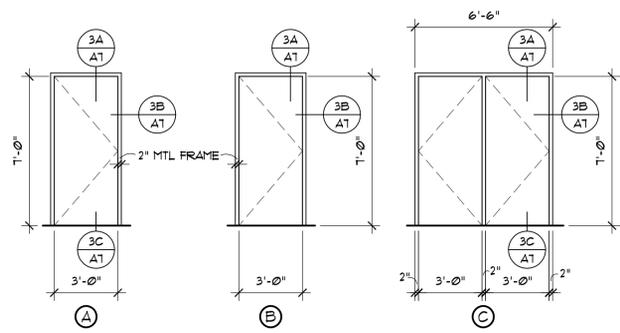
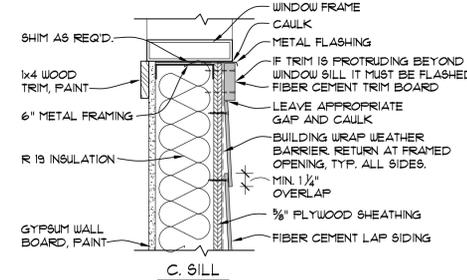
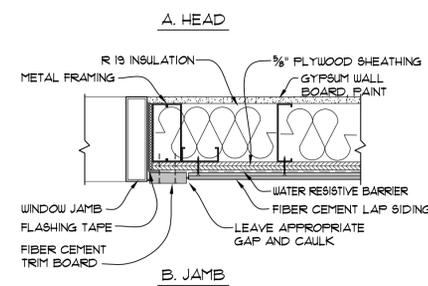
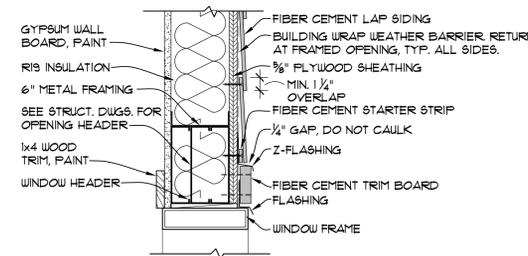
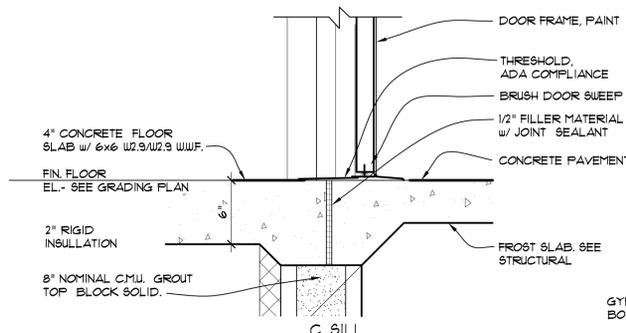
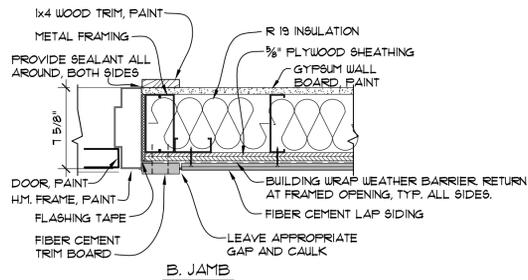
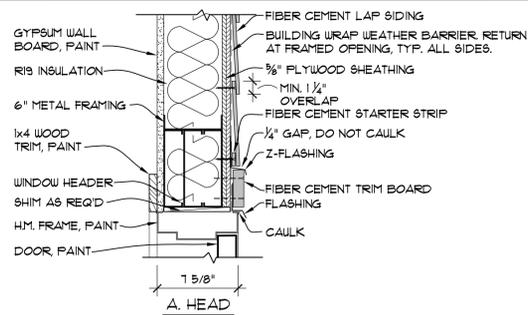
6 DEMO COUNTER SECTION
SCALE: 3/4" = 1'-0"



7 COUNTER SECTION
SCALE: 3/4" = 1'-0"

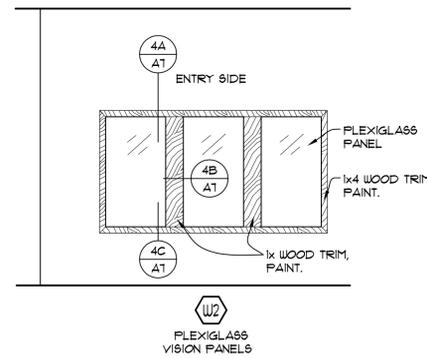
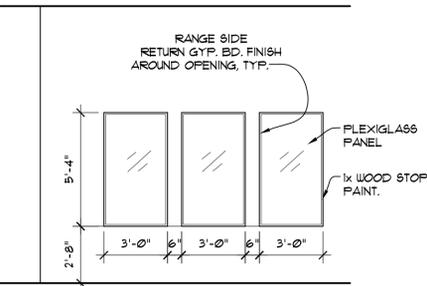


TONY R. SCHORR, LICENSE #8879
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1 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"

3 DOOR DETAILS
SCALE: 1-1/2" = 1'-0"



2 WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"

4 FLEXIGLASS DETAILS
SCALE: 3/4" = 1'-0"

5 WINDOW DETAILS
SCALE: 1-1/2" = 1'-0"

DOOR SCHEDULE								
INFORMATION				CONSTRUCTION DETAILS				
NUMBER	SIZE	TYPE	ELEV	HEAD	JAMB	SILL	HARDWARE	REMARKS
100	3'0" x 1'0" x 1 3/4"	INSUL. MTL.	1A/A1	3A/A1	3B/A1	3C/A1	1	
101	3'0" x 1'0" x 1 3/4"	H.M.	1B/A1	3A/A1	3B/A1	-	3	
101A	3'0" x 1'0" x 1 3/4"	H.M.	1B/A1	3A/A1	3B/A1	-	3	
101B	3'0" x 1'0" x 1 3/4"	H.M.	1B/A1	3A/A1	3B/A1	-	5	
102	3'0" x 1'0" x 1 3/4" (PAIR)	INSUL. MTL.	1C/A1	3A/A1	3B/A1	3C/A1	2	INTEGRAL ASTRAGAL
103	3'0" x 1'0" x 1 3/4"	H.M.	1B/A1	3A/A1	3B/A1	-	4	
104	3'0" x 1'0" x 1 3/4"	INSUL. MTL.	1A/A1	3A/A1	3B/A1	3C/A1	1	
105	3'0" x 1'0" x 1 3/4"	H.M.	1B/A1	3A/A1	3B/A1	-	3	
105A	3'0" x 1'0" x 1 3/4"	INSUL. MTL.	1A/A1	3A/A1	3B/A1	3C/A1	3	
105B	3'0" x 1'0" x 1 3/4"	H.M.	1B/A1	3A/A1	3B/A1	-	1	
301	3'0" x 1'0" x 1 3/4"	INSUL. MTL.	1A/A1	3A/A1	3B/A1	3C/A1	1	
302	3'0" x 1'0" x 1 3/4"	INSUL. MTL.	1B/A1	3A/A1	3B/A1	3C/A1	1	



TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2015
SIGNED: Tony Schorr DATE: 11-08-15

STRUCTURAL NOTES:

GENERAL:

1. DESIGN PARAMETERS:
 - A. SOIL BEARING PRESSURE: 2000 PSF (VERIFY PRIOR TO CONSTRUCTION).
 - B. DESIGN LIVE LOADS:
 - C. CLASSROOMS, OFFICE – 50 PSF + 20 PSF PARTITION LOAD.
 - 1) PUBLIC ROOMS & CORRIDORS SERVING THESE ROOMS – 100 PSF.
 - 2) ROOF DESIGN LIVE LOADS – 25 PSF PLUS THE EFFECTS OF DRIFTING SNOW PER O.B.C. LIVE LOAD REDUCTIONS COMPUTED IN ACCORDANCE WITH THE OHIO BUILDING CODE.
 - D. ROOF SNOW LOAD DESIGN PARAMETERS
 - 1) FLAT-ROOF SNOW LOAD (Pf) = 25 PSF
 - 2) SNOW EXPOSURE FACTOR (Ce) = 1.0
 - 3) SNOW LOAD IMPORTANCE FACTOR (I) = 1.0
 - 4) THERMAL FACTOR (Ct) = 1.0
 - 5) PROVISIONS FOR SNOW DRIFTING AND UNBALANCED SNOW LOAD SHALL BE CONSIDERED IN DESIGN.
 - E. WIND LOAD DESIGN PARAMETERS
 - 1) BASIC WIND SPEED = 90 MPH
 - 2) WIND LOAD IMPORTANCE FACTOR (I) = 1.0
 - 3) WIND EXPOSURE = EXPOSURE B
EXPOSURE FACTOR (Ce) = 1.0 PARTIALLY EXPOSED.
 - 4) MAIN WIND DESIGN PRESSURE (P)
 - 5) EXPOSURE B:
WIND LOAD:
0' – 30' = 14 PSF
31' – 40' = ** PSF
41' – 60' = ** PSF
 - F. SEISMIC DESIGN PARAMETERS
 - 1) SEISMIC USE GROUP I
 - 2) SPECTRAL RESPONSE COEFFICIENTS:
SDS = 0.129
SD1 = 0.100
 - 3) SITE CLASS D
 - 4) BASIC SEISMIC – FORCE RESISTING SYSTEM:
LIGHT FRAME WALLS W/ SHEAR PANELS.
ALL OTHER MATERIALS.
 - 5) DESIGN BASE SHEAR = 8.0 KIPS
 - 6) ANALYSIS PROCEDURE – EQUIVALENT LATERAL FORCE PROCEDURE
2. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE-DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
3. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
4. VERIFY BEFORE FABRICATION OR CONSTRUCTION, ALL OPENINGS, LINTELS, EQUIPMENT SUPPORTS AND OTHER CONSTRUCTION REQUIRED FOR MECHANICAL WORK.
5. STRUCTURAL SUPPORTS ARE DESIGNED FOR EQUIPMENT LOADS SHOWN ON DRAWINGS. VERIFY EQUIPMENT WEIGHTS AND DIMENSIONS. CONTACT ARCHITECT IF ACTUAL WEIGHTS ARE GREATER THAN SHOWN.
6. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE ARCHITECT.
7. PROVIDE LINTELS OF ADEQUATE SIZE FOR ALL OPENINGS NOT SPECIFICALLY NOTED ON THE DRAWINGS.
8. ALL CONNECTIONS ARE TO DEVELOP FULL STRENGTH OF THE FRAMING MEMBERS UNLESS OTHERWISE NOTED. PROVIDE STIFFENER PLATES, BEARING STIFFENERS AND FASTENERS AS REQUIRED.
9. BRACE ALL WALLS WITH ROOF OR FLOOR FRAMING FOR FULL STRENGTH LATERAL SUPPORT.
10. OBTAIN FIELD MEASUREMENTS OF ALL COMPONENTS AND INSURE ALL APPLICABLE CLEARANCES PRIOR TO THE PREPARATION OF SHOP DRAWINGS AND FABRICATIONS.
11. DETAILS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE PART OF THE STRUCTURAL REQUIREMENTS. IF THE REQUIREMENTS CONFLICT, THE STRICTER REQUIREMENTS SHALL GOVERN.
12. WHERE CONTROL JOINT OR EXPANSION JOINT OF THE EXTERIOR WALL INDICATED, PROVIDE WATER-STOP ABOVE THE FINISHED FLOOR IF EARTH BACKFILL IS AGAINST THE JOINT.
13. EXTEND ALL CONTROL/EXPANSION JOINTS TO THE FOOTING UNLESS OTHERWISE INDICATED.

DEFINITION: A/E SHALL MEAN ARCHITECT OR ENGINEER, ASSOCIATE ARCHITECT OR ASSOCIATE ENGINEER.

MISCELLANEOUS CONSTRUCTION REQUIREMENTS:

1. MINIMUM EMBEDMENT LENGTH OF AN EPOXY DOWEL SHALL BE:
2. #3 REBAR – 3" LG EMBEDMENT
#4 REBAR – 4" LG EMBEDMENT
#5 REBAR – 6" LG EMBEDMENT
3. ALL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED (OR COAT OF SHOP PRIMER. TOUCH UP ALL DAMAGED GALVANIZING OR PAINT AFTER INSTALLATION IS COMPLETED. TOUCH UP FIELD WELDED AREAS AS SPECIFIED.

SPECIAL INSPECTION/QUALITY CONTROL:

1. FOR REQUIREMENT OF TESTING OF CONCRETE STRENGTH, SEE SPECIFICATION SECTION 03300.
2. FOR SPECIAL INSPECTION OF CMU INSTALLATION IN DESIGNATED AREAS, SEE SPECIFICATION SECTION 04810
3. FOR THE REQUIREMENT OF TESTING OF CONNECTIONS, SEE SPECIFICATION SECTION 05120.

