

		Toilets		Lavatories		Drinking Fountain	Service Sink	
ccupants		Men	Women	Unisex	Men	Women Unisex		
58 Total	Required			2			1 Required	1 Required
en/Women	Provided			2			*Water Cooler	6

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HANGAR BI-FOLD DOOR ELEVATION AND DETAILS

# **GENERAL NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE PERMITTING AND UTILITY CONNECTIONS REQUIRED FOR THE PROJECT. ALL UTILITY CONNECTIONS SHALL BE BROUGHT TO THE EXTERIOR PERIMETER OF THE FACILITY FOR CONNECTION PURPOSES BY THIS CONTRACTOR TO THE FACILITY.

• BASE BID: HANGAR BAYS 101, 102, 103, AND MECH 104/FUTURE LOUNGE/FUTURE RESTROOMS BAY (COLUMN LINES A-K). FOUNDATION WALL AND FOOTINGS ALONG COLUMN LINE K ARE TO BE DESIGNED AND CONSTRUCTED TO INCLUDE ALTERNATE #1 (EVEN IF ALTERNATE #1 IS NOT ACCEPTED AS PART OF THIS BID PACKAGE). BASE BID ALSO INCLUDES ALL SITE/CIVIL COMPONENTS UNLESS NOTED.

• ALTERNATE #1: HANGAR BAYS 105, 106, AND 107 (COLUMN LINES L-V)

# **PROJECT INFORMATION**

PROJECT NAME:	HUF WEST QUAD 6 UNIT BOX HANGAR
LOCATION:	TERRE HAUTE REGIONAL AIRPORT, TERRE HAUTE, IN 47803
BUILDING CODE:	2012 INTERNATIONAL BUILDING CODE (IBC) WITH 2014 INDIANA AMENDMENTS
	NFPA 409, STANDARD ON AIRCRAFT HANGARS, 2016
PROJECT TYPE:	NEW AIRCRAFT HANGAR STORAGE (GROUP S-1, MODERATE HAZARD) OCCUPANCY
CONSTRUCTION:	TYPE II-B (NON-COMBUSTIBLE, NON-RATED) NON-SPRINKLERED
NUMBER OF STORIES	: 1 STORY
PROJECT AREA:	BASE BID: 12,000 SQ.FT (APPROX.) WITH OPTION: 24,000 SQ.FT (APPROX.)

SEE SHEET G-001 FOR CODE SUMMARY AND FIRE AND LIFE SAFETY REQUIREMENTS.



PROJECT NAME:	WEST QUAD DEVELOPMENT	FIRE SUPPRE
LOCATION:	TERRE HAUTE REGIONAL AIRPORT, TERRE HAUTE, INDIANA	
BUILDING CODE:	INDIANA BUILDING CODE, 2014, WITH AMENDMENTS (INTERNATIONAL BUILDING CODE 2012)	
FIRE LIFE SAFETY:	INDIANA BUILDING CODE, 2014, WITH AMENDMENTS (INTERNATIONAL BUILDING CODE (IBC) 2012)	FIRE FLOW:
	INDIANA FIRE CODE, 2014, WITH AMENDMENTS (INTERNATIONAL FIRE CODE (IFC) 2012)	
	NFPA 409, STANDARD ON AIRCRAFT HANGARS, 2016, (FOR FIRE PROTECTION AND HAZARDOUS OPERATIONS)	
	INDIANA ELECTRICAL CODE, 2009 (NFPA 70, NATIONAL ELECTRIC CODE (NEC), 2008)	HYDRANTS:
PRIMARY USE:	AIRCRAFT HANGAR STORAGE (GROUP S-1, MODERATE HAZARD) OCCUPANCY	FIRE ALARM:
ACCESSORY USE:	BUSINESS (GROUP B)	
CONSTRUCTION:	TYPE II-B (NON-COMBUSTIBLE, NON-RATED) NON-SPRINKLERED	
CLASSIFICATION:	GROUP III HANGAR (PER NFPA 409, TABLE 4.1.3)	EIDE
	NO FUELING PERMITTED IN HANGAR	FIRE
	HAZARDOUS OPERATIONS, INCLUDING FUEL TRANSFER, WELDING, TORCH CUTTING, TORCH SOLDERING, DOPING, AND SPRAY PAINTING NOT PERMITTED IN HANGAR	PORTABLE FIR
EXTERIOR SETBACK:	50 FT OF CLEAR SPACE REQUIRED ON ALL SIDES SO THAT EXTERIOR WALLS ARE PERMITTED TO BE NON-RATED (NFPA 409, TABLE 8.2.1)	
	ALSO COMPLIES WITH IBC TABLE 602 FOR FIRE SEPARATION DISTANCE FOR TYPE II-B CONSTRUCTION	MECH. BUSIN
ALLOWABLE HEIGHT:	3 STORIES (PER 2014 INDIANA AMENDMENTS), 55 FT	
ACTUAL HEIGHT:	1 STORY	
ALLOWABLE AREA:	17,500 SQ.FT (IBC, TABLE 503) + 13,125 SQ.FT (FRONTAGE INCREASE) TOTAL = 30,625 SQ.FT	
ACTUAL AREA:	BASE BID: 12,000 SQ.FT (APPROX.) WITH OPTION: 24,000 SQ.FT (APPROX.)	
SEPARATIONS:	TWO 2-HOUR FIRE BARRIERS CONSTRUCTED BACK-TO-BACK	ROOM N
	TO SEPARATE INTO TWO FIRE AREAS, EACH FIRE AREA LIMITED TO LESS THAN 12,000 SQ.FT (ALTERNATIVE METHOD TO ACHIEVE MINIMUM 2-HOUR FIRE WALL SEPARATION PER IBC 412.4.6.2 AND	101
	INDIANA AMENDMENTS)	102
	1-HOUR FIRE BARRIER SEPARATION OF HANGAR BAY FROM OTHER SPACES (PER IBC 412.4.6.2 AND NFPA 409, 8.2.2)	103
	2-HOUR FIRE BARRIER SEPARATION FOR MECHANICAL ROOM	104 105 (OP
		106 (OP
DOOR RATINGS:	45-MIN RATED DOORS IN 1-HOUR FIRE BARRIER WITH SELF- OR AUTOMATIC-CLOSING, POSITIVE LATCHING	107 (OP
	90-MIN RATED DOORS IN 2-HOUR FIRE BARRIER WITH SELF- OR AUTOMATIC-CLOSING, POSITIVE LATCHING	108 (FUT
	NOTE: NO DOORS PROVIDED IN FIRE RESISTANCE RATED WALLS.	109
HEATING EQUIPMENT	: PER NFPA 409, 8.3 AND IBC, 412.4.4 FOR HEATING EQUIPMENT	111



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1:		EGRESS:	INDIANA BUILDING CODE, 2014, WITH AMENDMENTS (INTERNATIONAL BUILDING CODE 2012)
	MAINTENANCE HANGARS (IBC, 412.4.6) WITH FIRE AREAS LESS THAN 12,000 SQ.FT (PER 2014 INDIANA AMENDMENTS)	EXITS:	MINIMUM 2 EXITS FROM BUSINESS AREA, WITHIN COMMON PATH OF TRAVEL LIMIT
	CALCULATION AREA: (IFC B104.1) BASE BID: 12,000 SQ.FT WITH OPTION: 24,000 SQ.FT		MINIMUM 2 EXITS FROM EACH HANGAR BAY, LOCATED ON EXTERIOR WALLS
	REDUCTIONS: NONE CONSTRUCTION: TYPE II-B	TRAVEL DISTANCE:	STORAGE = 200 FT (MAXIMUM) BUSINESS = 200 FT (MAXIMUM)
	REQUIRED FIRE FLOW: 3250 GPM (IFC TABLE B105.1) DURATION: 3 HOURS (IFC TABLE B105.1)	COMMON PATH:	STORAGE = 100 FT (MAXIMUM) BUSINESS = 100 FT (MAXIMUM)
	TWO FIRE HYDRANTS PROVIDE COVERAGE TO THE HANGAR PER INDIANA FIRE CODE, SECTION 507.5.1. SEE SITE PLAN FOR LOCATIONS.	DEAD END:	STORAGE = 20 FT (MAXIMUM) BUSINESS = 20 FT (MAXIMUM)
	NOT REQUIRED (NOT PROVIDED)	EGRESS PATH:	MAINTAIN AISLES AND CLEAR SPACE FOR EGRESS AND ACCESS TO FIRE EXTINGUISHERS
	FIRE ALARM NOT REQUIRED BASED ON GROUP S-1 OCCUPANCY AND LOW OCCUPANT LOAD (NFPA 409 AND IBC).	EXIT SIGNAGE:	PER IBC 1011; SEE ELECTRICAL PLANS
	SINCE SUPPRESSION SYSTEM NOT PROVIDED, FIRE ALARM NOT REQUIRED TO MONITOR.	EMERGENCY LIGHTING:	PER IBC 1006.3 FOR MEANS OF EGRESS, INCLUDING EXTERIOR EXIT DISCHARGE; SEE ELECTRICAL PLANS
	TINGUISHERS	OCCUPANT LOAD:	FACTOR FOR MECH/STORAGE = 300 SQ.FT PER PERSON FACTOR FOR AIRCRAFT HANGARS = 500 SQ.FT PER PERSON FACTOR FOR BUSINESS = 100 SQ.FT PER PERSON
<b>.</b>		EGRESS FACTOR:	0.2 INCHES PER PERSON (DOORS AND LEVEL COMPONENTS)
AL	PLANS FOR LOCATIONS.	MINIMUM WIDTH:	34 INCHES MINIMUM CLEAR WIDTH FOR DOORS
E	(TINGUISHER: 75 FEET (MAXIMUM)		
Y	= EXTRA HAZARD; TYPE 4A-B-C (MINIMUM)		
L L	= ORDINARY HAZARD; TYPE 2A-B-C (MINIMUM) IGHT HAZARD; TYPE 2A-B-C (MINIMUM)		

ROOM NAME	OCCUPANCY	AREA (SQ.FT)	FACTOR (SQ.FT / PERSON)	OCCUPANT LOAD			
HANGAR BAY	AIRCRAFT HANGAR	3600	500	8			
HANGAR BAY	AIRCRAFT HANGAR	3600	500	8			
HANGAR BAY	AIRCRAFT HANGAR	3600	500	8			
MECHANICAL	STORAGE/MECH EQUIP	280	300	1			
HANGAR BAY	AIRCRAFT HANGAR	3600	500	8			
HANGAR BAY	AIRCRAFT HANGAR	3600	500	8			
HANGAR BAY	AIRCRAFT HANGAR	3600	500	8			
SERVICE AREA	BUSINESS	840	100	9			
STORAGE	STORAGE/MECH EQUIP	25	300	1			
JANITOR	STORAGE/MECH EQUIP	25	300	1			