CONNECTIONS, FASTENERS AND ACCESSORIES:

UNLESS SPECIFICALLY NOTED OTHERWISE PROVIDE FASTENERS AND ACCESSORIES AS INDICATED HEREIN:

1. PROVIDE TYPE 304 OR 316 STAINLESS-STEEL FASTENERS FOR EXPOSED TO EXTERIOR AND ZINC-PLATED FASTENERS WITH COATING COMPLYING WITH ASTM B 633, CLASS FE/ZN 5, WHERE BUILT INTO EXTERIOR WALLS. SELECT FASTENERS FOR TYPE, GRADE AND CLASS REQUIRED.
2. ANCHOR BOLTS: ASTM F 1554, GRADE 36.
MACHINE SCREWS: ASME B18.6.3
LAG BOLTS: ASME B18.2.1
PLAIN WASHERS: ROUND, CARBON L, ASME B18.22.1
LOCK WASHERS: HELICAL, SPRING TYPE, CARBON STEEL, ASME B18.21.1
3. EXPANSION ANCHORS: ANCHOR BOLT AND SLEEVE ASSEMBLY MATERIAL INDICATED BELOW WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO SIX TIMES THE LOAD IMPOSED WHEN INSTALLED IN UNIT MASONRY AND EQUAL TO FOUR TIMES THE LOAD IMPOSED WHEN INSTALLED IN UNIT MASONRY AND DETERMINED BY TESTING PER ASTM E 488, CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AGENCY. MATERIAL: ALLOY GROUP 1 & 2 STAINLESS-STEEL BOLTS COMPLYING WITH ASTM F 594 AND NUTS COMPLYING WITH ASTM F 594.
4. GROUT:
NONSHRINK, NONMETALLIC GROUT: FACTORY-PACKAGED, NONSTAINING, NONCORROSIVE, NONGASEOUS GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT SPECIFICALLY RECOMMENDED BY MANUFACTURER FOR INTERIOR AND EXTERIOR APPLICATIONS.
5. CAST-IN-PLACE ANCHORS IN CONCRETE: ANCHORS OF TYPE INDICATED BELOW, FABRICATED FROM CORROSION-RESISTANT MATERIALS CAPABLE OF SUSTAINING, WITHOUT FAILURE, THE LOAD IMPOSED WITHIN A SAFETY FACTOR OF 4, AS DETERMINED BY TESTING PER ASTM E 488, CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AGENCY.
6. THREADED OR WEDGE TYPE; GALVANIZED FERROUS CASTINGS, ASTM A47 MALLEABLE IRON OR ASTM A27 CAST STEEL. PROVIDE BOLTS, WASHERS, AND SHIMS AS NEEDED, HOT-DIP GALVANIZED PER ASTM A153.
7. WELDING RODS AND BARE ELECTRODES: SELECT ACCORDING TO AWS SPECIFICATIONS FOR METAL ALLOY WELDED.
8. MINIMUM EMBEDMENT OF FASTENERS SHALL BE AS FOLLOWS U.N.O:
3/8" DIA. – 3" LG EMBEDMENT
1/2" DIA. – 4" LG
3/4" DIA. – 6" LG
MAXIMUM SPACING SHALL BE 24" O.C.

CONCRETE:

1. CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF:
 - A. AMERICAN CONCRETE INSTITUTE CODES AND STANDARDS, INCLUDING, BUT NOT LIMITED TO ACI 310 (AS MODIFIED IN THE PROJECT MANUAL), ACI 305.1, ACI 306, ACI 315, ACI 318 AND SP-15.
 - B. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE."
2. KEEP A COPY OF THE "FIELD REFERENCE MANUAL OF STANDARD PRACTICE."
3. SEE SPECIFICATIONS FOR 28 DAY STRENGTHS OF CONCRETE CLASSES:
 - A. MAX FLY ASH ALLOWED SHALL BE 15% OF PORTLAND CEMENT FOR ALL CLASS OF CONCRETE
 - B. LEAN CONCRETE BELOW FOOTINGS – 1,500 PSI – MIN PORTLAND CEMENT 376 lb/C.YD.
 - C. SEE SPECIFICATIONS FOR WHICH CLASSES OF CONCRETE ARE TO RECEIVE SUPERPLASTICIZER.

4. REINFORCING STEEL WITH THE FOLLOWING MINIMUM YIELD POINTS: 60 KSI – ALL OTHER UNLESS OTHERWISE NOTED.
5. ALL REINFORCING STEEL SHALL BE NEW DEFORMED BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60.
6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A –185 DELIVERED IN FLAT SHEETS.
7. CONTRACTOR SHALL FURNISH 1 TONS OF #5 REINFORCING BARS DELIVERED TO THE JOB SITE IN STANDARD LENGTHS AND FABRICATED AND PLACED AS DIRECTED BY THE A/E. THE UNUSED MATERIAL SHALL BE REMOVED AND CREDITED TO THE PROJECT.
8. CONTRACTOR SHALL REVIEW ALL DRAWINGS ELECT. ARCH. AND MECH. FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ETC. REQUIRED BY OTHER TRADES. RECONCILE THEIR EXACT SIZES AND LOCATIONS BEFORE PROCEEDING WITH THE WORK. ALL ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE. SECURE THE APPROVAL OF THE A/E PRIOR TO PLACING OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
9. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED. USE STANDARD 90-DEGREE BAR HOOK U.O.N.
10. WHERE CONSTRUCTION JOINTS ARE REQUIRED BUT ARE NOT INDICATED ON THE DRAWINGS, THEY SHALL BE LOCATED AT MID-SPAN OF SLABS AND SHALL BE SUBJECT TO REVIEW BY THE A/E OR OWNER. UNLESS OTHERWISE NOTED OR SHOWN ON THE DRAWINGS, PROVIDE A CONTINUOUS SHEAR KEY IN SLABS. THE MINIMUM KEY SIZE SHALL BE 1 1/2" DEEP BY 1/3 THE DEPTH OF WIDTH OF THE MEMBER.
11. REINFORCE ALL SLABS WITH ONE LAYER OF WELDED WIRE FABRIC AS FOLLOWS UNLESS OTHERWISE NOTED OR UNLESS BOTTOM REINFORCING BARS ARE CALLED FOR IN TWO DIRECTIONS:
6x6xW1.4/W1.4 BEARS ON GROUND AND ALL OTHER SLABS
12. LAP ALL COMPRESSION SPLICES 30 BAR DIAMETERS. LAP ALL OTHER SPLICES IN ACCORDANCE WITH THE FOLLOWING:
 - A. IF NOT MORE THAN ONE-HALF OF THE BARS ARE LAP SPLICES WITHIN A LAP LENGTH, PROVIDE LAPS IN ACCORDANCE WITH THE FOLLOWING TABLE (CLASS B SPLICES):

BAR SIZE	#3	#4	#5	#6	#7	#8	#9
*TOP BARS	1'-4"	1'-10"	2'-3"	2'-11"	3'-5"	4'-7"	5'-9"
OTHER BARS	1'-4"	1'-4"	1'-8"	2'-1"	2'-6"	3'-3"	4'-1"

*HORIZONTAL BARS W/ MORE THAN 12 INCHES OF CONC. BELOW.

 - B. IF MORE THAN ONE-HALF OF THE BARS ARE LAP SPLICED WITHIN A LAP LENGTH, INCREASE THE ABOVE TABULATED LAP LENGTHS 30% (CLASS C SPLICES).
13. FURNISH CLEARANCES BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE AS FOLLOWS:
 - 3" CONCRETE PLACED AGAINST GROUND.
 - 2" FORMED SURFACES EXPOSED TO WEATHER OR GROUND.
 - 1 1/2" BEAMS AND COLUMNS.
 - 3/4" SLABS, JOISTS AND WALLS NOT EXPOSED TO WEATHER.
14. BEND ALL FOOTING BARS 1'-0" AROUND CORNERS OR PROVIDE CORNER BARS WITH 2'-0" LAP.

FOUNDATIONS:

1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH SUB-SURFACE INVESTIGATION REPORT BY (GEOTECHNICAL CONSULTANTS INC.) DATED OCTOBER 1, 2015. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SURVEY AND THE SUB-SURFACE INVESTIGATION REPORT BEFORE BEGINNING CONSTRUCTION. COPIES OF THE SOILS AND FOUNDATION INVESTIGATION REPORT AREA ARE AVAILABLE FOR INSPECTION IN THE OFFICE OF THE ARCHITECT.
2. CONFORM TO THE RECOMMENDATION OF THE SOIL ENGINEER FOR EXCAVATION, BACKFILL, PREPARATION OF SUBSOIL, UNDERCUTTING AND COMPACTION OF EXISTING SOIL, ENGINEERED BACK FILL, BUILDING PAD PREPARATION, SITE DRAINAGE, ETC. FOR EARTH WORK FOR BUILDING CONSTRUCTION.
3. NOTIFY THE A/E AS SOON AS POSSIBLE OF ANY UNUSUAL SOIL CONDITIONS OR SOIL CONDITIONS IN VARIANCE WITH TEST BORINGS, SUCH AS UNEXPECTED SPRING OR SEEPAGE WATER, MATERIAL DIFFERING FROM TEST BORINGS, OR SOIL OF QUESTIONABLE BEARING CAPACITY.
4. SET FOUNDATIONS AT ELEVATIONS SHOWN, OR ON FIRM UNDISTURBED MATERIAL OF DESIGN BEARING CAPACITY, WHICHEVER IS LOWER. THE CONTRACTOR SHALL RETAIN AN INDEPENDENT SOIL ENGINEERING CONSULTANT TO VERIFY THAT EACH FOOTING PLACED IS BEARING ON DESIGN MATERIAL. FOUNDATION DESIGN BEARING CAPACITY, PER SUB-SURFACE INVESTIGATION REPORT = 2000 PSF.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY REQUIRED NEEDLING, UNDERPINNING, SHORING, OR BRACING OF EXISTING STRUCTURES, AS RECOMMENDED BY THE SOIL ENGINEER. (FOR RENOVATION PROJECT).
6. STRUCTURAL FILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 98% STANDARD PROCTOR DENSITY. UNLESS STRICTER REQUIREMENT IS SPECIFIED, OR RECOMMENDED BY THE SOIL ENGINEER.
7. PROVIDE LEAN CONCRETE UNDER ALL OVER EXCAVATION OF FOOTING.
8. NO BACKFILLING OF FOUNDATION WALLS SHALL BE UNDERTAKEN UNTIL SUITABLE WALL BRACING, TEMPORARY OR PERMANENT, HAS BEEN PROVIDED. BACKFILL BOTH SIDE OF WALL SIMULTANEOUSLY UNLESS BRACED WALL CONSTRUCTION IS INDICATED.
9. DO NOT PLACE FILL ON FROZEN GROUND. ALL SOIL SURROUNDING AND UNDER FOOTINGS SHALL BE PROTECTED FROM FREEZING AND FROST ACTION DURING THE COURSE OF CONSTRUCTION. SOIL THAT HAS BEEN ALLOWED TO FREEZE SHALL BE REMOVED.
10. BOTTOMS OF EXTERIOR FOOTINGS SHALL BE AT LEAST 36" BELOW FINISHED GRADE OR AS PER THE LOCAL FROST DEPTH REQUIREMENT, WHICHEVER IS GREATER.

MASONRY:

1. MORTAR MINIMUM COMPRESSIVE STRENGTH:
TYPE S = 1,800 PSI
TYPE M = 2,500 PSI
2. PROVIDE THE FOLLOWING MINIMUM WALL REINFORCEMENT:
VERTICAL: AS NOTED IN PLANS AND DETAILS
HORIZONTAL: TRUSS REINFORCING @ 16" O.C., MIN.
EFFECTIVE AREA = 0.48 SQ.IN., U.O.N.
ANY CMU WALLS MARKED NON-BRG ON PLANS SHALL HAVE #4 @48" O.C. MIN.
3. START REINFORCING AT THE CORNER/END OF EACH WALL. PROVIDE ADDITIONAL REINFORCING AT THE END OF EACH OPENING AT LINTEL/BEARING. FILL CORES OF WALLS SOLID WHERE REINFORCING IS TO BE INSTALLED WITH CEMENT GROUT (ASTM C476). DO NOT USE MORTAR. CONTRACTOR MAY USE PEA GRAVEL CONCRETE IN LIEU OF GROUT.
4. COMPLY WITH RECOMMENDATIONS OF NATIONAL CONCRETE MASONRY ASSOCIATION FOR CONSTRUCTION, ERECTION, AND BONDING OF MASONRY STRUCTURES.
5. FILL ANY MASONRY VOIDS WITH MORTAR OR CONCRETE WHERE ANCHORS OCCUR.
6. ALL MASONRY CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-92) AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-92).
7. ALL MASONRY WALLS SHOWN ON STRUCTURAL FOUNDATION PLANS ARE "LOAD-BEARING" UNLESS OTHERWISE NOTED.
8. GROUT ALL FDN WALL CMU CORES SOLID AT ALL LOCATIONS BELOW GRADE AND UP TO F.F. EL 100'-0".

ROOF SHEATHING:

1. ALL ROOF PANELS SHALL BE 5/8" OSB, UNLESS NOTED OTHERWISE.
2. PANELS SHOULD BE SUPPORTED AT A MAXIMUM OF 24" O.C.
3. ALL PANELS SHOULD BE CONTINUOUS OVER TWO OR MORE SPANS. ALL END JOINTS MUST BE STAGGERED AND OVER SUPPORTS.
4. FASTENERS SHALL BE LOCATED A MINIMUM OF 3/8" FROM PANEL EDGES.
5. LEAVE 1/8" GAP AT PANEL ENDS AND EDGES TO ALLOW MOVEMENT AND PREVENTING ROOF PANEL RIDGING.
6. SCREW SPACING SHOULD BE NO MORE THAN 6" O.C. ALONG PANEL EDGES AND 12" O.C. ALONG INTERMEDIATE SUPPORTS.
7. ALL FASTENERS MUST PENETRATE A MINIMUM OF 1 1/2" INTO STRUCTURAL SUPPORTS AND WITH SCREW HEAD FLUSH WITH PANEL SURFACE.
8. PROVIDE A MINIMUM #10 SCREW SIZE. OTHER CODE APPROVED FASTENERS MAY BE USED, WITH APPROVAL.

WALL SHEATHING:

1. ALL WALL PANELS SHALL BE 5/8" OSB.
2. PROVIDE 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
3. ALL OTHER AREAS – SCREWS @6" O.C. ALONG PANEL ENDS AND @12" O.C. AT INTERMEDIATE SUPPORTS. FASTEN PANEL 3/8" FROM PANEL EDGES. USE #10 SCREWS.

ABBREVIATIONS:

ADJ	ADJACENT
A.F.F.	ABOVE FINISHED FLOOR
ANG	ANGLE
APPROX.	APPROXIMATELY
ARCH	ARCHITECTURAL
AOR	ARCHITECT OF RECORD
B/	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BM	BEAM
BOT	BOTTOM
C/C	CENTER TO CENTER
CL	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CMU	CONCRETE MASONRY UNIT
DIA	DIAMETER
DIM	DIMENSION
DWG	DRAWING
DWL	DOWEL
EA	EACH
EL.	ELEVATION
EMBED	EMBEDMENT
EQ	EQUAL
EXT	EXTERIOR
F.F.	FINISH FLOOR
FLR	FLOOR
GA	GAUGE
G.C.	GENERAL CONTRACTOR
GALV	GALVANIZED
HORIZ	HORIZONTAL
LG	LONG
LL	LIVE LOAD
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MTL	METAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG	OPENING
REINF	REINFORCING
REQ'D	REQUIRED
SCHED.	SCHEDULE
SIM	SIMILAR
S.O.G.	SLAB ON GRADE
SPEC	SPECIFICATIONS
STL	STEEL
T/	TOP OF (T/STL, T/CONC)
THK	THICK, THICKNESS
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
WF	WIDE FLANGE (BM)
W.F.F.	WELDED WIRE FABRIC



STRUCTURAL NOTES cont.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS- ALLOWABLE STRESS DESIGN," LATEST EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1 - LATEST EDITION.
3. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS - ALLOWABLE STRESS DESIGN" AS APPROVED BY THE COUNCIL ON REVERTED AND BOLTED JOINTS. USE BEARING-TYPE BOLTS WITH THREADS ALLOWED ACROSS THE SHEAR PLANE. ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.
4. STRUCTURAL STEEL:
 - A. USE ASTM A992 GRADE 50 STEEL FOR WIDE FLANGE SHAPES.
 - B. ASTM A36, BARS AND RODS.
 - C. ASTM A500, GRADE B; TUBING.
 - D. ASTM A53, TYPE E OR S, GRADE B; STEEL PIPE.
 - E. EXPANSION BOLTS: HILTI "KWIK-BOLTS" OR APPROVED EQUAL.
 - F. EPOXY ANCHORS: HILTI OR APPROVED EQUAL.
6. WELDING ELECTRODES SHALL BE E-70 OR BETTER. FOR WELDING SYMBOLS WITH NO LENGTH DIMENSION GIVEN, THE WELDING SHALL BE CONTINUOUS BETWEEN ABRUPT CHANGES IN DIRECTION. WELDS NOT OTHERWISE NOTED SHALL BE 1/4" IN SIZE.
7. IN GENERAL, IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT ALL SHOP CONNECTIONS BE WELDED AND ALL FIELD CONNECTIONS BE BOLTED EXCEPT WHERE NOTED OTHERWISE.
8. VERIFY THE EXACT SIZE AND LOCATION OF ALL OPENINGS PRIOR TO FABRICATION OF STEEL FRAMING MEMBERS.
9. PROVIDE A NON-METALLIC, NON-SHRINK GROUT UNDER ALL COLUMN BASE PLATES AND BEAM BEARINGS.
10. UNLESS DETAILED OTHERWISE, THE MINIMUM FIELD WELD SIZE IS A CONT 3/16" FILLET WELD ALL AROUND ALL CONTACT EDGES OF TWO ADJACENT STEEL SURFACES.
11. UNLESS DETAILED OTHERWISE, THE MINIMUM SHOP WELD SIZE IS A CONT 1/4" FILLET WELD ALL AROUND ALL CONTACT EDGES OF TWO ADJACENT STEEL SURFACES.

STEEL ROOF TRUSSES:

1. TRUSSES SHALL BE PRE-MANUFACTURED, PRE-ENGINEERING TRUSSES, CONFORMING TO THE PROFILE AND SPACING INDICATED AND DESIGNED FOR UNIFORM AND CONCENTRATED LOADS IDENTIFIED ON DRAWING.
2. TOP CHORD, BOTTOM CHORD, AND WEB MEMBERS SHALL BE OF DOUBLE STEEL ANGLES. THE MEMBER SIZES SHALL BE AS REQUIRED PER DESIGN CONSIDERATIONS.
3. THE TRUSS SHALL BE DESIGNED FOR MAXIMUM DEFLECTION OF L/240 OR 1", WHICHEVER IS SMALLER.
4. BEARING DEPTH SHALL BE AS INDICATED, IT SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO REINFORCE THE TRUSS AS REQUIRED FOR THE AVAILABLE BEARING DEPTH.
5. TRUSS BRACING, BRIDGING AND INSTALLATION SHALL BE AS PER THE TRUSS MANUFACTURER'S AND STEEL JOIST INSTITUTES RECOMMENDATION WHICHEVER IS STRICTER.
6. MANUFACTURER TO SUBMIT SHOP DRAWINGS AND ENGINEERING CALCULATIONS BY AN OHIO LICENSED ENGINEER FOR APPROVAL. CONFORM TO THE REQUIREMENTS OF OBBC.
7. CONFORM TO THE REQUIREMENTS LISTED IN THE STEEL JOIST GENERAL NOTES.

STRUCTURAL LIGHT-GAGE METAL FRAMING:

1. SPECIFICATIONS AND STANDARDS:
 - E. ALL STRUCTURAL PROPERTIES OF LIGHT-GAGE METAL FRAMING SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AND SHALL BE PUBLISHED IN THE MANUFACTURER'S CATALOG.
 - F. WELDING SHALL BE PERFORMED ONLY BY QUALIFIED OPERATORS USING PROPER EQUIPMENT FOR THE PARTICULAR TYPE OF WORK REQUIRED.
 - G. AWS STANDARD WELDING SYMBOLS.
 - H. AWS D1.3, SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES.
 - I. DESIGN ALL WALLS FOR APPLICABLE LIVE LOAD AND MINIMUM OF 10 PSF HORIZONTAL LOAD. DESIGN CEILING FOR INDICATED LIVE LOAD AND APPLICABLE DEAD LOAD.
 - J. FOR THE PURPOSE OF REPRESENTATION, THE FRAMING MEMBERS INDICATED ON THE DRAWINGS ARE BASED UPON THE PRODUCTS OF "DIETRICH INDUSTRIES, INC." THE CONTRACTOR MAY SUBSTITUTE APPROVED EQUAL PRODUCTS AS APPLICABLE.

- K. MAXIMUM DEFLECTION ALLOWED = L/240.
- L. MINIMUM GAUGE OF MEMBERS SHALL BE 18 GA. TOP & BOTTOM TRACKS SHALL BE 14 GA.
2. MATERIALS:
 - A. STRUCTURAL FRAMING MEMBERS 18 GAGE AND LIGHTER:
 - 1) ASTM A446-76, GRADE B, Fy=33,000 PSI. MEMBERS
 - B. 16 GAGE AND HEAVIER:
 - 1) Fy=50,000 PSI MINIMUM.
 - C. ALL BRACING AND BRIDGING MATERIAL:
 - 1) Fy=33,000 PSI MIN.
 - D. WELDING ELECTRODES:
 - 1) AWS A5.1, A5.5 OR A5.18 SERIES E60.
3. CONNECTIONS:
 - A. CUT ALL FRAMING COMPONENTS TO FIT SQUARELY AGAINST ABUTTING MEMBERS AND HOLD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
 - B. ALL PANELS SHALL BE SQUARE AND BRACED AGAINST RACKING.
 - C. THE COMPONENTS SHALL BE WELDED TOGETHER IN PLACE. FURNISH WELDED CONNECTION OF ALL THE STRUCTURAL MEMBERS.
 - D. WIRE TYING OF STRUCTURAL FRAMING COMPONENTS IS NOT PERMITTED.
 - E. FURNISH AND INSTALL BRACING AND BRIDGING AS REQUIRED AND AS RECOMMENDED BY THE MANUFACTURER. THE MINIMUM REQUIREMENTS ARE AS FOLLOWS:
 - 1) WALLS:
 - a) MINIMUM TWO ROWS OF U CHANNEL BRIDGING.
 - b) DIAGONAL STRAPPING BRACING AT EACH CORNER.
 - 2) CEILING:
 - a) SOLID BRIDGING, TWO END BAYS TYPICAL.
 - b) STRAP BRIDGING ALL OTHER BAYS TOP AND BOTTOM.
 - c) MINIMUM ROWS OF BRIDGING = 4.
 - d) SOLID BLOCKING AND WEB STIFFENER AS REQUIRED.
4. ERECTION:
 - A. ATTACH BOTTOM TRACK SECURELY TO THE FLOOR.
 - B. SEAT STUDS SQUARELY TO THE FLOOR AND OVERHEAD TRACK AND ATTACH SECURELY.
 - C. SPLICES IN STRUCTURAL FRAMING MEMBERS ARE NOT PERMITTED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
 - D. DO NOT APPLY AXIAL LOADS TO STUDS UNTIL ALL BRIDGING, CONNECTIONS, AND ATTACHMENT OF COLLATERAL MATERIALS ARE COMPLETE.
5. BRACE ALL WALLS WITH ROOF AND FLOOR FRAMING AND/OR OTHER APPROVED BRACING TECHNIQUES.
6. SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION.

LINTEL SCHEDULE: (LT GA. METAL)
UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS, PROVIDE FOLLOWING LINTELS FOR ALL 4" MTL STUD WALL OPENINGS:

OPENING	MEMBERS	BEARING
0'-3'	(2) 6" CEE JOIST	4" E.S.
0'-5'	(2) 8" CEE JOIST	4" E.S.
5'-6'	(2) 10" CEE JOIST	4" E.S.
6'-8'	(2) 12" CEE JOIST	4" E.S.

- NOTES:
1. FOR 6" MTL STUD WALLS, PROVIDE AN ADD'L CEE JOIST MEMBER OF THE SAME SIZE.