L		1	2		3
		GENERAL SAFETY NOTES		G	SENERAL CONSTRUCTION NOTES
	1.	THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF ST AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PE AREAS PRESENTED ON THESE PLANS. ALL PROVISIONS CIRCULAR AC 150/5370-2G, "OPERATIONAL SAFETY ON A CONTRACT EXCEPT AS MODIFIED BY THESE SAFETY PH THROUGH THE RESIDENT ENGINEER AT THE PRECONST THE CONTRACT.	TANDARD OPERATING PROCEDURES FOR RESCRIBED STAGING, CONSTRUCTION, AND PHASING OF THE LATEST EDITION OF FAA ADVISORY IRPORTS DURING CONSTRUCTION," APPLY TO THIS ASING PLANS, OR AS MODIFIED BY THE OWNER RUCTION CONFERENCE OR DURING THE COURSE OF	1. 2.	THE CONTRACTOR IS NOT PERMITTED TO USE THE AIRPORT ENTRANCE DRIVE AND AUTO PALOT FOR MATERIAL AND EQUIPMENT HAULING OR STORAGE. THE CONSTRUCTION ENTRANCE SHOWN ON THE SCOPE OF WORK AND/OR SAFETY PHASING PLANS ARE TO ONLY BE USED FOR DESIGNATED FOR ALL HAULING OF MATERIALS AND EQUIPMENT SHARE RESTRICTED TO THESE DESIGNATED CONSTRUCTION ENTRANCES.
	2.	NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROS CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIV FREE ZONE OR WITHIN 260' OF ANY ACTIVE RUNWAY CE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCT CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPO THE SCHEDULED CONSTRUCTION PERIOD AND THE OPE	SS ANY ACTIVE RUNWAY OR TAXIWAY. ITY WILL NOT BE PERMITTED WITHIN THE OBJECT NTERLINE OR WITHIN 40' OF ANY OTHER ACTIVE ION MAY BE PERMITTED IN THESE AREAS IF THE DRT DIRECTOR AT LEAST 72 HOURS IN ADVANCE OF ERATIONAL AREA IS CLOSED TO TRAFFIC AND	3.	CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR DESIGNATED HAUL ROUTE(S). IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE AND REPA EXISTING AIRFIELD PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE THESE FACILITIES AND ANY EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES ADDITIONAL COST TO THE OWNER.
	3.	PROPER NOTAMS ARE ISSUED BY THE AIRPORT OPERATION. SERVICE STATION. ANY WORK TO BE DONE OFF THE END OF THE RUNWAY	SHALL NOT BE COMPLETED INSIDE OF THE RUNWAY	4.	BY CONSTRUCTION NOT OTHERWISE DESIGNATED TO ORIGINAL CONDITION WITH NO DIRECT PAYMENT. COST TO BE INCLUDED IN THE GP-105 MOBILIZATION/ DEMOBILIZATION.
	4.	NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY ARE HAZARDOUS. THE ENGINEER, ENGINEERS REPRESENT/ RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTA	EA OF THE AIRPORT THAT COULD POTENTIALLY BE ATIVE AND/OR AIRPORT DIRECTOR RESERVE THE IN SAFETY AT THE AIRPORT.	0.	PRIVATE) UTILITIES INCLUDING, BUT NOT LIMITED TO, UNDERGROUND CABLES, DRAINAGE PIL AND STRUCTURES, SANITARY PIPES AND STRUCTURES, GAS LINES, AND FIELD TILES PRIOR CONSTRUCTION ACTIVITIES. ANY DAMAGE TO THESE UTILITIES BY THE CONTRACTOR SHALL REPAIRED AT NO COST TO THE OWNER OR ENGINEER. CONTRACTOR SHALL PROTECT ALL U DURING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROX LOCATIONS ACCORDING TO THE BEST AVAILABLE INFORMATION. TO OBTAIN ACCURATE FIEL
	5. 6.	NO CONSTRUCTION EQUIPMENT SHALL REMAIN OUTSID ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PR DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED AC 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF	E THE PRESCRIBED STAGING AREA OVERNIGHT. ESCRIBED CONSTRUCTION AREA IS REQUIRED TO OR A ROTATING BEACON (STROBE) AS SPECIFIED IN VEHICLES USED ON AN AIRPORT" LATEST EDITION.	6.	THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AT THEIR EXPENSE ALL AUTOMOBIL PEDESTRIAN TRAFFIC CONTROL DEVICES REQUIRED BY FEDERAL, STATE, COUNTY, CITY OR AGENCY. THE AMOUNT, LOCATION AND SIZE SHALL BE PER DIRECTION OF AGENCY.
	7.	WITHIN 65' OF ANY OTHER ACTIVE AIRPORT OPERATION SURFACE (PROVIDED BY THE ENGINEER IF NECESSARY OF AN ACTIVE RUNWAY.	S AREA, OR PENETRATE A PART 77 IMAGINARY S AREA, OR PENETRATE A PART 77 IMAGINARY ) EXTENDING OUT AND UPWARDS FROM ALL SIDES	7. 8.	CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES. CONTRACTOR TO USE THE HAUL ROUTE AS SHOWN ON SAFETY PHASING SHEET.
	8.	CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, A SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED B RED LIGHTS AS SPECIFIED IN 150/5370-2G, "OPERATIONA LATEST EDITION. LIGHTED BARRICADES MUST BE NO TA WITH ADVISORY CIRCULAR 150/5370-10, LATEST EDITION	ND STOCKPILED MATERIALS AT THE CONSTRUCTION ARRICADES WITH STEADY BURNING OR FLASHING AL SAFETY ON AIRPORT DURING CONSTRUCTION, ALLER THAN 18" ON THE TAXIWAYS AND COMPLY J. CONTRACTOR SHALL NIGHT CHECK BARRICADES	9.	ALL AREAS WHERE THE EXISTING PAVEMENT OR PAVEMENTS ARE DAMAGED DURING CONSTRUCTION FROM TRAFFIC BY THE GENERAL CONTRACTOR, SUBCONTRACTORS OR SUPPLIERS, SHALL BE RESURFACED OR RECONSTRUCTED AT LEAST TO THEIR ORIGINAL CONDITION AFTER THE CONSTRUCTION WORK IS COMPLETED.
	9.	DAILY FOR PROPER OPERATION. NO OPEN TRENCHES WITHIN 260' OF AN ACTIVE RUNWA OPERATIONS AREA UNLESS PERMITTED AND PROPERLY SAFE LE BARRICADED OR COVERED WITH STEEL PLAT	Y CENTERLINE OR WITHIN 85' OF ANY AIRPORT ( MARKED. OTHER TRENCHES SHALL BE MAINTAINED	10.	<ul> <li>ALL STORM DRAINAGE CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE CORRENT COUNTY DESIGN AND CONSTRUCTION SPECIFICATIONS MANUAL.</li> <li>TEMPORARY STOCKPILE AREAS ARE TO BE LOCATED AS SHOWN ON THE SCOPE OF WORK S AT THE COMPLETION OF THE PROJECT. CONTRACTOR TO PLACE EXCESS MATERIAL IN THE</li> </ul>
	10.	NO CONSTRUCTION EQUIPMENT GREATER THAN 23' TAL OTHER EQUIPMENT TALLER THAN 23' MAY BE PERMITTE DIRECTOR AND AIRSPACE APPROVAL BY THE FAA.	L WILL BE PERMITTED ON THE AIRPORT. HOWEVER D WITH THE APPROVAL OF THE AIRPORT EXECUTIVE	12.	AIRPORT STOCKPILE AT THE DIRECTION OF THE ENGINEER. TEMPORARY ITEMS FOR STOCKF SUCH AS EROSION CONTROL AND CULVERT CROSSING TO BE PAID FOR UNDER C-105 MOBILE . UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE INCLUDED IN THE C-105
	11.	NO OPEN FLAME WELDING OR TORCH CUTTING OPERAT SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN POTS ARE ALLOWED ON THE PROJECT.	ION IS PERMITTED UNLESS ADEQUATE FIRE AND APPROVED BY THE AIRPORT DIRECTOR NO FLARE		MOBILIZATION.
M	12.	THE PROJECT AREA SHALL BE KEPT FREE OF DEBRIS AN	ND CLEANUP PROCEDURES SHALL BE FOLLOWED		
4, 3:04:40 F	13.	WASTE AND LOOSE MATERIAL SHALL NOT BE PLACED IN TRACKED UNTO THESE AREAS SHALL BE REMOVED CON PROJECT.	NACTIVE MOVEMENT AREAS. ANY SUCH MATERIALS NTINUOUSLY THROUGHOUT THE DURATION ON THE		
:October 18, 202	14.	EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCA NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTR NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR DIRECTOR AND ENGINEER. HAUL ROUTES CROSSING PA STRUCTURES, AND/OR AIRFIELD CABLES SHALL BE PRO	ATING AND MAINTAINING AIRPORT LIGHTING AND UCTION. A CONTACT PERSON AND TELEPHONE & SHALL BE SUBMITTED TO THE AIRPORT EXECUTIVE AVEMENT, DRAINAGE, MISCELLANEOUS DTECTED FROM DAMAGE.		
Plotted	15.	ALL AIRCRAFT OPERATIONS SHALL HAVE THE RIGHT-OF HANGARS AT ANY TIME VEHICLES ARE TO YIELD TO AIR	-WAY. CONTRACTOR SHALL NOT BLOCK ACCESS TO		
ton, Derek	16.	CONTRACTOR SHALL MARK HAZARDOUS AREA WITH ST PERIODS OF LOW VISIBILITY.	EADY-BURNING OR FLASHING RED LIGHTS DURING		
ted By:Wal	17.	THE CONTRACTOR SHALL PERIODICALLY PERFORM ONS THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DI OVERSIGHT, OR PROJECT SCOPE CHANGE.	SITE INSPECTIONS THROUGHOUT THE DURATION OF FFERENCES, WHETHER CAUSED BY NEGLIGENCE,		
Y.dwg Plot	18.	THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO A DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LI PRIOR TO BEGINNING ANY WORK.	AREAS THAT ARE ABSOLUTELY NECESSARY TO MITS SHALL BE COORDINATED WITH THE ENGINEER		
009658-QT	19.	SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUE AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO S PICKED UP AND REMOVED OR PLACED INTO CLOSED CO SHALL BE REPAIRED IMMEDIATELY.	CKED ONTO AIRPORT ROADS, RUNWAYS, TAXIWAYS, SUCH SURFACES, SHALL BE IMMEDIATELY SWEPT OR ONTAINERS. ANY DAMAGE TO AIRPORT SURFACES		
hase 2\1	20.	THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEN TO CONTROL DUST.	ICALS APPROVED BY THE ENGINEER AS NECESSARY		
Ph 2\Cadd\Cd\F	21.	THE CONTRACTOR SHALL NOTIFY AIRPORT OPERATION REQUESTING ANY PAVEMENT CLOSURES. THE AIRPORT PAVEMENT CLOSURE AT ANY TIME WITHOUT ADDITIONA CONTRACTOR SHALL DEVELOP AND MAINTAIN ALTERNA ARE UNAVAILABLE.	S AND FAA A MINIMUM OF 72 HOURS PRIOR TO RETAINS THE RIGHT TO DELAY OR CANCEL A COMPENSATION DUE TO THE CONTRACTOR. THE TE WORK PLANS TO BE UTILIZED WHEN PAVEMENTS		
West Quad	22.	THE CONTRACTOR SHALL MAINTAIN SECURITY ON THE THE GATE SHALL BE SECURED BY AN APPROVED AIRPO LOCK IS USED, IT SHALL BE DOUBLE LOCKED WITH AN C OWNER'S RESPRESENTATIVES. HAVE ACCESS AT ALL T	CONSTRUCTION GATE DESIGNATED FOR ACCESS. RT LOCK OR SECURITY GUARD AT ALL TIMES. IF A WNER-PROVIDED LOCK SO THE OWNER, OR MES		
-TBD_	23.	PAVEMENT DAMAGED BY THE CONTRACTOR'S FORCES	IS TO BE REPAIRED TO THE OWNER'S SATISFACTION		
3_HUF_AIF	24.	UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE MOBILIZATION/DEMOBILIZATION.	IS TO BE INCLUDED IN THE GP-105,		
rt IN\1009658					
ational Airpo					
Haute Intern					
ients\Terre					
JE/Indy/Cli					