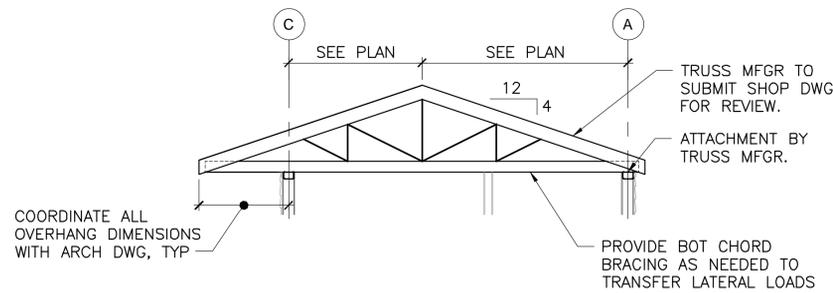
PRECAST CONCRETE DECK:

1. THE PRECAST CONCRETE DECK SHALL BE PRE-ENGINEERED AND MANUFACTURED FOR THE SPECIFIED LIVE AND DEAD LOAD. MAXIMUM ALLOWABLE DEFLECTION SHALL BE L/240. THE DEPTH OF THE DECK SHALL BE AS INDICATED ON THE DRAWING. DESIGN FOR CANTILEVERS, PENETRATIONS, OPENINGS, AND OVERHANGS AS REQUIRED.
2. FURNISH AND INSTALL STRUCTURAL TOPPING SLAB (WHERE INDICATED ON THE DRAWINGS) AS RECOMMENDED BY THE MANUFACTURER.
3. PROVIDE SHIMS AS REQUIRED FOR FULL BEARING OF THE DECK.
4. WHEREVER THE DECK IS PARALLEL TO THE MASONRY WALL, PROVIDE FULL STRENGTH BEARING AND LATERAL SUPPORT TO WALL WITH APPROVED CONNECTION.
5. SUBMIT DETAILED SHOP DRAWINGS AND CALCULATIONS CERTIFIED BY A STATE OF OHIO REGISTERED ENGINEER FOR APPROVAL PRIOR TO FABRICATION. INDICATE CAMBER OR DEFLECTION FURNISHED.
6. DESIGN DECK FOR PARTITION (CMU OR BRICK) DEAD LOAD AS REQUIRED AND WHERE NOTED ON THE DRAWINGS. SEE ARCHITECTURAL DRAWINGS.
7. THE PLANK ENGINEER SHALL BE RESPONSIBLE TO REVIEW MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND RECOGNIZE THE PENETRATIONS REQUIRED THROUGH THE CORES OF THE PLANKS. THIS MAY INVOLVE MULTIPLE OPENINGS THROUGH EACH CORE OF A PLANK ADJACENT TO EACH OTHER AT VARIOUS LOCATIONS. THE STRANDS AREA SHALL NOT BE CUT EXCEPT WHERE NOTED. NOTE ALIGNMENT OF CORE REQUIRED AT SPECIFIC LOCATIONS IDENTIFIED ON THE DRAWINGS.
8. CAMBER PLANK FOR DEAD WEIGHT ONLY. NOTE ALL DECK TO HAVE NEITHER ANY RESULTANT DEAD LOAD CAMBER FOR DEFLECTION OR MORE THAN 1/2" AFTER INSTALLATION.
9. APPLY BONDING AGENT TO PRECAST CONTACT SURFACE PRIOR TO PLACING CONCRETE TOPPING.



DESIGNED BY: JFD	JOB NUMBER: 1536
DRAWN BY: TCB	SCALE: AS NOTED
CHECKED BY: SPS	DATE: OCTOBER 29, 2015
APPROVED BY:	REVISED:





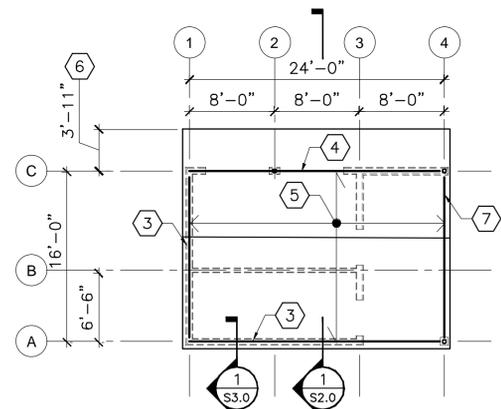
C FISH HOUSE TRUSS PROFILE
SCALE: 1/8"=1'-0"

TRUSS DESIGN PARAMETERS

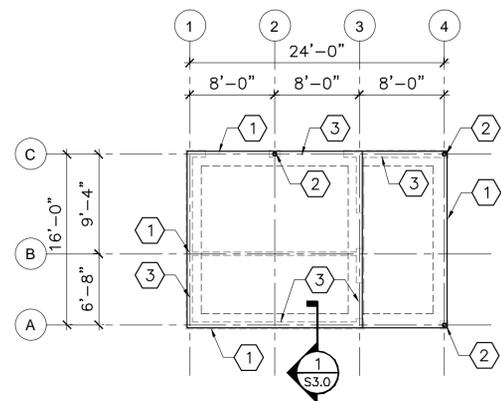
1. WIND: SEE S0.1
2. SEISMIC DESIGN PARAMETERS: SEE S0.1
3. ROOF SNOW LOAD: SEE S0.1
4. ROOF LIVE LOAD:
 - A. UNIFORM: 20 PSF (NON-REDUCIBLE)
 - B. CONCENTRATED: 150 LBS. (TRUSSES SHALL BE DESIGNED FOR AN ADDITIONAL POINT LOAD ANYWHERE ALONG THE TRUSSES SPAN).
5. ROOF DEAD LOADS (MINIMUM):
 - A. UNIFORM TOP CHORD: 10 PSF
 - B. UNIFORM BOTTOM CHORD: 10 PSF
6. TOP CHORD SHALL BE A MINIMUM OF 6" DEEP.
7. TRUSS BRACING, BRIDGING SHALL BE AS PER TRUSS MANUFACTURER RECOMMENDATION/DESIGN.
8. ALL CONNECTING AND BEARING OF TRUSSES TO RESIST MINIMUM OF 10 PSF NET UPLIFT. CONNECTIONS SHALL BE AS PER THE MANUFACTURER'S RECOMMENDATIONS.

NOTE:

1. COORDINATE ROOF SLOPES WITH ARCHITECTURAL ROOF PLAN.
2. COORDINATE TRUSS PROFILE WITH ARCHITECTURAL DRAWINGS.
3. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE TO DESIGN THE TRUSSES AND CONFORM TO THE ROOF PROFILES SHOWN IN THE ARCHITECTURAL DRAWINGS
4. DIMENSIONS SHOWN ARE FOR REFERENCE. CONFORM TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSION SPANS.
5. TRUSS MFR TO SUBMIT SHOP DWG. INCLUDE CALCULATIONS W/ P.E. SEAL FOR REVIEW.



B FISH HOUSE ROOF PLAN
SCALE: 1/8"=1'-0"



A FISH HOUSE FOUNDATION PLAN
SCALE: 1/8"=1'-0"

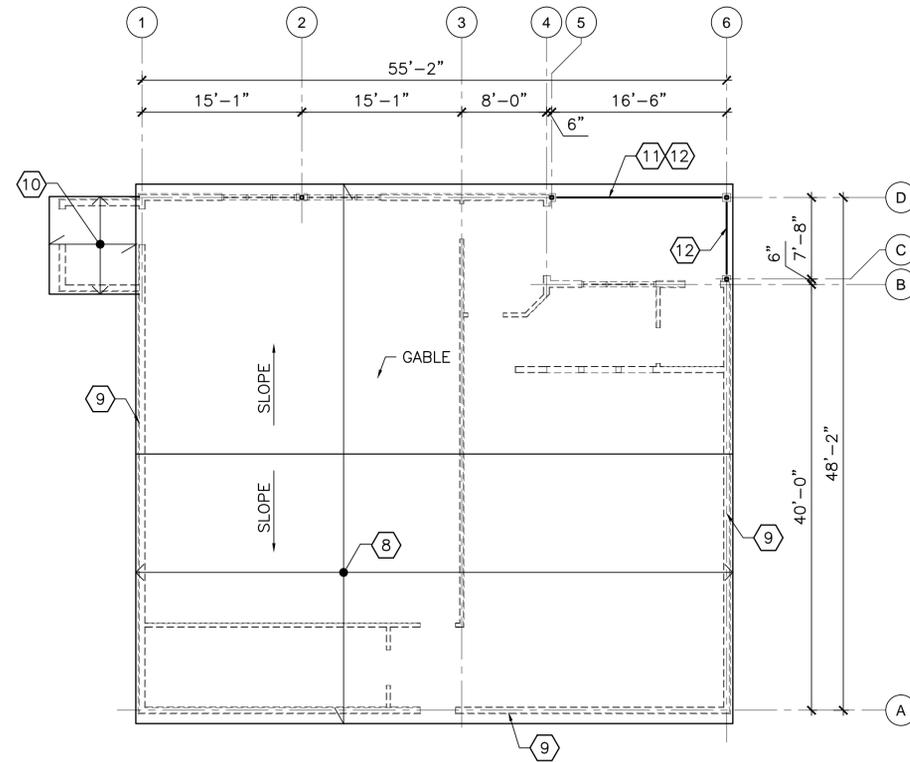
GENERAL NOTES

1. 6" SLAB ON GRADE REINF W/ 6x6xW2.9xW2.9 OVER VAPOR BARRIER ON 4" DEEP COMPACTED GRANULAR FILL. T/SLAB = 100'-0"
2. EXTERIOR METAL STUD WALL TO BE: 600S200-54 (50 KSI) @16" O.C.
3. INSTALL TRIPLE (3) METAL STUDS SCREWED TOGETHER AS BUILT-UP POST AT CORNERS AND BEARING POINTS (EXCLUDING HSS COLUMN LOCATIONS)
4. ROOF: 5/8" OSB - SEE GENERAL NOTES

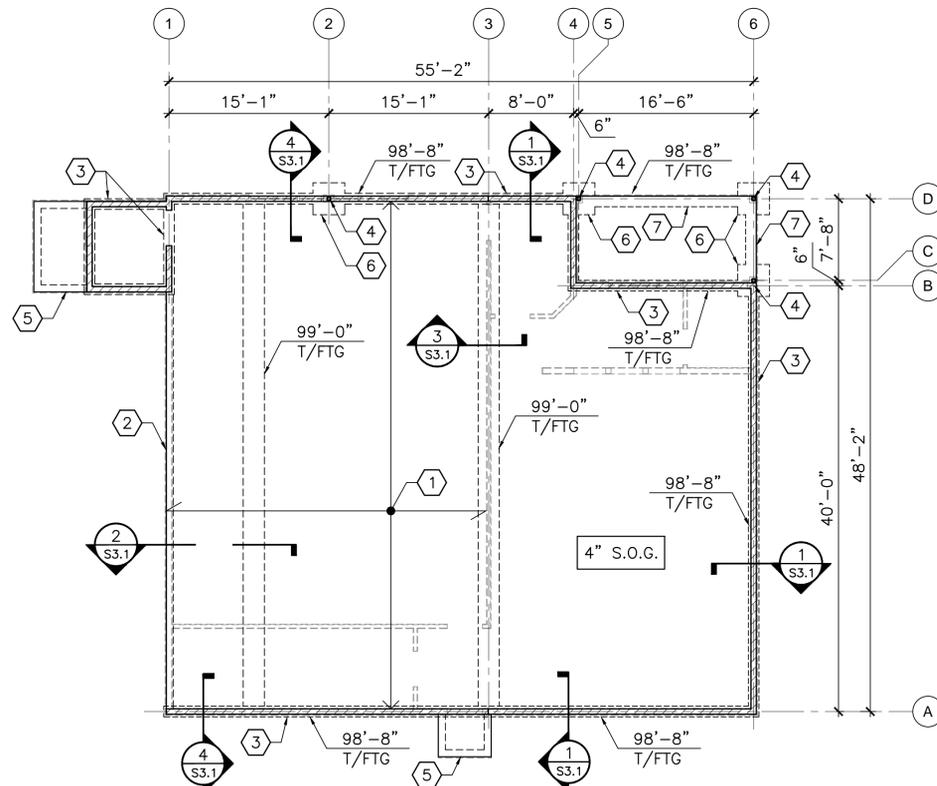
CODED NOTES

- ① 1'-4" WIDE TURNED DOWN SLAB - SEE DETAIL 1/S3.0
- ② HSS 4x4x5/16" COLUMN WITH A 5-1/2"x10"x5/8" BASE PLATE - SEE 2/S3.0
- ③ EXTERIOR METAL STUD WALL
- ④ CONT HSS 6x4x1/4" TRUSS BEARING BEAM FOR TRUSS CONNECTION. SPLICE AT EACH CORNER AND WELD TOGETHER W/ 1/4" FILET WELD ALL-AROUND.
- ⑤ METAL TRUSS @2'-0" O.C. W/ 5/8" OSB ROOF SHEATHING.
- ⑥ ROOF OVERHANG
- ⑦ HSS 6x6x1/4"





2 ARCHERY & AIR GUN ROOF PLAN
SCALE: 1/8"=1'-0"



1 ARCHERY & AIRGUN FOUNDATION PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

- 6" SLAB ON GRADE REINF W/ 6x6xW2.9xW2.9 OVER VAPOR BARRIER ON 4" DEEP COMPACTED GRANULAR FILL. T/SLAB = 100'-0"
- EXTERIOR METAL STUD WALL TO BE: 600S200-54 (50 KSI) @16" O.C.
- INSTALL TRIPLE (3) METAL STUDS SCREWED TOGETHER AS BUILT-UP POST AT CORNERS AND BEARING POINTS (EXCLUDING HSS COLUMN LOCATIONS)
- ROOF: 5/8" OSB - SEE GENERAL NOTES

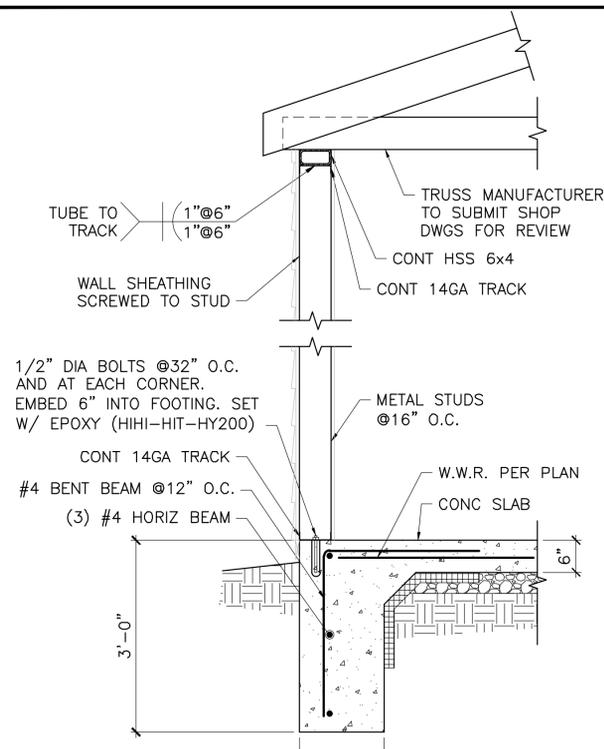
CODED NOTES

- 8" THICK HOLLOW CORE PRECAST PLANKS W/ 3" STRUCTURAL TOPPING.
- 8" WIDE FULL DEPTH CONC CAP AT END OF PLANK CANTILEVER.
- 2'-0" WIDE CONT FOOTING W/ (3) #5 HORIZ BARS
- HSS 4x4x5/16" W/ (4) 3/4" BOLTS ON 5/8" THICK BASE PLATE
- TURNED DOWN CONC APRON - SEE 6/S3.1
- 3'-0" x 3'-0" CONC FOOTING W/ BOT OF FOOTING A MIN OF 2'-8" BELOW GRADE. TOP OF FOOTING = 98'-8"
- CONC TURNED DOWN FROST WALL - SIM TO 6/S3.1
- METAL TRUSS @2'-0" O.C. W/ 5/8" OSB ROOF SHEATHING.
- CONT HSS 6x4x1/4" TRUSS SUPPORT BEAM
- 600S200-54 RAFTERS SLOPED TO MATCH ROOF PROFILE. ATTACH TO MAIN WALL STUDS W/ 12 GA CLIP.
- HSS 8x6x5/16" TRUSS SUPPORT BEAM
- HSS 6x6x1/4" HEADER CLIPPED TO THE SIDE OF COLUMN. COORDINATE ELEVATION W/ ARCH.

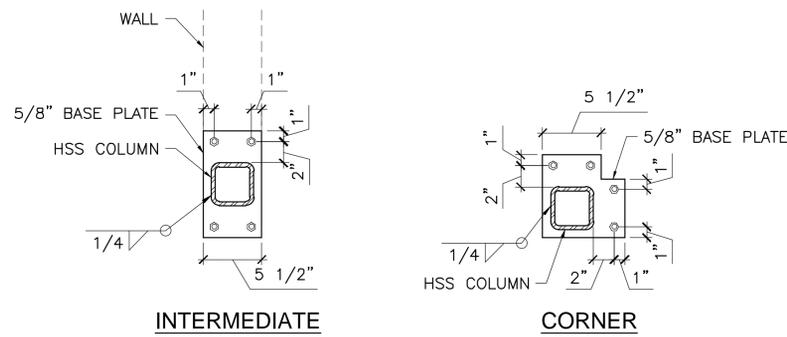
HOLLOW CORE DESIGN LANDING

- LL = 100 psf
- CONCENTRATED LINE LOAD AT CANTILEVER:
LL = 160 plf
DL = 600 plf
- 3" BONDED TOPPING. DESIGN USING STRENGTH OF 2"
- USE 6x6xW2.9xW2.9 W.W.R. IN TOPPING
- PROVIDE ADDITIONAL REINF AT CANTILEVER
- PLANKS TO BE 8'-0" IN WIDTH TO LIMIT FLOOR CRACKS

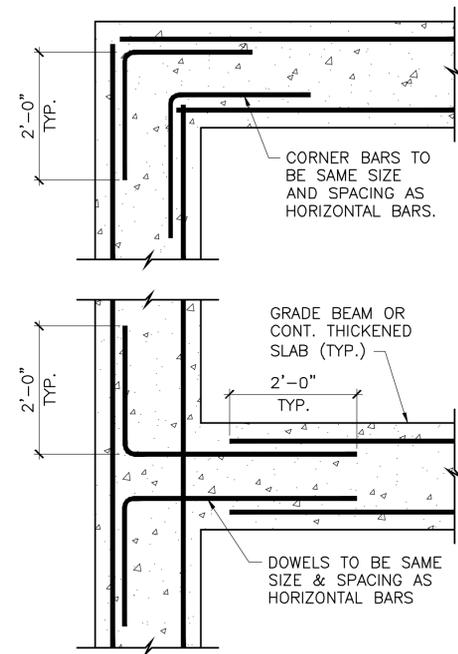




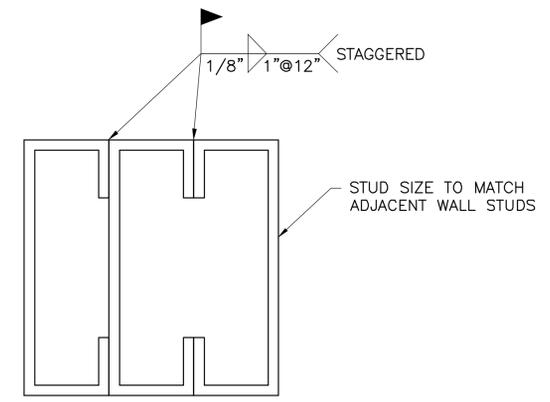
1 FISH HOUSE WALL SECTION
SCALE: 3/4"=1'-0"



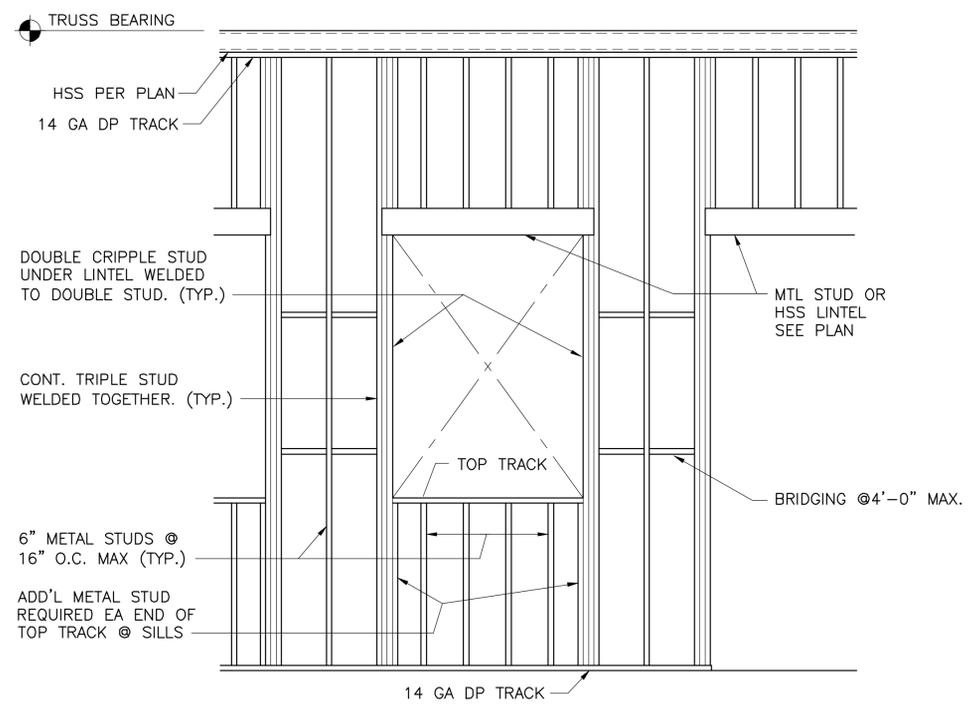
2 BASE PLATE DETAILS
SCALE: 1-1/2"=1'-0"



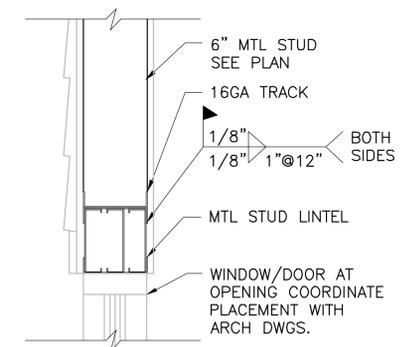
3 FOOTING CORNER REBAR
SCALE: 3/4"=1'-0"



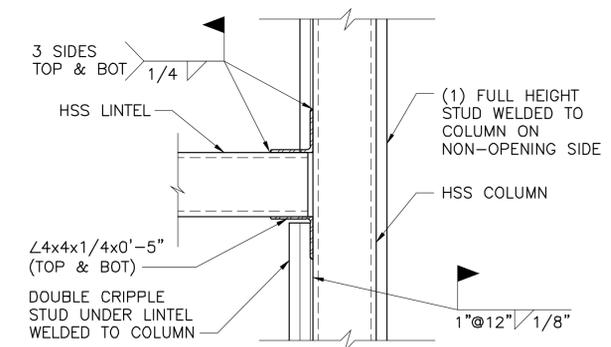
4 BOXED STUDS
SCALE: 1-1/2"=1'-0"



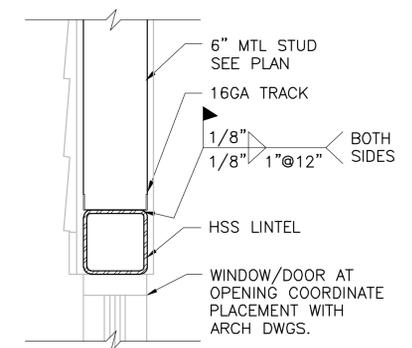
5 TYPICAL EXTERIOR WALL OPENING / STUD FRAMING
SCALE: N.T.S.