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3	4	5		6		7			
<b>NSTRUCTION NOTES</b>									
OT PERMITTED TO USE THE AIRPORT ENTE	RANCE DRIVE AND AUTO PARKING		BASE BID - WEST QUAD DEVELOPMENT 3 UNIT HANGAR & LOUNGE						
OF WORK AND/OR SAFETY PHASING PLAN THE PROJECT FOR ALL HAULING OF MATER	IS ARE TO ONLY BE USED FOR THIS RIALS AND EQUIPMENT SHALL BE	ITEM NO.	SPEC.	ITEM DESCRIPTION	UNIT	AIP QTY	AS-BU QT)		
DESIGNATED CONSTRUCTION ENTRANCE	S.	1	C-105	MOBILIZATION & DEMOBILIZATION	LS	1			
		2	C-115	MAINTENANCE OF TRAFFIC	LS	1			
E PERMITTED TO CROSS OR USE ANY EXI		3	ST-C-95-4.1	CONSTRUCTION ENGINEERING	LS	1			
GENERAL PROJECT AREA OR DESIGNATED HAUL ROUTE(S).		4	C-102-5.1b	INSTALLATION AND REMOVAL OF SILT FENCE	LF	1,680			
		5	C-102-5.1c	INSTALLATION AND REMOVAL OF TEMPORARY INLET PROTECTION	EA	7			
MODELT FOR THE CONTRACTOR TO FROM MENTS AT ALL TIMES THE CONTRACTOR	SHALL REPAIR ANY DAMAGE TO	6	P-101-5.1	COLD MILLING (1.5")	SY	223			
ANY EXISTING ELECTRICAL DRAINAGE AN	ID PAVEMENT STRUCTURES AT NO	7	P-101-5.2	REMOVAL OF EXISTING WATERLINE	LF	145			
HE OWNER.		8	P-101-5.3	REMOVAL AND SALVAGE OF EXISTING FIRE HYDRANT	EA	1			
		9	P-101-5.4	ASPHALT / ASPHALT INTERFACE JOINT	LF	780			
ORE CONSTRUCTION STAGING AREAS, HA	UL ROADS AND AREAS DISTURBED	10	P-152-4.1	UNCLASSIFIED EXCAVATION	CY	2,840			
OTHERWISE DESIGNATED TO ORIGINAL O	CONDITION WITH NO DIRECT	11	P-156-8.1	CEMENT SUBGRADE (UNDISTRIBUTED)	SY	8,930			
NCLUDED IN THE GP-105 MOBILIZATION/ D	EMOBILIZATION.	12	P-156-8.2	CEMENT (UNDISTRIBUTED)	TON	150			
		13	P-605-5.1	CONCRETE / CONCRETE INTERFACE JOINT	LF	970			
RED TO LOCATE, VERIFY AND MARK THE L	OCATION OF ALL (PUBLIC AND	14	P-605-5.2	ASPHALT / CONCRETE INTERFACE JOINT	LF	410			
UDING, BUT NOT LIMITED TO, UNDERGRO	UND CABLES, DRAINAGE PIPES	15	P-610-6.1	CONCRETE	SY	730			
ITARY PIPES AND STRUCTURES, GAS LINE	S, AND FIELD TILES PRIOR TO ANY	16	P-620-4.1b	PAVEMENT MARKINGS (ANY COLOR)	SF	970			
IES. ANY DAMAGE TO THESE UTILITIES BY	THE CONTRACTOR SHALL BE	17	P-620-4.1c	REFLECTIVE MEDIA - TYPE III	LB	120			
IO THE OWNER OR ENGINEER. CONTRACT	IOR SHALL PROTECT ALL UTILITIES	18	D-701-5.1	12 INCH, 16 GAUGE CORRUGATED STEEL PIPE	LF	20			
N. EXISTING UNDERGROUND UTILITIES ARE		19	D-702-5.1	12 INCH, 16 GAUGE SLOTTED DRAIN PIPE	LF	202			
G UNDERGROUND UTILITIES, THE CONTRA	CTOR SHALL NOTIFY THE	20	D-705-5.1	6 INCH PIPE, PERFORATED UNDERDRAIN, COMPLETE (INCLUDING POROUS BACKFILL AND FILTER FABRIC)	LF	780			

ESPONSIBLE TO PROVIDE AT THEIR EXPENSE ALL AUTOMOBILE AND L DEVICES REQUIRED BY FEDERAL, STATE, COUNTY, CITY OR LOCAL TION AND SIZE SHALL BE PER DIRECTION OF AGENCY.

RUCTION AND MATERIALS SHALL CONFORM TO THE CURRENT VIGO UCTION SPECIFICATIONS MANUAL.

ARE TO BE LOCATED AS SHOWN ON THE SCOPE OF WORK SHEET. ROJECT, CONTRACTOR TO PLACE EXCESS MATERIAL IN THE RECTION OF THE ENGINEER. TEMPORARY ITEMS FOR STOCKPILE ND CULVERT CROSSING TO BE PAID FOR UNDER C-105 MOBILZATION.

		BASE BID - WEST OLIAD DEVELOPMENT 3 LINIT HANGAR & LOUNGE				
ITEM NO.	SPEC.	ITEM DESCRIPTION	UNIT	AIP QTY	AS-BUILT QTY	WOOLPERT
1 2	C-105 C-115	MOBILIZATION & DEMOBILIZATION MAINTENANCE OF TRAFFIC	LS LS	1 1		333 North Alabama Street, Suite 200
3 4	ST-C-95-4.1 C-102-5.1b	CONSTRUCTION ENGINEERING INSTALLATION AND REMOVAL OF SILT FENCE	LS LF	1 1,680		317.299.7500
5 6	C-102-5.1c P-101-5.1	INSTALLATION AND REMOVAL OF TEMPORARY INLET PROTECTION COLD MILLING (1.5")	EA SY	7 223		E
7 8	P-101-5.2 P-101-5.3	REMOVAL OF EXISTING WATERLINE REMOVAL AND SALVAGE OF EXISTING FIRE HYDRANT	LF EA	145 1		annut the the second second
9 10	P-101-5.4 P-152-4.1	ASPHALT / ASPHALT INTERFACE JOINT UNCLASSIFIED EXCAVATION	LF CY	780 2,840		CISTED VE
11 12	P-156-8.1 P-156-8.2	CEMENT SUBGRADE (UNDISTRIBUTED) CEMENT (UNDISTRIBUTED)	SY TON	8,930 150		E No. S
13 14	P-605-5.1 P-605-5.2	CONCRETE / CONCRETE INTERFACE JOINT ASPHALT / CONCRETE INTERFACE JOINT	LF LF	970 410		D 10101231
15 16	P-610-6.1 P-620-4.1b	CONCRETE PAVEMENT MARKINGS (ANY COLOR)	SY SF	730 970		ADIANA SE
17	P-620-4.1c	REFLECTIVE MEDIA - TYPE III 12 INCH 16 GAUGE CORRUGATED STEEL PIPE	LB	120		SYONAL ELIMAN
19	D-702-5.1	12 INCH, 16 GAUGE SLOTTED DRAIN PIPE	LF	202		- CL982 10-18-24
20	D-705-5.1	FILTER FABRIC)	LF	780		
21	D-705-5.2 D-751-5.3	0 INCH PIPE, NON-PERFORATED UNDERDRAIN, COMPLETE	EA	30 5		ISSUED FOR BID
23 24	D-751-5.1 D-751-5.2	ADJUST EXISTING STORM STRUCTURE	EA EA	3 1		
25 26	T-901-5.1 T-908-5.1	SEEDING MULCHING	KSF SY	45 4,970		
27 28	L-110-5.1 L-110-5.2	2" 1-WAY CONCRETE ENCASED DUCT BANK (SPLIT CONDUIT) 4" 3-WAY NON-ENCASED CONDUIT (TYPE II PVC)	LF LF	70 80		
29 30	L-125-4.1 UT-00	TAXILANE EDGE REFLECTOR REINSTALL FIRE HYDRANT ASSEMBLY	EA EA	11 1		
31 32	UT-00 UT-01	8" C900 PVC FIRE PROTECTION LINE 2" C900 PVC DOMESTIC WATERLINE	LF	20 270		D
33	UT-01	1.5" METER PIT 6 INCH SDR 35 PVC SANITARY LATERAL	EA IF	1 200		
35	UT-02	48" MANHOLE, TYPE C	EA	1		
30 37	UT-02 INDOT 301	COMPACTED AGGREGATE, NO. 53 BASE	EA CY	1,000		
38 39	INDOT 401 INDOT 401	QC/QA-HIMA, 2, 585, BASE, 19.0MIM QC/QA-HMA, 2, 58S, SURFACE, 12.5MM	TON	650 520		HED
40 41	INDOT 406 INDOT 808	ASPHALT FOR TACK COAT PAVEMENT MESSAGE MARKING, ADA	SY EA	5,340 2		
42 43	SP-02 SP	WHEEL STOPS HANGAR BUILDING	EA SF	26 12,285		SCRIP
44	SP	HANGAR BUILDING - SPECIALIZED FOUNDATIONS	LS	1		
		ALTERNATE BID - WEST QUAD DEVELOPMENT 6 UNIT HANGAR & LOUNG	E	ΔΙΡ		
NO.	SPEC.	ITEM DESCRIPTION	UNIT	QTY	QTY	Щ
1 2	C-105 C-115	MOBILIZATION & DEMOBILIZATION MAINTENANCE OF TRAFFIC	LS LS	1		DA
3 4	ST-C-95-4.1 C-102-5.1b	CONSTRUCTION ENGINEERING INSTALLATION AND REMOVAL OF SILT FENCE	LS LF	1 1,680		WBER
5 6	C-102-5.1c P-101-5.1	INSTALLATION AND REMOVAL OF INLET PROTECTOR (DANDY BAG) COLD MILLING (2")	EA SY	7 220		
7 8	P-101-5.2 P-101-5.3	REMOVAL OF EXISTING WATERLINE REMOVAL AND SALVAGE OF EXISTING FIRE HYDRANT	LF EA	145 1		C
9 10	P-101-5.4 P-152-4.1	ASPHALT / ASPHALT INTERFACE JOINT	LF CY	780 2.840		
11	P-156-8.1	CEMENT SUBGRADE (UNDISTRIBUTED)	SY TON	8,930 150		
13	P-605-5.1	CONCRETE / CONCRETE INTERFACE JOINT		970		
14	P-610-6.1		SY	730		
16 17	P-620-4.1b P-620-4.1c	REFLECTIVE MEDIA - TYPE III	LB	970 120		
18 19	D-701-5.1 D-702-5.1	12 INCH, 16 GAUGE CORRUGATED STEEL PIPE 12 INCH, 16 GAUGE SLOTTED DRAIN PIPE	LF LF	20 390		ll <b>d</b> ₹
20	D-705-5.1	6 INCH PIPE, PERFORATED UNDERDRAIN, COMPLETE (INCLUDING POROUS BACKFILL AND FILTER FABRIC)	LF	780		
21 22	D-705-5.2 D-751-5.3	6 INCH PIPE, NON-PERFORATED UNDERDRAIN, COMPLETE UNDERDRAIN CLEANOUTS	LF EA	30 5		
23 24	D-751-5.1 D-751-5.2	MANHOLES (60", SET OVER) ADJUST EXISTING STORM STRUCTURE	EA EA	3		
25 26	T-901-5.1 T-908-5 1	SEEDING	KSF	30 3,330		
27	L-110-5.2	2" 1-WAY CONCRETE ENCASED DUCT BANK (SPLIT CONDUIT)	LF	70		
29	L-110-5.2 L-125	TAXILANE EDGE REFLECTOR	EA	11		
30 31	UT-00 UT-00	8" C900 PVC FIRE PROTECTION LINE	LF	1 20		ll m m
32 33	UT-01 UT-01	2" C900 PVC DOMESTIC WATERLINE 1.5" METER PIT	LF EA	270		В Бер
34 35	UT-02 UT-02	6 INCH SDR 35 PVC SANITARY LATERAL 48" MANHOLE, TYPE C	LF EA	110 1		
36 37	UT-02 INDOT 301	SANITARY CLEANOUT COMPACTED AGGREGATE, NO. 53 BASE	EA	1 1,000		
38 39	INDOT 401 INDOT 401	QC/QA-HMA, 2, 58S, BASE, 19.0MM QC/QA-HMA, 2, 58S, SURFACE, 12.5MM	TON TON	650 520		
40 41	INDOT 406	ASPHALT FOR TACK COAT	SY FA	5,340		Щ 5
42	SP-02	WHEEL STOPS	EA	26		
43 44	SP SP	HANGAR BUILDING HANGAR BUILDING - SPECIALIZED FOUNDATIONS	LS	23,441		
36 37 38 39 40 41 42 43 44	UT-02 INDOT 301 INDOT 401 INDOT 401 INDOT 406 INDOT 808 SP-02 SP SP	SANITARY CLEANOUT COMPACTED AGGREGATE, NO. 53 BASE QC/QA-HMA, 2, 58S, BASE, 19.0MM QC/QA-HMA, 2, 58S, SURFACE, 12.5MM ASPHALT FOR TACK COAT PAVEMENT MESSAGE MARKING, ADA WHEEL STOPS HANGAR BUILDING HANGAR BUILDING - SPECIALIZED FOUNDATIONS OTES	EA CY TON TON SY EA EA EA SF LS	1 1,000 650 520 5,340 2 26 23,44 1	0	D D D D I I I I I I I I I I I I I I I I
TI EM L ARY Y LIS BAS ITEI G CO	ABELED DEPENDI STED FOF SED ON T M C-95-4.7	<b>OTES</b> UNDISTRIBUTED INDICATES THAT THE USE OF THE ITEM MAY OR MAY NOT BE NG ON THE SITE CONDITIONS FOUND DURING CONSTRUCTION. THE R AN UNDISTRIBUTED ITEM IS ONLY AN APPROXIMATION AND PAYMENT WILL HE ACTUAL QUANTITY USED. I CONSTRUCTION ENGINEERING, SEE SURVEYOR'S, BENCHMARK, AND S NOTES ON SURVEY SHEET FOR FURTHER REQUIREMENTS.				
; ; ;	TS ASSOCIAT UCTION SIGN TS ASSOCIAT FOR UNDER C NTENANCE OI	ED WITH THE USE OF BARRICADES, CLOSURE CROSSES, AND ROADWAY S SHALL BE PAID FOR UNDER C-115 MAINTENANCE OF TRAFFIC. ED WITH THE ESTABLISHMENT AND MAINTENANCE OF A HAUL ROUTE SHALL C-115 MAINTENANCE OF TRAFFIC: HAUL ROUTE CONSTRUCTION. REFER TO F TRAFFIC PLAN FOR MORE DETAILS.				A <u>SHEET NAME:</u> SUMMARY OF QUANTITIES
						<u>SHEET NO:</u> <b>C-002</b>

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### SCOPE OF WORK NOTES

- 1. THE SCOPE OF WORK SHEETS ARE INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. THESE SHEETS SHALL NOT BE USED AS A CONSTRUCTION PLAN. REFER TO THE FOLLOWING PLAN SHEETS AND INSTRUCTIONS TO BIDDERS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
- 2. THE INTENT OF THIS PROJECT IS TO GRADE AND DRAIN THE PROPOSED 6-UNIT HANGAR SITE AND ASSOCIATED TAXILANE G3 AND AUTO PARKING LOT. THIS WILL BE IN PREPARATION OF ERECTION OF THE HANGAR BUILDING AND THE PLACEMENT OF THE PAVEMENT BY THE CONTRACTOR.
- 3. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
- 4. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN.
- 5. CONSTRUCTION WILL TAKE PLACE IN AIRCRAFT OPERATIONAL AREAS. ALL RUBBISH AND DEBRIS RESULTING FROM WORK SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR ON A DAILY BASIS.
- 6. ALL OPEN TRENCHES, EXCAVATION AREAS, AND STOCKPILE MATERIAL SHALL BE PROMINENTLY MARKED, LIGHTED, BARRICADED, ETC. AS DEEMED NECESSARY BY THE FAA, INDOT, AIRPORT, OR ENGINEER.
- 7. THE CONSTRUCTION ENTRANCE ROADS SHALL BE AS INDICATED ON THE SAFETY PHASING PLANS. ACCESS TO THE PROJECT FOR ALL MATERIALS HAULING AND HEAVY EQUIPMENT SHALL BE RESTRICTED TO THE DESIGNATED CONSTRUCTION ENTRANCE.
- 8. CONTRACTOR SHALL RESTORE CONSTRUCTION STAGING AREAS AND AREAS DISTURBED BY CONSTRUCTION, NOT OTHERWISE DESIGNATED, TO ORIGINAL CONDITION WITH NO DIRECT PAYMENT. COST SHALL BE CONSIDERED INCIDENTAL TO, AND TO BE INCLUDED IN, THE M-090 MOBILIZATION/DEMOBILIZATION COSTS.
- 9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE EXISTING PAVEMENTS AT ALL TIMES, AND ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. UNLESS SHOWN ON THE PLANS, AT NO TIME SHALL THE CONTRACTOR HAUL HEAVY EQUIPMENT ON NEWLY PAVED SURFACES EXCEPT THAT EQUIPMENT NECESSARY FOR PAVING. STEEL PLATES, OR OTHER APPROVED MEANS OF PROTECTING PAVEMENT, (COST INCIDENTAL) SHALL BE PROVIDED AS NECESSARY.
- 10. THE CONTRACTOR SHALL KEEP ALL PAVEMENTS CLEAN DURING CONSTRUCTION, AND SHALL TAKE CARE IN MINIMIZING DUST AND DEBRIS IN AN EFFORT TO ELIMINATE ANY POTENTIAL FOR CONCERNS.
- 11. NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
- 12. THE STAGING AREAS, HAUL ROUTES AND ALL OTHER AREAS OUTSIDE CONSTRUCTION LIMITS DISTURBED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 13. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS SHALL BE GRADED, SEEDED AND/OR HYDROMULCH SEEDED AT NO COST TO THE OWNER.
- 14. ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED UNLESS OTHERWISE SPECIFIED HEREIN.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
- 16. ALL SALVAGEABLE MATERIAL REMOVED SHALL REMAIN THE PROPERTY OF THE AIRPORT.
- 17. CONTRACTOR SHALL REFER TO THE INSTRUCTIONS TO BIDDERS IN THE SPECIFICATIONS FOR SCHEDULE OF ANTICIPATED AWARD, NOTICE TO PROCEED DATES AND SUBSTANTIAL COMPLETION DATES TO BE MET.
- 18. THE FEDERAL AVIATION ADMINISTRATION (FAA) SHALL BE CONTACTED PRIOR TO ANY CONSTRUCTION ACTIVITIES INVOLVING ANY FAA-OWNED EQUIPMENT OR CABLES. THE FAA SHALL BE CONTACTED IMMEDIATELY IF ANY FAA EQUIPMENT OR CABLES ARE DAMAGED. ANY DAMAGE TO FAA-OWNED EQUIPMENT OR CABLES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- 19. THE CONTRACTOR IS REQUIRED TO LOCATE, VERIFY AND MARK THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES. ANY DAMAGE TO THESE UTILITIES SHALL BE REPAIRED AT NO COST TO THE OWNER OR ENGINEER.
- 20. CONTRACTOR IS REQUIRED TO PROVIDE RESTROOM FACILITIES FOR ALL CONTRACTOR AND SUBCONTRACTOR EMPLOYEES.
- 21. THE CONTRACTOR MUST MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY THEIR WORK.
- 22. A FIELD OFFICE IS NOT REQUIRED FOR THIS PROJECT.