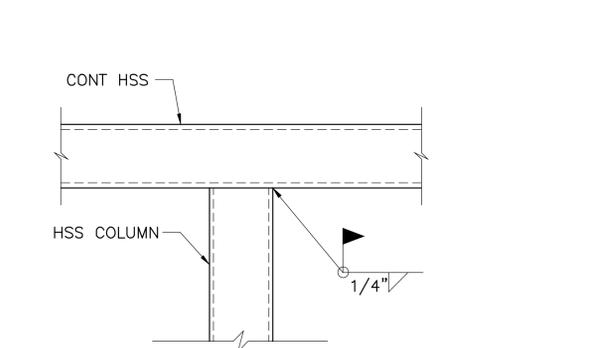
5A SECTION @ METAL STUD LINTEL



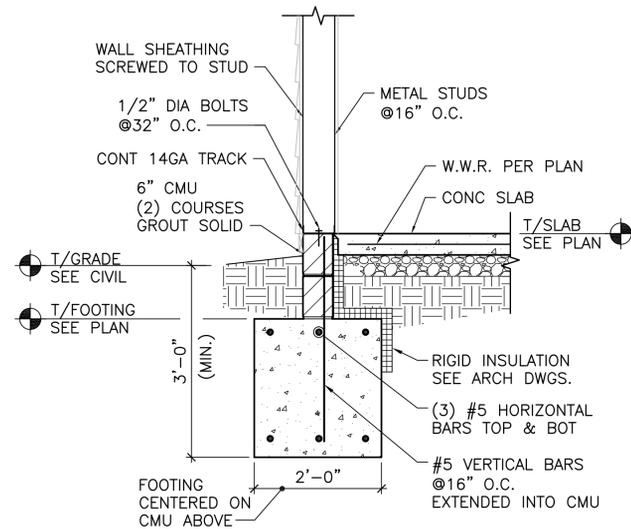
5C HSS LINTEL @ COLUMN



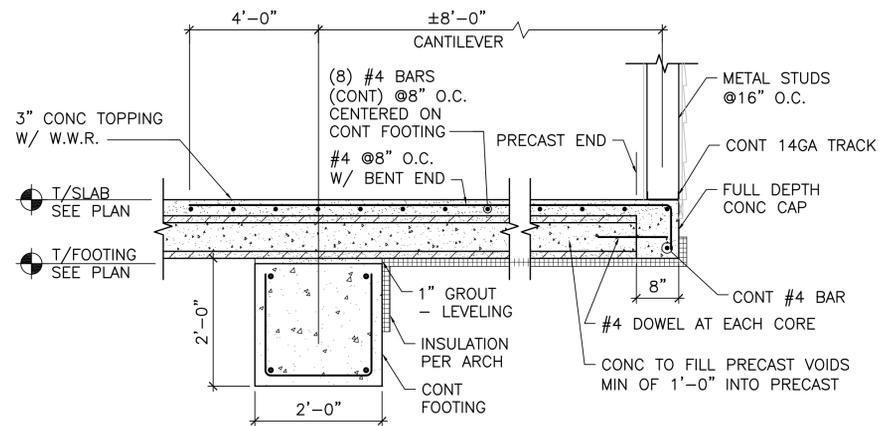
5B SECTION @ HSS LINTEL



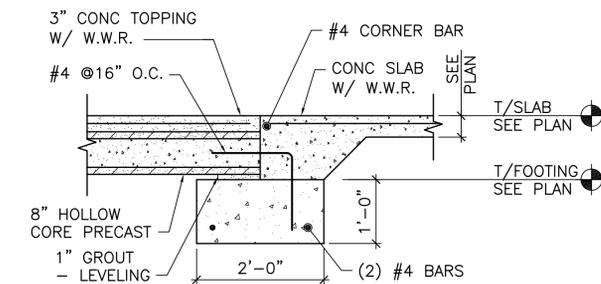
5D SECTION @ COLUMN



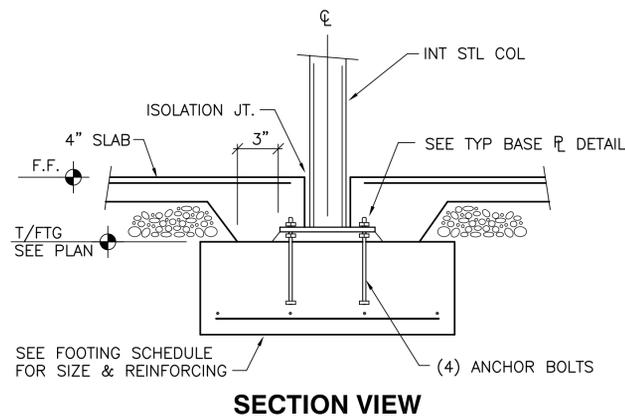
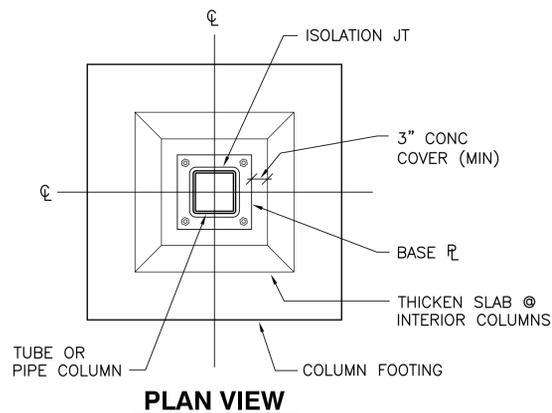
1 ARCHERY & AIRGUN WALL SECTION
 SCALE: 3/4"=1'-0"



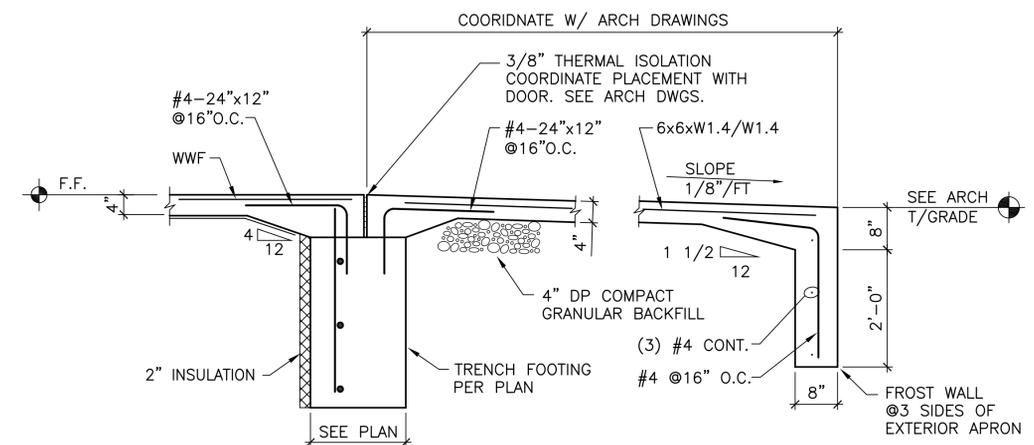
2 ARCHERY & AIRGUN PRECAST SECTION
 SCALE: 3/4"=1'-0"



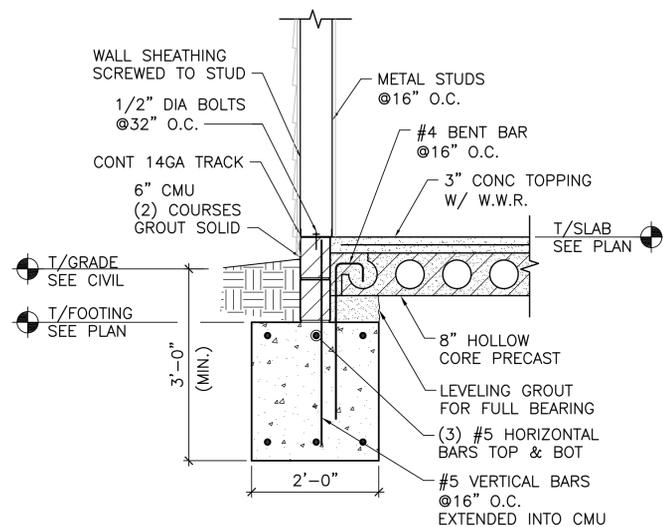
3 ARCHERY & AIRGUN PRECAST/SLAB BEARING
 SCALE: 3/4"=1'-0"



5 TYPICAL COLUMN ON SPREAD FOOTING
 SCALE: N.T.S.



6 CONC APRON AND TURNED DOWN DETAIL
 SCALE: N.T.S.

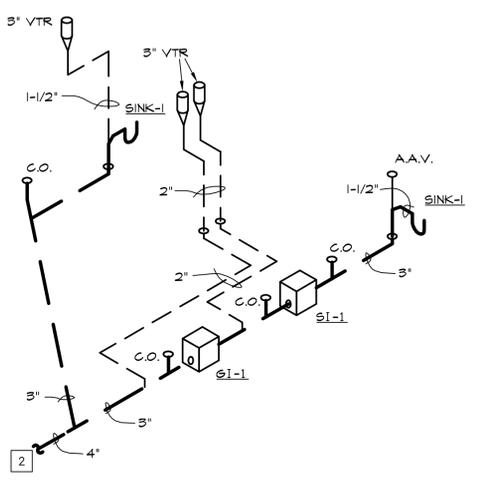
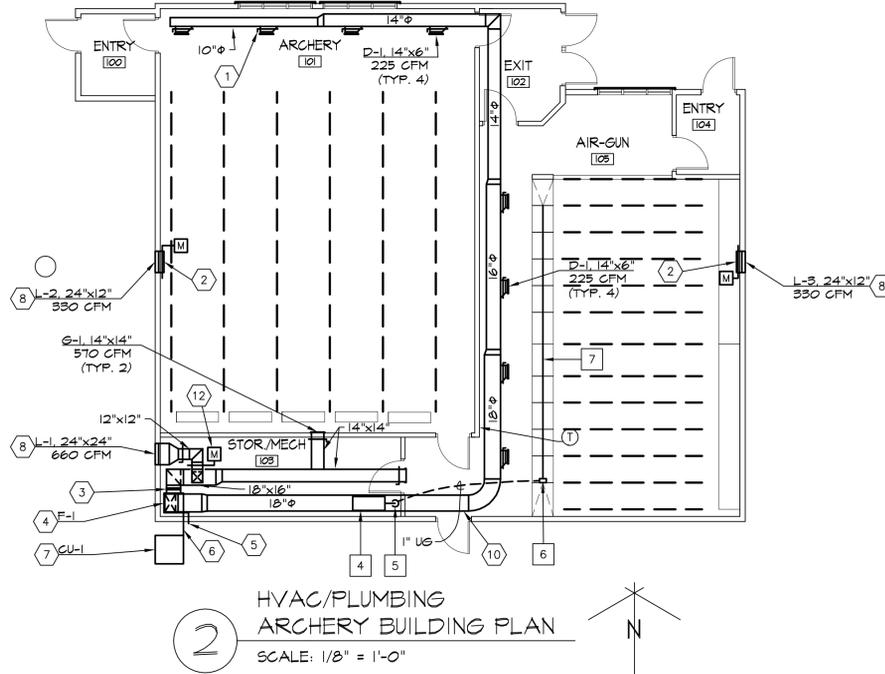
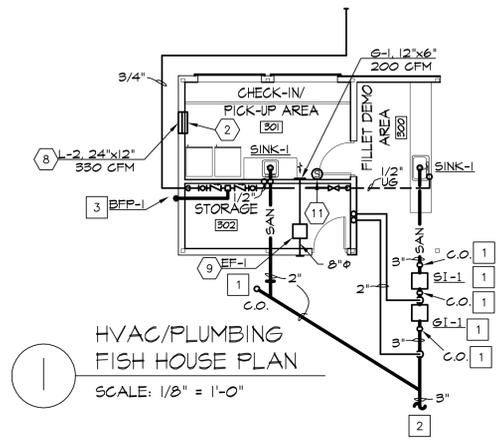


4 ARCHERY & AIRGUN PRECAST @ WALL SECTION
 SCALE: 3/4"=1'-0"



HVAC SYMBOLS (ALL SYMBOLS NOT NECESSARILY USED)	
HS	HEATING WATER SUPPLY PIPING
HR	HEATING WATER RETURN PIPING
CHS	CHILLED WATER SUPPLY PIPING
CHR	CHILLED WATER RETURN PIPING
CWS	CONDENSER WATER SUPPLY PIPING
CWR	CONDENSER WATER RETURN PIPING
LPS	LOW PRESSURE STEAM PIPING
MPS	MEDIUM PRESSURE STEAM PIPING
HPS	HIGH PRESSURE STEAM PIPING
LP COND	LOW PRESSURE CONDENSATE PIPING
MP COND	MEDIUM PRESSURE CONDENSATE PIPING
HP COND	HIGH PRESSURE CONDENSATE PIPING
CPD	CONDENSATE PUMP DISCHARGE PIPING
S	REFRIGERANT SUCTION LINE PIPING
L	REFRIGERANT LIQUID LINE PIPING
HG	REFRIGERANT HOT GAS LINE PIPING
COND	AIR CONDITIONER CONDENSATE PIPING
○	BALL VALVE
⊗	GATE VALVE
⊕	COMBINATION BALANCING & SHUT OFF VALVE
⊖	CHECK VALVE
⊘	DRAIN VALVE
⊙	BUTTERFLY VALVE
⊚	LOCKSHIELD VALVE
⊛	NEEDLE VALVE
⊜	GLOBE VALVE
⊝	3-WAY MOTOR OPERATED VALVE
⊞	MOTOR OPERATED VALVE
⊟	SOLENOID VALVE
⊠	THERMOSTATIC EXPANSION VALVE
⊡	PRESSURE REDUCING VALVE
⊢	GAGE COCK
⊣	SAFETY RELIEF VALVE
⊤	ANGLE VALVE
⊥	STRAINER (WITH BLOWDOWN)
⊦	PIPE FLANGES
⊧	PIPE UNION
⊨	FLEXIBLE PIPE CONNECTOR
⊩	AIR VENT, AUTO. OR MANUAL AS NOTED
⊪	PIPE SLEEVE
⊫	PIPE ANCHOR
⊬	CONCENTRIC REDUCER
⊭	ECCENTRIC REDUCER
⊮	DIRECTION OF FLOW INDICATOR
⊯	STEAM TRAP
⊰	PIPE DROP
⊱	PIPE RISE
⊲	PRESSURE/TEMPERATURE TAP
⊳	THERMOMETER
⊴	PRESSURE GAUGE
⊵	THERMOSTAT, PNEUMATIC OR ELECTRIC
⊶	THERMOSTAT WITH INSULATED BASE
⊷	HUMIDISTAT
⊸	MAIN CONTROL AIR SUPPLY
⊹	DIAMETER
⊺	FLAT OVAL DUCTWORK
⊻	CONNECT TO EXISTING