WEST QUAD (VIEW #1 IN KEYMAP)





**OVERALL SURVEY PLAN** SCALE: 1" = 300'

EXISTING ACCESS ROAD

GATE #23

1. EACH CONTRACTOR SHALL RUN A LEVEL CIRCUIT TO VERIFY BENCHMARK ELEVATIONS PRIOR TO STAKING AND CONSTRUCTION. NO DIRECT PAYMENT WILL BE MADE FOR THIS ACTIVITY. THIS SHALL BE CONSIDERED PART OF CONSTRUCTION

2. EXISTING ELEVATIONS GENERATED ARE BASED ON A "TIN" SURFACE MODEL AND MAY

3. CONTRACTOR TO VERIFY CRITICAL GRADES AND ELEVATIONS AS REQUIRED TO PERFORM THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.

4. ALL NORTHINGS, EASTINGS, LATITUDES AND LONGITUDES BASED ON THE NAD 83

5. CONTRACTOR SHALL ENSURE A LICENSED LAND SURVEYOR REGISTERED IN THE STATE OF INDIANA TO RE-ESTABLISH ALL VERTICAL AND HORIZONTAL CONTROL REMOVED AS PART OF THIS PROJECT. REFER TO SPECIFICATION C-95 FOR

6. THE CONTRACTOR SHALL SET REFERENCE LINE AND BENCHMARK GRADE CONTROL

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING THE CONTROL AND FURNISHING ALL ADDITIONAL STAKING AND MARKING NECESSARY TO COMPLETE THE WORK. ALL CONSTRUCTION STAKING SHALL MEET C-95 CONSTRUCTION ENGINEERING

8. THE CONTRACTOR SHALL PROVIDE ONE SET OF REDLINED AS-BUILT DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL COMPLETE AN AS-BUILT TOPOGRAPHIC SURVEY FOR ALL FINISHED GRADING IN THE CONSTRUCTION LIMITS TO AID IN VERIFYING EXCAVATION QUANTITIES. TOPOGRAPHIC SURVEY AND AS-BUILT PREPARATION TO BE PAID IN C-95 CONSTRUCTION







- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE INDIANA MANUAL ON UNIFORM TRAFFIC
- UNLESS OTHERWISE SPECIFIED, CONSTRUCTION SIGNS SHALL BE PORTABLE SUPPORT IS DEFINED AS A TYPICAL SIGN STANDARD AS SHOWN ON THIS SHEET, OR A SMALL LIGHT WEIGHT TRAILER. A SUPPORTS USED, SHALL BE MOUNTED SUCH THAT THE MESSAGE PLACEMENT. THE COST OF CONSTRUCTION WARNING LIGHTS
- THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE YELLOW. THEY ARE TO
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH
- SIGNS TO BE PAID UNDER THE C-115 MAINTENANCE OF TRAFFIC



SHEET NO:







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# LEGEND

EXISTING BUILDING

WORK AREA A (OUTSIDE TAXILANE SAFETY AREA)

WORK AREA B

WORK AREA C (INSIDE TAXILANE SAFETY AREA) CONSTRUCTION STAGING AREA

CONSTRUCTION ENTRANCE DRIVE

EXISTING PAVEMENT EDGE PAVEMENT CENTERLINE EXISTING FENCE LINE RELOCATED FENCE LINE EXISTING TAXIWAY SAFETY AREA EXISTING TAXIWAY OBJECT FREE AREA EXISTING TAXILANE OBJECT FREE AREA LOW PROFILE BARRICADES TRAFFIC BARREL DRUM

	OVERALL CONSTRUCTION SCHEDULE					
WORK AREAS	DESCRIPTION	BASE BID TOTAL DURATION OF WORK	ALTERNATE 1 BID TOTAL DURATION OF WORK	LIQUIDATED DAMAGES		
A	INSTALL UTILITIES, GRADE AND DRAIN, PAVE AND MARK OUTSIDE TAXILANE "F3" TLOFA, PAVEMENT MARKINGS AND FINAL SEEDING	30 CALENDAR DAYS	30 CALENDAR DAYS	\$1,000 / DAY		
B	CONSTRUCT BUILDING FOUNDATION AND STRUCTURE, COMPLETE ALL BUILDING FINISHES	120 CALENDAR DAYS	180 CALENDAR DAYS	\$1,000 / DAY		
¢	INSTALL UTILITIES, GRADE AND DRAIN, PAVE AND MARK INSIDE TAXILANE "F3" TLOFA, PAVE AREA INSIDE TAXILANE F3 TLOFA, PAVEMENT MARKINGS AND FINAL SEEDING	0 CALENDAR DAYS (7 DAYS WITHIN PHASE A)	0 CALENDAR DAYS (7 DAYS WITHIN PHASE A)	\$1,000 / DAY		
	TOTAL CONTRACT TIME	150 CALENDAR DAYS	210 CALENDAR DAYS	\$1,000 / DAY (SEE NOTES BELOW)		

### **OVERALL PHASING NOTES:**

- 1. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER AT LEAST 72 HOURS IN ADVANCE OF CLOSING ANY AIRFIELD PAVEMENTS TO ISSUE APPROPRIATE NOTAMS.
- 2. ALL MAINTENANCE OF TRAFFIC CLOSURE CROSSES AND BARRICADES SHALL BE PLACED IN THE DESCRIBED AREAS AS SHOWN ON THE INDIVIDUAL PHASING SHEETS. AT NO TIME SHALL CLOSURE CROSSES AND/OR BARRICADES BE REMOVED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- 3. PHASE AREAS A, B, AND C MUST BE COMPLETED SIMULTANEOUSLY. THE INTENT IS TO SEQUENCE SIMILAR CONSTRUCTION ACTIVITIES TO MINIMIZE THE NUMBER OF MOBILIZATIONS / DEMOBILIZATIONS WHILE, AT THE SAME TIME, MINIMIZING IMPACTS TO CRITICAL AREAS OF THE AIRPORT (E.G. TAXIWAY F3 TLOFA). FAILURE TO COMPLETE THE WORK WITHIN THE REQUIRED CALENDAR DAYS MAY RESULT IN LIQUIDATE DAMAGES. PHASES MUST BE COMPLETED IN CONCURRENT CALENDAR DAYS - NO STARTING, STOPPING, AND RESTARTING OF TIME WILL BE PERMITTED UNLESS DESCRIBED ON THE PLANS OR WITHOUT WRITTEN AUTHORIZATION FROM THE AIRPORT SPONSOR AND ENGINEER.
- 4. FOR WORK WITHIN WORK AREA C LIMITS, CONTRACTOR SHALL RELOCATE WATER LINE. CONTRACTOR'S CALENDAR DAYS TO CONSTRUCT, TEST, AND FINISH THE UTILITY EXTENSIONS SHALL BE COUNTED AS CALENDAR DAYS ON THE CONTRACT TIME. WAITING PERIODS CAUSED BY UTILITY INSTALLATION REQUIREMENTS/APPROVALS SHALL NOT BE COUNTED AS PART OF THE CALENDAR DAYS IF IT IMPACTS THE CONTRACTOR'S SCHEDULE UNLESS FURTHER DELAYS WERE CAUSED BY THE CONTRACTOR'S NEGLIGENCE OR POOR WORKMANSHIP.
- 5. UPON THE COMPLETION OF ALL THE WORK AND AS APPROVED BY THE OWNER AND ENGINEER, THE CONTRACTOR SHALL REMOVE ALL MAINTENANCE OF TRAFFIC ITEMS, BARRICADES, AND EROSION CONTROL ITEMS. THIS WORK CAN BE DONE WITH PUNCHLIST ITEMS AND NO DAYS WILL BE CHARGED FOR THIS ACCORDINGLY.

## **COMPLETION OF WORK TABLE NOTES:**

- 1. WEATHER DAYS WILL BE GRANTED IN ACCORDANCE WITH THE GENERAL PROVISIONS OF THE CONTRACT AND EXTEND THE DURATION OF THE WORK (AND PHASE IF APPLICABLE) ACCORDINGLY.
- 2. THE PROJECT WILL BE CONTRACTED NO LATER THAN 12/24/2024. THE CONTRACTOR MAY BEGIN SITE WORK AT THE EARLIEST POSSIBLE DATE IN 2025. THE CONTRACTOR MUST FINISH THE PROJECT INCLUDING ALL PUNCHLIST ITEMS (SO THE UNITS CONSTRUCTED ARE FULLY RENTABLE) NO LATER THAN NOVEMBER 30, 2025 OR LIQUIDATED DAMAGES WILL BE ASSESSED OF \$1,000 PER DAY REGARDLESS OF WEATHER FOR CONTRACT ADMINISTRATION AND CONSTRUCTION INSPECTION.
- 3. IF ANY PUNCHLIST WORK REMAINS THAT PROHIBITS OCCUPANCY BY TENANTS AFTER THE REQUIRED COMPLETION DATE OR THE COMPLETION TIME, LIQUIDATED DAMAGES WILL BE INCREASED AN ADDITIONAL \$30 PER UNIT CONSTRUCTED PER DAY. THIS IS THE LOSS IN REVENUE FOR AN OCCUPIED BOX HANGAR UNIT EACH DAY. THIS EXCLUDES ANY WARRANTY WORK THAT MAY BE REQUIRED FOR CONTRACT.