DUCTWORK (ALL SYMBOLS NOT NECESSARILY USED)			
DOUBLE LINE	SINGLE LINE	DOUBLE LINE	SINGLE LINE
20"x12" SECTION, SUPPLY	20"x12" SECTION, RETURN/EXHAUST	20"x12" RISE (UP)	20"x12" DROP (DN)
20"x12" AIR OUTLET, TAG, NECK, SIZE, CFM, DISCHARGE DIRECTION	20"x12" AIR INLET, TAG, SIZE, CFM	20"x12" REDUCER	20"x12" INCREASER
20"x12" ACCESS DOOR	20"x12" ACCESS DOOR	TURNING VANE	VOLUME DAMPER
DIRECTION OF FLOW	DIRECTION OF FLOW	SPLITTER DAMPER	FIRE DAMPER
FLEXIBLE CONNECTION	FLEXIBLE CONNECTION	EXTRACTOR	EXTRACTOR
CONNECT TO EXISTING	CONNECT TO EXISTING	FLAT OVAL DUCT, FIRST FIGURE IS SIDE SHOWN	FLAT OVAL DUCT, FIRST FIGURE IS SIDE SHOWN



- HVAC GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, TO INCLUDE THE OHIO BASIC BUILDING CODE AND THE OHIO MECHANICAL CODE.
 - ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AS REQUIRED BY LOCAL AND STATE CODES.
 - ALL EQUIPMENT AND APPLIANCES INSTALLED ON THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - PROTECT ALL EQUIPMENT AND MATERIALS DURING CONSTRUCTION FROM DAMAGE BY WEATHER, WATER, DIRT, AND OTHER CONSTRUCTION ACTIVITIES.
 - UPON COMPLETION OF WORK, ALL MATERIAL AND EQUIPMENT SHALL BE THOROUGHLY CLEANED OF STICKERS, DIRT, GREASE, RUST, OIL, AND OTHER FOREIGN MATTER.
 - THIS CONTRACTOR SHALL ARRANGE FOR AND CONDUCT ALL INSPECTIONS, TESTS, AND APPROVALS OF ITS WORK AND BEAR ALL COSTS FOR SAME.
 - CHECK EACH PIECE OF EQUIPMENT IN THE HVAC SYSTEM FOR DEFECTS, VERIFYING THAT ALL PARTS ARE PROPERLY FURNISHED AND INSTALLED, THAT ALL ITEMS FUNCTION PROPERLY, AND THAT ALL ADJUSTMENTS HAVE BEEN MADE.
 - COORDINATE THE INSTALLATION OF ITEMS REQUIRING POWER AND CONTROL WIRING WITH WORK PROVIDED BY THE ELECTRICAL CONTRACTOR. ALL POWER AND CONTROL WIRING SHALL BE PROVIDED BY THE ELEC. CONTRACTOR.
 - PROVIDE CONCRETE EQUIPMENT PADS UNDER FLOOR-MOUNTED FURNACE AND CONDENSING UNIT.
 - ALL DUCTWORK SHALL BE CONSTRUCTED PER SMACNA "HVAC DUCT CONSTRUCTION STANDARDS - METAL & FLEXIBLE", 2ND EDITION, 1985.
 - DUCT LAYOUT IS SCHEMATIC; PROVIDE DUCT RISERS, DROPS, OFFSETS, TRANSITIONS, ETC. AND ALL FITTINGS NECESSARY TO INSTALL DUCT SYSTEM. INCLUDE TURNING VANES, EXTRACTORS, SPLITTER DAMPERS, VOLUME DAMPERS, ACCESS DOORS, FLEXIBLE DUCTS & CONNECTIONS, AS REQUIRED.
 - THE USE OF FLEXIBLE DUCT IN RETURN AIR SYSTEM IS PROHIBITED, EXCEPT AT FINAL CONNECTIONS.
 - PRESSURIZE DUCTWORK TO 10% OF DESIGN STATIC PRESSURE. AIR LEAKAGE SHALL NOT EXCEED 0.5% OF THE DESIGN CFM IN ANY MAIN OR BRANCH.
 - ELECTRICAL CONTRACTOR TO INTERLOCK ALL (S) M.O.D. WITH FURNACE F-1.
 - BALANCE ALL AIR SYSTEMS IN ACCORDANCE WITH AABC NATIONAL STANDARDS & SUBMIT BALANCE REPORT.

- HVAC CODED NOTES**
- BALANCING DAMPER TYP.
 - PROVIDE 24"x12" INSULATED PLENUM WITH M.O.D. 24"x12" REMOVABLE INSULATED END CAP.
 - PROVIDE FILTER RACK IN RETURN AIR DUCTWORK.
 - MOUNT FURNACE ON 24" HIGH ELEVATED UNISTRUT FRAME.
 - ROUTE CONDENSATE HORIZONTALLY THROUGH EXTERIOR WALL. TERMINATE WITH 90° ELBOW TURNED DOWN. COVER WITH INSECT SCREEN. PROVIDE SPLASH BLOCK.
 - REFRIGERANT LINES SHOWN DIAGRAMMATICALLY AS A SINGLE LINE. SIZE PER MANUFACTURERS RECOMMENDATION.
 - MOUNT CONDENSING UNIT ON CONCRETE EQUIPMENT PAD ON GRADE.
 - MOUNT LOUVER AS HIGH AS POSSIBLE. COORDINATE FINAL LOCATION WITH ARCHITECT.
 - MOUNT EXHAUST FAN AT SAME ELEVATION AS LIGHTS. ROUTE 8" DUCT THROUGH WALL. TERMINATE WITH WALL CAP.
 - ROUTE EXPOSED INTERNALLY INSULATED ROUND DUCT AS HIGH AS POSSIBLE BELOW CEILING.
 - FAN VARIABLE SPEED CONTROLLER.
 - MOTOR OPERATED DAMPER.

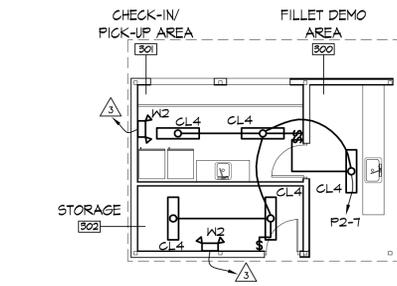
- HVAC EQUIPMENT**
- DIFFUSER/GRILLE**
- D-1: TITUS MODEL 500RL, SUPPLY AIR DIFFUSER, SURFACE MOUNTED, FACE SIZE = LISTED +2", FIXED 35° LOUVER, STEEL, WHITE FINISH, WITH DAMPER.
 - G-1: TITUS MODEL 350RL, RETURN AIR GRILLE, SURFACE MOUNTED, FACE SIZE = LISTED +2", FIXED 35° LOUVER, STEEL, WHITE FINISH, WITH DAMPER.
- FURNACE (COOLING ONLY)**
- F-1: CARRIER MODEL FB4CN060L00, 1800 CFM, 660 CFM O.A., 0.40" E.S.P., 3/4 HP, 120V/1PH, 6 F.L.A., 55.92 MBH TOTAL/40.02 MBH SENSIBLE COOLING.
- CONDENSING UNIT**
- CU-1: CARRIER MODEL 24ABB360A0N3, 60 M.B.H. @ 45° AMBIENT TEMP., 240V/1PH., 12A FAN F.L.A., COMPRESSOR RLA/LRA 26.4/13.4.
- LOUVER**
- L-1: AIROLITE MODEL K6T14, O.A. INTAKE.
 - L-2#3: AIROLITE MODEL K6T14, RELIEF, WITH MOTORIZED DAMPER.
- EXHAUST FAN**
- EF-1: COOK MODEL GC-106, 200 CFM, .25" S.P., 120V/1PH, 42W, GRAVITY BACK DRAFT DAMPER. PROVIDE VARIABLE SPEED SWITCH CONTROLLER.

- PLUMBING GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AS REQUIRED BY LOCAL AND STATE CODES.
 - ALL EQUIPMENT AND APPLIANCES INSTALLED ON THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - PIPING LAYOUT IS SCHEMATIC; PROVIDE RISES, DROPS, OFFSETS, ETC. AND ALL FITTINGS NECESSARY TO INSTALL PIPING.
 - COORDINATE PIPING WITH OTHER CONTRACTORS PRIOR TO ROUGH-IN.
 - WORK SHALL BE CARRIED OUT IN A NEAT AND WORKMANLIKE MANNER SO THAT IT DOES NOT DAMAGE THE BUILDING.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF SAFETY GUIDELINES TO REDUCE THE RISK OF INJURIES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF EXCESS MATERIALS AND CLEANING OF DEBRIS ON A DAILY BASIS, AND SHALL BEAR THE COST OF SAME.
 - ALL CUTTING AND PATCHING SHALL BE BY THE CONTRACTOR.
 - CONTRACTOR SHALL BE RESPONSIBLE OF INFORMING THE ARCHITECT OF ANY UNUSUAL CONDITIONS FOUND IN THE BUILDING, PRIOR TO CUTTING.
 - PIPE DCM SYSTEM TO BE ENTIRELY DRAINED IN WINTER.

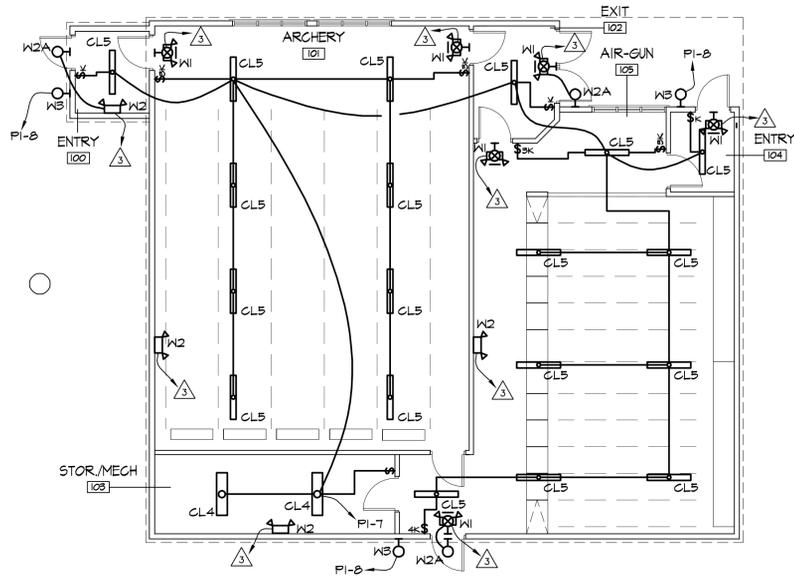
- PLUMBING CODED NOTES**
- PROVIDE 18"x18"x6" SQUARE CONCRETE PAD AROUND CLEAN-OUT AND ACCESS COVERS.
 - CONNECT TO NEW SANITARY PUMP SYSTEM. SEE SITE PLAN DRAINING.
 - INSTALL BFP-1 AND ROUTE 1" DRAIN LINE OUT THROUGH WALL.
 - PROVIDE 6.0 GALLON, 1.0 HP, 120 VOLT, 1 PHASE AIR COMPRESSOR, WERTHER MODEL P100/24AL, 9.6 AMPS, 4.2 CFM.
 - DROP 1" AIR LINE DOWN TO UNDERFLOOR. MAKE PROVISIONS FOR DRAINAGE OF SYSTEM WHEN NOT IN USE.
 - 1" AIR LINE UP ALONG WALL.
 - 1" AIR LINE RACKED UNDER COUNTER. PROVIDE (3) 3/8" DIA. FLEXIBLE TUBING BRANCHES WITH SHUT-OFF VALVES AND AIR INFLATOR NOZZLES.