SHEET NAME: OVERALL CONSTRUCTION SAFETY PHASING PLAN

C-006

SHEET NO:





WORK AREA A (OUTSIDE TAXILANE OBJECT FREE AREA)

CONSTRUCTION STAGING AREA

WORK AREA B

CONSTRUCTION ENTRANCE DRIVE

EXISTING PAVEMENT EDGE PAVEMENT CENTERLINE EXISTING FENCE LINE RELOCATED FENCE LINE EXISTING TAXIWAY SAFETY AREA EXISTING TAXIWAY OBJECT FREE AREA EXISTING TAXILANE OBJECT FREE AREA LOW PROFILE BARRICADES TRAFFIC BARREL DRUM

PHASE 1 COMPLETION OF WORK TABLE					
AREA	DURATION	AIRFIELD CLOSURES	WORK ELEMENTS	WORK RESTRICTIONS / ADDITIONAL INFORMATION	
A	29 CALENDAR DAYS (CONT'D IN PHASE 2)	NONE	INSTALL UTILITIES, GRADE AND DRAIN, PAVE AND MARK (1ST APPLICATION) OUTSIDE TAXILANE "F3" TLOFA	1. CONTRACTOR SHALL NOT ENCROACH INTO THE TAXILANE F3 TLOFA AT ANY TIME DURING THIS WORK.	
В	120 OR 180 CALENDAR DAYS (CONT'D IN PHASE 2)	NONE	CONSTRUCT BUILDING FOUNDATION AND STRUCTURE. COMPLETE ALL BUILDING FINISHES	1. CONTRACTOR SHALL NOT ENCROACH INTO THE TAXILANE F3 TLOFA AT ANY TIME DURING THIS WORK.	

THE ITEMS DECRIBED ARE MAJOR WORK ELEMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL WORK ELEMENTS WITHIN EACH OPERATIONAL PHASE.

### **PHASING NOTES:**

- 1. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER AT LEAST 72 HOURS IN ADVANCE OF CLOSING ANY AIRFIELD PAVEMENTS TO ISSUE APPROPRIATE NOTAMS.
- 2. ALL MAINTENANCE OF TRAFFIC CLOSURE CROSSES AND BARRICADES SHALL BE PLACED IN THE DESCRIBED AREAS AS SHOWN ON THE INDIVIDUAL PHASING SHEETS. AT NO TIME SHALL CLOSURE CROSSES AND/OR BARRICADES BE REMOVED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- 3. UPON THE COMPLETION OF ALL THE WORK AND AS APPROVED BY THE OWNER AND ENGINEER, THE CONTRACTOR SHALL REMOVE ALL MAINTENANCE OF TRAFFIC ITEMS, BARRICADES, AND EROSION CONTROL ITEMS. THIS WORK CAN BE DONE WITH PUNCHLIST ITEMS AND NO DAYS WILL BE CHARGED FOR THIS ACCORDINGLY.

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	-	PROJECT NO: 10019658 DATE ISSUED: 10/18/2024				
		DESIGNED BY: CJS DRAWN BY: TRO				
	A	CHECKED BY: JAB SHEET NAME:				
		CONSTRUCTION SAFETY PHASING PLAN				
		- PHASE 1				



SHEET NO:

**C-007** 







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# LEGEND

EXISTING BUILDING

WORK AREA A (OUTSIDE TAXILANE OBJECT FREE AREA)

WORK AREA B WORK AREA C

(INSIDE TAXILANE OBJECT FREE AREA) CONSTRUCTION STAGING AREA

CONSTRUCTION ENTRANCE DRIVE

EXISTING PAVEMENT EDGE PAVEMENT CENTERLINE EXISTING FENCE LINE RELOCATED FENCE LINE EXISTING TAXIWAY SAFETY AREA EXISTING TAXIWAY OBJECT FREE AREA EXISTING TAXILANE OBJECT FREE AREA LOW PROFILE BARRICADES TRAFFIC BARREL DRUM

	PHASE 2 COMPLETION OF WORK TABLE					
AREA	DURATION	AIRFIELD CLOSURES	WORK ELEMENTS	WORK RESTRICTIONS / ADDITIONAL INFORMATION		
A	29 CALENDAR DAYS (CONT'D IN PHASE 1)	NONE	INSTALL UTILITIES, GRADE AND DRAIN, PAVE AND MARK (1ST APPLICATION) OUTSIDE TAXILANE "F3" TLOFA	CONTRACTOR SHALL NOT ENCROACH INTO THE TAXILANE F3 TLOFA WHEN TAXILANE F3 IS OPERATIONAL.		
B	120 OR 180 CALENDAR DAYS (CONT'D IN PHASE 1)	NONE	CONSTRUCT BUILDING FOUNDATION AND STRUCTURE. COMPLETE ALL BUILDING FINISHES	CONTRACTOR SHALL NOT ENCROACH INTO THE TAXILANE F3 TLOFA WHEN TAXILANE F3 IS OPERATIONAL.		
¢	6 CALENDAR DAYS	1. TAXILANE F3 2. T-HANGAR TAXILANE	INSTALL UTILITIES, GRADE AND DRAIN, PAVE AND MARK (1ST APPLICATION) INSIDE TAXILANE "F3" TLOFA	<ol> <li>CONTRACTOR TO COVER UTILITY OPEN CUT AREAS WITH STEEL PLATES WITHIN TAXILANE F3 AND T-HANGAR TAXILANE PAVEMENT LIMITS AND RELOCATE BARRICADES AT THE DIRECTION OF THE ENGINEER AT THE END OF EACH WORKING DAY.</li> <li>WORK FOR WORK AREA C CAN BE INITIATED AT ANY TIME WHILE WORK AREAS A AND B ARE UNDER CONSTRUCTION BUT HAS TO BE COMPLETED WITHIN THE PRESCRIBED SEVEN (7) CALENDAR DAYS. THE INTENT IS TO TIME THE WORK FOR WORK AREA C WITHIN SIMILAR OPERATIONS AS WORK AREA A TO MINIMIZE MOBILIZATIONS / DEMOBILTZATIONS OF EQUIPMENT, PERSONNEL, ETC.</li> </ol>		

THE ITEMS DECRIBED ARE MAJOR WORK ELEMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL WORK ELEMENTS WITHIN EACH OPERATIONAL PHASE.

## **PHASING NOTES:**

- 1. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER AT LEAST 72 HOURS IN ADVANCE OF CLOSING ANY AIRFIELD PAVEMENTS TO ISSUE APPROPRIATE NOTAMS.
- 2. ALL MAINTENANCE OF TRAFFIC CLOSURE CROSSES AND BARRICADES SHALL BE PLACED IN THE DESCRIBED AREAS AS SHOWN ON THE INDIVIDUAL PHASING SHEETS. AT NO TIME SHALL CLOSURE CROSSES AND/OR BARRICADES BE REMOVED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- 3. PHASES 1 AND 2 MUST BE COMPLETED SIMULTANEOUSLY. THE INTENT IS TO SEQUENCE SIMILAR CONSTRUCTION ACTIVITIES TO MINIMIZE THE NUMBER OF MOBILIZATIONS / DEMOBILIZATIONS WHILE, AT THE SAME TIME, MINIMIZING IMPACTS TO CRITICAL AREAS OF THE AIRPORT (E.G. TAXIWAY F3 TLOFA). FAILURE TO COMPLETE THE WORK WITHIN THE REQUIRED CALENDAR DAYS MAY RESULT IN LIQUIDATE DAMAGES. PHASES MUST BE COMPLETED IN CONCURRENT CALENDAR DAYS - NO STARTING, STOPPING, AND RESTARTING OF TIME WILL BE PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM THE AIRPORT SPONSOR AND ENGINEER.
- 4. FOR WORK WITHIN WORK AREA C LIMITS, CONTRACTOR SHALL RELOCATE WATER LINE. CONTRACTOR'S CALENDAR DAYS TO CONSTRUCT, TEST, AND FINISH THE UTILITY EXTENSIONS SHALL BE COUNTED AS CALENDAR DAYS ON THE CONTRACT TIME. WAITING PERIODS CAUSED BY UTILITY INSTALLATION REQUIREMENTS/APPROVALS SHALL NOT BE COUNTED AS PART OF THE CALENDAR DAYS IF IT IMPACTS THE CONTRACTOR'S SCHEDULE UNLESS FURTHER DELAYS WERE CAUSED BY THE CONTRACTOR'S NEGLIGENCE OR POOR WORKMANSHIP.
- 5. UPON THE COMPLETION OF ALL THE WORK AND AS APPROVED BY THE OWNER AND ENGINEER, THE CONTRACTOR SHALL REMOVE ALL MAINTENANCE OF TRAFFIC ITEMS, BARRICADES, AND EROSION CONTROL ITEMS. THIS WORK CAN BE DONE WITH PUNCHLIST ITEMS AND NO DAYS WILL BE CHARGED FOR THIS ACCORDINGLY.







SHEET NO:





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# LEGEND

EXISTING BUILDING

WORK AREA A (OUTSIDE TAXILANE OBJECT FREE AREA)

WORK AREA B

WORK AREA C (INSIDE TAXILANE OBJECT FREE AREA) CONSTRUCTION STAGING AREA

CONSTRUCTION ENTRANCE DRIVE

EXISTING PAVEMENT EDGE PAVEMENT CENTERLINE EXISTING FENCE LINE RELOCATED FENCE LINE EXISTING TAXIWAY SAFETY AREA EXISTING TAXIWAY OBJECT FREE AREA EXISTING TAXILANE OBJECT FREE AREA LOW PROFILE BARRICADES TRAFFIC BARREL DRUM

PHASE 3 COMPLETION OF WORK TA					
AREA	DURATION	AIRFIELD CLOSURES	WORK ELEMENTS		
A	1 CALENDAR DAY	1. TAXILANE F3 (ROLLING CLOSURE)	PAINT PAVEMENT MARKINGS FINAL SEEDING		
¢		2. T-HANGAR TAXILANE (ROLLING CLOSURE)			
В	120 OR 180 CALENDAR DAYS (CONT'D FROM PHASE 1 AND 2)	NONE	CONSTRUCT BUILDING FOUNDATION AND STRUCTURE. COMPLETE ALL BUILDING FINISHES		

THE ITEMS DECRIBED ARE MAJOR WORK ELEMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL WOR

# **PHASING NOTES:**

- 1. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER AT LEAST 72 HOURS IN ADVANCE OF CLOSING ANY AIRFIELD PAVEMENTS TO ISSUE APPROPRIATE NOTAMS.
- 2. ALL MAINTENANCE OF TRAFFIC CLOSURE CROSSES AND BARRICADES SHALL BE PLACED IN THE DESCRIBED AREAS AS SHOWN ON THE INDIVIDUAL PHASING SHEETS. AT NO TIME SHALL CLOSURE CROSSES AND/OR BARRICADES BE REMOVED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- 3. UPON THE COMPLETION OF ALL THE WORK AND AS APPROVED BY THE OWNER AND ENGINEER, THE CONTRACTOR SHALL REMOVE ALL MAINTENANCE OF TRAFFIC ITEMS, BARRICADES, AND EROSION CONTROL ITEMS. THIS WORK CAN BE DONE WITH PUNCHLIST ITEMS AND NO DAYS WILL BE CHARGED FOR THIS ACCORDINGLY.



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	.E		
	WORK RESTRICTIONS / ADDITIONAL INFORMATION		
	BARRICADES ARE TO BE ADJUSTED AS DIRECTED BY THE ENGINEER WITH THIS WORK.		
			<
2	K ELEMENTS WITHIN EACH OPERATIONAL PHASE.		с
		-	



Know what's below. Call before you dig.

1 2 (1) COORDINATION:	3 4 5	THE AIRPORT OWNER RESERVES THE RIC
A. CONTRACTOR PROGRESS MEETINGS	A. TRASH: FOOD SCRAPS MUST BE COLLECTED FROM CONSTRUCTION PERSONNEL AND DISPOSED OF PROPERLY;	PROPERTY CAUSED BY UNAUTHORIZED UNAUTHORIZED UNAUTHORIZED UNAUTHORIZED UNAUTHORIZED UNAUTHORIZED VIEW APPLICABLE SECTIONS OF THE CONTRACT
<ol> <li>PREBID, AND PRECONSTRUCTION CONFERENCES SHALL BE CONDUCTED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN FAA ADVISORY CIRCULAR (AC) 150/5300-9 (CURRENT EDITION) AND AS SCHEDULED IN THE NOTICE TO CONTRACTORS, WHICH IS INCLUDED AS PART OF THE CONTRACT DOCUMENTS.</li> </ol>	B. STANDING WATER: CONSTRUCTION MUST BE PERFORMED TO PROVIDE ADEQUATE SURFACE DRAINAGE TO AVOID SIGNIFICANT POOLS OF STANDING WATER.	FOR PROTECTION AND RESTORATION OF
2. CONTRACTOR PROGRESS MEETINGS: THE CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) TO THE AIRPORT OPERATOR FOR APPROVAL PRIOR TO THE ISSUANCE OF THE NOTICE TO PROCEED. AS PART OF THE SPCD REQUIREMENTS, DAILY OR WEEKLY MEETINGS WITH REPRESENTATIVES OF AFFECTED PARTIES WILL BE HELD AS NECESSARY TO COORDINATE CONSTRUCTION ACTIVITIES OR ACTIVITIES OF OTHERS THAT IMPACT THE CSPP.	C. TALL GRASS AND SEEDS: REQUIREMENTS FOR TURF ESTABLISHMENT CAN BE AT ODDS WITH REQUIREMENTS FOR WILDLIFE CONTROL. GRASS SEED IS ATTRACTIVE TO BIRDS. LOWER QUALITY SEED MIXTURES CAN CONTAIN SEEDS OF PLANTS (SUCH AS CLOVER) THAT ATTRACT LARGER WILDLIFE. SEEDING SHOULD COMPLY WITH THE GUIDANCE IN ADVISORY CIRCULAR AC 150/5370-10H, CURRENT EDITION, STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS, ITEM T-901, SEEDING.	FOR CONTRACTOR'S RESPONSIBILITY FO
<ul> <li>B. SCOPE OR SCHEDULE CHANGES</li> <li>1. SHOULD ANY CHANGES TO THE SCOPE OF WORK OR CONSTRUCTION SCHEDULE REQUIRE MODIFICATIONS TO THE CSPP, THE FOLLOWING PROCEDURES SHALL BE FOLLOWED:</li> </ul>	D. POORLY MAINTAINED FENCING AND GATES: THE CONSTRUCTION ENTRANCE GATE SHOULD BE MANNED TO PREVENT UNAUTHORIZED ENTRY BY LARGE WILDLIFE.	ADDITIONAL INFORMATION WILL BE PROV REQUIRED TO PROVIDE FOR SAFE AND EI
a. AIRPORT MANAGER SHALL NOTIFY IMPACTED AIRPORT TENANTS ABOUT PROPOSED CSPP MODIFICATIONS;	E. DISRUPTION OF WILDLIFE HABITAT: THE CONTRACTOR SHOULD NOTIFY AIRPORT MANAGEMENT UPON SIGHTING ANY LOITERING WILDLIFE ON OR NEAR THE CONSTRUCTION AREA INCLUDING BIRD POPULATIONS AND LARGER WILDLIFE SUCH AS DEER AND COYOTES.	(14) RUNWAY AND TAXIWAY VISUAL AIDS
<ul> <li>b. OPON INPOTENCIMAINPORT MAINAGEN, THE ENGINEER SHALL NOTIFE THE PARADO ADOUT PROPOSED CSFP MODIFICATIONS AND THE POTENTIAL IMPACT TO AIRSPACE APPROVAL;</li> <li>c. ENGINEER SHALL PREPARE MODIFIED CONSTRUCTION AIRSPACE FORMS AS NECESSARY</li> <li>d. UPON FAA ADO APPROVAL OF CSPP MODIFICATIONS, AIRPORT MANAGEMENT SHALL CONTACT FAA ATO REGARDING MODIFICATION</li> </ul>	(7) FOREIGN OBJECT DEBRIS (OFD) MANAGEMENT	A. <u>GENERAL.</u> AIRPORT MARKINGS, I OR DECEPTIVE. ALL MUST BE SE CURRENTS AND CONSTRUCTED
<ul> <li>TO ANY CURRENT OR FUTURE NOTAMS;</li> <li>ENGINEERING SHALL INSTRUCT CONTRACTOR ON PROPOSED COURSE OF ACTION;</li> <li>CONTRACTOR TO SUBMIT ANY MODIFICATIONS OR CHANGES TO HIS/HER OPERATIONS FOR ENGINEER'S APPROVAL;</li> <li>ENGINEER TO INFORM SPONSOR OF ANY IMPACT TO THE PROJECT COST AND/OR CONSTRUCTION SCHEDULE DUE TO CSPP MODIFICATIONS</li> </ul>	A. SOIL, DEBRIS, AND OTHER LOOSE MATERIAL DROPPED OR BLOWN ONTO ACTIVE AIRPORT OPERATION PAVEMENTS SHALL BE SWEPT BY NON-STEEL BROOMS OR OTHERWISE PICKED UP AND REMOVED OR PLACED IN CLOSED CONTAINERS AS SOON AS THE DEBRIS IS NOTICED. AIRPORT MANAGEMENT WILL MAKE DAILY INSPECTIONS OF THE ACTIVE AIRPORT OPERATION PAVEMENTS AND THE CONTRACTOR SHALL PERFORM A SWEEP OF ACTIVE AIRPORT OPERATION PAVEMENTS UPON REQUEST BY AIRPORT MANAGEMENT.	B. <u>MARKINGS.</u> MARKINGS MUST BE MARKINGS. RUNWAY AND RUNW. VISUAL AID TO DEPICT TEMPORA NUMBERS.
<ul> <li>C. FAA ATO COORDINATION</li> <li>1. SHOULD ANY CHANGES TO THE SCOPE OF WORK OR CONSTRUCTION SCHEDULE REQUIRE MODIFICATIONS TO THE CSPP, COORDINATION WITH THE FAA ATO SHALL BE CONDUCTED PER SECTION 1.B.1.d OF THE CSPP.</li> </ul>	B. IF DRY CONDITIONS CREATE THE POTENTIAL FOR AIRBORNE DUST AND BLOWING DEBRIS TO SETTLE ON ACTIVE AIRPORT OPERATION PAVEMENTS DUE TO EARTH MOVING ACTIVITIES OR THE USE OF THE HAUL ROUTE, PRECAUTIONS TO MINIMIZE THE RISK THROUGH THE USE OF WATER TRUCKS SHALL BE TAKEN. IF THIS METHOD PROVES INEFFECTIVE, THE USE OF WIND BARRIERS OR CHEMICAL STABILIZERS WILL BE CONSIDERED, AT NO ADDITIONAL COST TO THE OWNER.	C. <u>TAXIWAY LIGHTING</u> . REMOVE TAX APPLICABLE DIVISIONS/ PHASES
(2) PHASING:	(8) HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT	(15) MARKINGS AND SIGNS FOR ACCESS I
(3) AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY:	A. CONTRACTORS OPERATING CONSTRUCTION EQUIPMENT AND VEHICLES ON THE AIRPORT MUST BE PREPARED TO EXPEDITIOUSLY CONTAIN AND CLEAN-UP SPILLS RESULTING FROM FUEL OR HYDRAULIC FLUID LEAKS. NO TRANSPORT OR HANDLING OF HAZARDOUS MATERIAL IS	PAVEMENT MARKINGS AND SIGNS FOR CO
SEE SAFETY PHASING PLANS.	ACTIVITY, SECURE THE AREA AS MUCH AS POSSIBLE, AND NOTIFY AIRPORT MANAGEMENT IMMEDIATELY. SPILLS OF SUBSTANCES DEFINED IN 327 IAC 2-6.1 SHALL BE REPORTED, CONTAINED AND ADDRESSED AS REQUIRED IN 327 IAC 2-6.1 (RULE 6.1 SPILLS; REPORTING; CONTAINMENT	AREAS USED BY AIRCRAFT MUST COMPL
A. THE FOLLOWING NAVAIDS ARE LOCATED NEAR OR WITHIN CONSTRUCTION LIMITS SHALL BE PROTECTED AS FOLLOWS:	(9) NOTIFICATION OF CONSTRUCTION ACTIVITIES	A. <u>MARKINGS.</u> NO TEMPORARY OR
1. FAA-OWNED RUNWAY END IDENTIFIER LIGHTS (REILS) AT RUNWAY 14 END AND AT RUNWAY 32 END ARE TO REMAIN OPERATIONAL DURING WEST QUAD WORK. CONTRACTOR SHALL NOT INTERFERE WITH REIL OPERATION, OBSTRUCT REIL LIGHT PLANE, OR ENTER ANY AOA.	THE CSPP DETAILS PROCEDURES FOR THE IMMEDIATE NOTIFICATION OF AIRPORT USERS AND THE FAA OF ANY CONDITION ADVERSELY AFFECTING THE	AND HAUL ROADS. CONTRACTOR SHALL CONSTRUCTION PLANS.