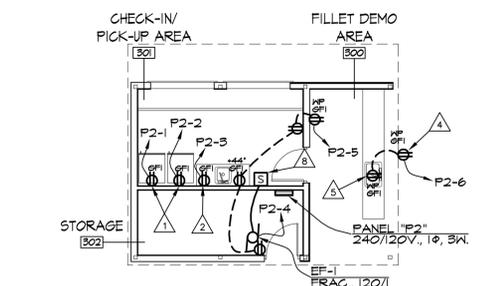
ELECTRICAL SYMBOLS					
1. ALL SYMBOLS NOT NECESSARILY USED.					
2. MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.					
3. MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.					
4. R.T.D. REFER TO DRAWING.					
5. ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" INTO CORRIDORS AND WALKWAYS AS NECESSARY TO MEET A.D.A. CLEARANCE REQUIREMENTS.					
SYMBOL	ITEM	M.H.	SYMBOL	ITEM	M.H.
	FLUORESCENT FIXTURE			REMOTE TEST STATION	48"
	HALF OF LAMPS ON EMERGENCY CIRCUIT			VISUAL ALARM STROBE	80"
	CEILING MOUNTED FIXTURE			DUCT SMOKE DETECTOR	
	WALL MOUNTED FIXTURE			CEILING SMOKE DETECTOR	
	SINGLE FACE EXIT LIGHT			HEAT DETECTOR	
	DOUBLE FACE EXIT LIGHT			FIRE ALARM SYSTEM CONDUIT	
	EMERGENCY LIGHT			FIRE ALARM CONTROL PANEL	TOP @ 60"
	COMBO DIR/EMERGENCY LIGHT			TV OUTLET	18"
	SWITCH, 3-WAY, 4-WAY, KEY, PILOT	48"		TV SYSTEM CONDUIT	
	SWITCHED LOADS, WIRING & CONDUIT	48"		CEILING SPEAKER	
	DUPLEX RECEPT. QUADRUPLUX	18"		TRUMPET SPEAKER	80"
	SINGLE RECEPT.	18"		LOW VOLTAGE TRANSFORMER	R.T.D.
	30 AMP, 208V. OUTLET	18"		WEATHERPROOF	
	ISOLATED GROUND RECEPTACLE	18"		CIRCUIT	
	LIGHT OR DEVICE ON EMERG. CIRCUIT			G.F.I. GROUND FAULT INTERRUPTER	
	SPECIAL POWER OUTLET	18"		W.G. WIRE GUARD	
	JUNCTION BOX	R.T.D.		V.R. VANDAL RESISTANT	
	SINGLE-PHASE MOTOR			EMERGENCY	
	THREE-PHASE MOTOR			H.O.A. HAND-OFF-AUTO	
	MAGNETIC STARTER			ELECTRICAL SYSTEM CONDUIT	
	COMBINATION STARTER/DISCONNECT SWITCH			EXISTING LIGHT, DEVICE OR SWITCH	
	NON-FUSED DISCONNECT SWITCH			EXISTING WIRING TO REMAIN	
	FUSED DISCONNECT SWITCH (30A FUSES)			ITEM TO BE REMOVED	
	SPEED CONTROLLER	48"		WALL MOUNTED OCCUPANCY SENSOR	48"
	ELECTRIC THERMOSTAT	48"		CEILING OCCUPANCY SENSOR	
	REVERSE-ACTING THERMOSTAT	48"		MANUAL FIRE ALARM PULL STATION	48"
	POWER PANEL	TOP @ 72"		AUDIO ALARM HORN	80"
	LIGHTING PANEL	TOP @ 72"		AUDIO/VISUAL ALARM HORN/STROBE	80"
	WIRING ABOVE CEILING OR IN JOIST SPACE			AUDIO ALARM BELL	80"
	WIRING UNDER FLOOR OR IN WALL			EMERGENCY CIRCUIT	
	HOME RUN TO PANEL 'X', 2-POLE BRKR.				



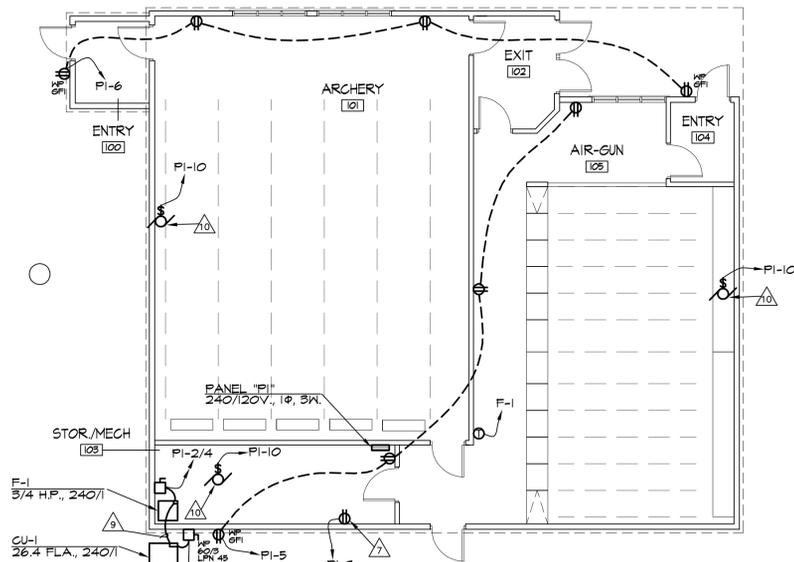
1 LIGHTING FISH HOUSE PLAN
SCALE: 1/8" = 1'-0"



2 LIGHTING ARCHERY BUILDING PLAN
SCALE: 1/8" = 1'-0"



3 POWER FISH HOUSE PLAN
SCALE: 1/8" = 1'-0"



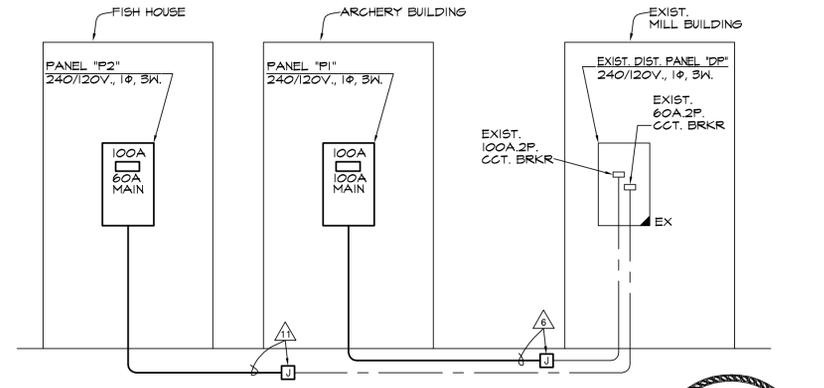
4 POWER ARCHERY BUILDING PLAN
SCALE: 1/8" = 1'-0"

PANEL "P1"		MOUNTING SURFACE				
240/120 VOLTS, 1 PHASE, 3 WIRE						
BUS SIZE: 100 AMP. MAIN BREAKER: 100A.2P. AMP. CONN. KW. 12.1						
WIRE SIZE	LOAD	CB/P	CIR. NO.	WIRE SIZE	LOAD	WIRE SIZE
#6	CU-1	50/2	1	2	20/2	F-1
-	240/1	-	3	4	-	208/1
#12	RECEPTACLES	20/1	5	6	20/1	RECEPTACLES
#12	LIGHTING	7	-	8	-	OUTDOOR LTG.
#12	COMPRESSOR	9	-	10	-	MTR-OPERATED DAMPER
-	SPARE	11	-	12	-	SPARE
-	SPACE	13	-	14	-	SPACE
-	-	15	-	16	-	-
-	-	17	-	18	-	-

PANEL "P2"		MOUNTING SURFACE				
240/120 VOLTS, 1 PHASE, 3 WIRE						
BUS SIZE: 100 AMP. MAIN BREAKER: 60A.2P. AMP. CONN. KW. 3.4						
WIRE SIZE	LOAD	CB/P	CIR. NO.	WIRE SIZE	LOAD	WIRE SIZE
#12	REFRIGERATOR	20/1	1	2	20/1	REFRIGERATOR
-	ICE MACHINE	3	-	4	-	EF-1
-	RECEPTACLES	5	-	6	-	TV RECEPTS
-	LIGHTING	7	-	8	-	SPARE
-	SPARE	9	-	10	-	-
-	SPACE	11	-	12	-	-
-	SPACE	13	-	14	-	SPACE
-	-	15	-	16	-	-
-	-	17	-	18	-	-

- ELECTRICAL CODED NOTES
- FOR REFRIGERATOR 120/1.
 - FOR ICE MACHINE 120/1.
 - WIRE BATTERY-OPERATED EXIT/EMERGENCY LIGHT TO LIGHTING CIRCUIT SERVING THIS ROOM/AREA AHEAD OF LOCAL SWITCH.
 - FOR WALL MOUNTED TELEVISION, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGHING IN.
 - FOR CEILING MOUNTED CCTV CAMERA.
 - PROVIDE GRADE MOUNTED FULLBOX AND INTERCEPT EXISTING 2" CONDUIT AND EXISTING 100 AMP WIRING AND EXTEND TO NEW BUILDING AS SHOWN. REFER TO SHEET SUI.
 - FOR COMPRESSOR 1 HP, 120/1.
 - WIRE SPEED CONTROLLER BEING PROVIDED WITH HVAC EQUIPMENT.
 - PROVIDE CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS.
 - INTERLOCK MOTOR-OPERATED DAMPER WITH FURNACE F-1. COORDINATE WITH HVAC CONTRACTOR.
 - PROVIDE GRADE MOUNTED FULLBOX AND INTERCEPT EXISTING 2" CONDUIT AND EXISTING 60 AMP WIRING AND EXTEND TO NEW BUILDING AS SHOWN. REFER TO SHEET SUI.

LIGHTING FIXTURE SCHEDULE				
MOUNTING CODES:		CL - CEILING MOUNTED	CV - COVE MOUNTED	NOTES: 1. FIXTURES SHALL INCLUDE CBM/ETL PREMIUM BALLASTS, LENSES, CANOPIES AND ACCESSORIES COMPATIBLE WITH CEILING CONSTRUCTION. 2. ALL FIXTURES AND LAMPS TO BE 120 VOLTS UNLESS NOTED OTHERWISE. 3. ALL COMPACT FLUORESCENT BALLASTS SHALL BE ELECTRONIC, HIGH POWER FACTOR, THD LESS THAN 10%, 5 DE F, AND CONTAIN END OF LAMP LIFE FAULT MODE SHUTDOWN PROTECTION. 4. REFER TO SECTION 26 50 00 FOR ADDITIONAL REQUIREMENTS.
		CH - CHAIN HUNG	TR - TRACK MOUNTED	
		W - WALL MOUNTED	B - BOLLARD	
		R - RECESSED	GR - GRADE MOUNTED	
		S - STEM MOUNTED	P - POLE MOUNTED	
		UC - UNDER CABINET	WR - WALL RECESSED	
TYPE	MANUFACTURERS	CATALOG NO.	LAMPS	REMARKS
W1	LITHONIA LSI	LH0MSW1R-120/277 EMEXR-2-R-W-120/277	BY MFR.	BATTERY-OPERATED COMBINATION L.E.D. EXIT/EMERGENCY LIGHT WITH THERMOPLASTIC HOUSING, 6" HIGH RED STENCIL LETTERS, (2) EMERGENCY LAMP HEADS, WHITE FINISH, AND REMOTE POWER CAPABILITY. PROVIDE NUMBER OF FACES/DIR. SHOWN ON THE DRAWINGS. 120V.
W2 W2A	LITHONIA SURE-LITES DUAL-LITE	6ELM2-120/277V AA1 EZ-2 EM-W-120/277	BY MFR.	BATTERY-OPERATED EMERGENCY LIGHT WITH WHITE FINISH AND (2) EMERGENCY LAMP HEADS MOUNTED AT 7'-6" A.F.F. 120V. W2A: PROVIDE REMOTE EMERGENCY HEAD.
W3	LITHONIA TERON HUBBELL BROWNLEE	TWP-LED-10C-700-50K-T3M-MVOLT-PE-TP-DBBXD CA-13.0-120V-277V-BZ-50K PVL3-30LU-5K-BZ-PC 7182-B12LED-CPPBC-50-P01	LED 2183L, 50K APPRX. 26W	LED WALLPACK WITH POLYCARBONATE LENS, BRONZE FINISH, AND PHOTOCELL. 120V.
CL4	LITHONIA LIGHT EDGE FINELITE ILP	ZL2-L48-2000L-LP840-ZAC72 VRAP1-4-38-40-WV-ACC HP-4D-4-HO-4000K-120-FM-SC F104-4.3-40WLED-UNIV-4000K-FRLK-HB-72-PAD	LED 2000L, 40K APPRX. 32W	4'-0" LONG LENSED STRIPLIGHT WITH DIFFUSED LENS, WHITE FINISH. 120V.
CL5	NEW STAR KENALL LUMINAIRE EATON	VIC4N-L340-RW-UN-WH MLH48-48-F-WV-PP-57L40K-DV-9500 VPF84-50W-4000K-120-CP-WHT HVS12-4-LD3-2STD-40-UNV-C-EDC1	LED 5713L, 40K, APPRX. 78W.	ARCHITECTURAL LINEAR LED SURFACE MOUNT, VANDAL RESISTANT, ALUMINUM HOUSING, SPECULAR ALUMINUM REFLECTOR, FLAT END CAPS.



5 POWER RISER DIAGRAM
SCALE: N.T.S.