2. FAA-OWNED FAA AIRPORT SURVEILLANCE RADAR (ASR-8), LOCATED ALONG HUNT ROAD, IS TO REMAIN OPERATIONAL DURING ALL CONSTRUCTION ACTIVITY. CONTRACTOR SHALL NOT INTERFERE WITH AIRPORT SURVEILLANCE RADAR OPERATION, OR OBSTRUCT AIRPORT SURVEILLANCE RADAR OPERATIONAL AREAS. SHOULD CONTRACTOR NEED TO REQUEST AN AIRPORT SURVEILLANCE RADAR SHUTDOWN, OR ENTER AIRPORT SURVEILLANCE RADAR OPERATIONAL AREAS, CONTRACTOR SHALL PROVIDE THE ENGINEER, AIRPORT MANAGER, AND FAA NOTICE PER NOTIFICATION OF CONSTRUCTION ACTIVITY (SECTION 9(b)).	A. LIST OF RESPONSIBLE REPRESENTATIVES/POINT OF CONTACT:	(16) HAZARD MARKING, LIGHTING AND SIC CLOSED AIRFIELD PHASING AREAS, OPEN
(5) CONTRACTOR ACCESS A. LOCATION OF STOCKPILED CONSTRUCTION MATERIALS:	CRAIG MASCHINO       KARLEE ERICKSON       KELSEY VEATCH         TERRE HAUTE REGIONAL AIRPORT       TERRE HAUTE REGIONAL AIRPORT       TERRE HAUTE REGIONAL AIRPORT         EXECUTIVE DIRECTOR       DIRECTOR OF OPERATIONS       OPERATIONS MANAGER - AIRPORT         812-230-4728       989-390-8651       317-719-0275	URING CONSTRUCTION, LATEST EDITION CIRCULAR 150/5370-10H, LATEST EDITION
5. REFER TO THE SAFETY PHASING PLAN SHEET(S) OF THESE CONSTRUCTION PLANS.	JUSTIN BESSLER	SEE SAFETY PHASING PLANS FOR LOCAT
<ol> <li>THIS LOCATION IS OUTSIDE THE RUNWAY OBJECT FREE AREA (OFA) OF THE OPERATIONAL RUNWAYS. THE CONTRACTOR WILL VERIFY THAT MATERIALS ARE STABILIZED AND STORED SO AS NOT TO BE A HAZARD TO AIRCRAFT OPERATIONS AND TO PREVENT ATTRACTION OF WILDLIFE AND FOREIGN OBJECT DAMAGE.</li> </ol>	WOOLPERT PROJECT MANAGER 859-818-5114	(17) PROTECTION OF AREAS, ZONES, & SU
B. VEHICLE AND PEDESTRIAN OPERATIONS:	NOTAMS: ONLY THE AIRPORT OPERATOR MAY INITIATE OR CANCEL NOTAMS ON AIRPORT CONDITIONS, AND IS THE ONLY ENTITY THAT CAN CLOSE OR OPEN A TAXIWAY. THE AIRPORT OPERATOR MUST COORDINATE THE ISSUANCE, MAINTENANCE, AND CANCELLATION OF NOTAMS	NO PENETRATIONS OF THE RUNWAY SAF
TERRE HAUTE REGIONAL AIRPORT. VEHICLE AND PEDESTRIAN MOVEMENTS OF THE CONTRACTOR SHALL BE RESTRICTED AS FOLLOWS:	ABOUT AIRPORT CONDITIONS RESULTING FROM CONSTRUCTION ACTIVITIES WITH TENANTS AND THE LOCAL AIR TRAFFIC FACILITY.	NO CONSTRUCTION EQUIPMENT MAY BE
SHEET(S) OF THESE CONSTRUCTION PLANS.	FOR AIRPORT OPERATORS.	MATERIAL STOCKPILES MAY NOT BE LOC
THESE CONSTRUCTION PLANS.	FOR THE TERRE HAUTE REGIONAL AIRPORT, PERSONNEL AUTHORIZED TO ISSUE NOTAMS INCLUDE: EXECUTIVE DIRECTOR	(18) OTHER LIMITS ON CONSTRUCTION
PERMISSION FROM FAA ATCT. ALL CONSTRUCTION EQUIPMENT AND VEHICLES OPERATING ON THE AIRPORT ARE REQUIRED TO DISPLAY A CHECKERBOARD FLAG OR A ROTATING BEACON PROPERLY LOCATED ON THE EQUIPMENT PER FAA ADVISORY CIRCULAR AC 150/5210-5D, CURRENT EDITION, PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT.	B. EMERGENCY NOTIFICATION PROCEDURES:	EQUIPMENT USED FOR CONSTRUCTION O EQUIPMENT WILL NOT BE USED UNTIL A D ARE ANTICIPATED FOR THIS PROJECT. IF
2. ACCESS AND HAUL ROADS:	IF DANGEROUS CONDITIONS EXIST, NOTIFY THE EMERGENCY CONTACTS. LISTED IN SECTION (5).B.4.b OF THIS CSPP.	FROM THE AIRPORT MANAGER.
a. THE CONSTRUCTION HAUL ROUTE PROVIDES ACCESS TO THE CONSTRUCTION AREA FROM THE DESIGNATED CONSTRUCTION ENTRANCE AS SHOWN ON THE SAFETY PHASING PLAN SHEET(S) OF THESE CONSTRUCTION PLANS.	C. COORDINATION WITH AIRPORT RESCUE AND FIRE FIGHTING (ARFF):	
<ul> <li>MARKING AND LIGHTING OF VEHICLES:</li> <li>a. ALL CONSTRUCTION EQUIPMENT AND VEHICLES OPERATING ON THE AIRPORT ARE REQUIRED TO DISPLAY A CHECKERBOARD FLAG</li> </ul>	PROVIDERS, AND OTHER EMERGENCY SERVICES IF CONSTRUCTION REQUIRES:	
OR A ROTATING BEACON PROPERLY LOCATED ON THE EQUIPMENT PER FAA ADVISORY CIRCULAR AC 150/5210-5, CURRENT EDITION, PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT.	D. NOTIFICATION TO THE FAA:	
4. DESCRIPTION OF PROPER VEHICLE OPERATIONS:	DEFINED IN PART 77, MUST NOTIFY THE FAA AT HTTP://OEAAA.FAA.GOV. THIS INCLUDES CONSTRUCTION EQUIPMENT AND PROPOSED PARKING AREAS FOR EQUIPMENT AND VEHICLES. FAA FORM 7460-1, NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION CAN BE USED FOR THIS PURPOSE. FORM 7460-1 AND THE SAFETY PHASING PLAN WILL BE SUBMITTED TO THE FAA	
a. ALL CONSTRUCTION EQUIPMENT AND VEHICLES OPERATING ON THE AIRPORT SHALL UTILIZE THE HAUL ROUTE AND REMAIN WITHIN THE PRESCRIBED CONSTRUCTION PROJECT AREA. NO CONSTRUCTION EQUIPMENT AND VEHICLES SHALL DRIVE ACROSS OPERATIONALLY ACTIVE PAVEMENT. ALL CONSTRUCTION EQUIPMENT AND VEHICLES NOT IN OPERATION SHALL REMAIN WITHIN THE STAGING AREA.	CHICAGO ADO FOR CONSTRUCTION AIRSPACE APPROVAL.     NAVAIDS.	
b. LOST COMMUNICATIONS IN EQUIPMENT OR VEHICLES IS NOT ANTICIPATED TO REQUIRE ALTERNATE OR MODIFICATIONS TO PROPER CONTRACTOR OPERATIONS. EMERGENCY SITUATIONS SHALL BE COORDINATED WITH AIRPORT MANAGEMENT TO DETERMINE APPROPRIATE INSTRUCTIONS TO CONTRACTOR PERSONNEL. THE PRIMARY RESPONSE TO EMERGENCY CONDITIONS THAT COULD POTENTIALLY ENDANGER HUMAN LIFE SHOULD BE TO CONTACT 911. 911 DISPATCHES THE FOLLOWING AGENCIES:	EMERGENCIES: FOR EMERGENCY (SHORT NOTICE) NOTIFICATION ABOUT CONSTRUCTION IMPACTS TO NON-FEDERAL (AIRPORT OWNED) NAVAIDS AND FAA OWNED NAVAIDS, CONTACT 866-432-2622	
TERRE HAUTE REGIONAL POLICETERRE HAUTE FIRE DEPARTMENT STATION 8581 SOUTH AIRPORT STREET240 SOUTH FRUIT RIDGE AVENUETERRE HAUTE, INDIANA 47803TERRE HAUTE, INDIANA 47802	4-HOURS DAILY ON CONSECUTIVE DAYS, OF A NAVAID OWNED BY THE AIRPORT BUT MAINTAINED BY THE FAA, PROVIDE 45-DAY MINIMUM NOTICE TO FAA ATO/TECHNICAL OPERATIONS PRIOR TO FACILITY SHUT-DOWN.	
(812) 877-2252 (812)232-3181 c. IF AN EMERGENCY INCLUDES LEAKED FUEL OR OIL, REFER TO SECTION 8B OF THESE CONSTRUCTION SAFETY PHASING PLAN NOTES.	MINIMUM OF 45-DAYS PRIOR TO STARTING CONSTRUCTION THAT CAUSES IMPACTS TO NAVAIDS. IMPACTS FOR FAA OWNED EQUIPMENT COVERED BY A REIMBURSABLE AGREEMENT (RA) DO NOT HAVE TO BE REPORTED BY AIRPORT MANAGEMENT. COORDINATE WORK FOR NAVAID SHUT-DOWN WITH THE LOCAL FAA ATO/TECHNICAL OPERATIONS OFFICE, INCLUDING ANY NECESSARY REIMBURSABLE AGREEMENTS AND FLIGHT CHECKS. PROVIDE 7-DAYS NOTICE TO SCHEDULE THE ACTUAL SHUT-DOWN.	
5. REQUIRED ESCORTS, TRAINING REQUIREMENTS FOR VEHICLE DRIVERS, SITUATIONAL AWARENESS, AND TWO-WAY RADIO	(10) INSPECTION REQUIREMENTS	
a. ESCORTS ARE REQUIRED AT CRITICAL CROSSINGS BETWEEN CONSTRUCTION TRAFFIC AND AIR TRAFFIC. ESCORTS WILL BE PROVIDED BY OWNER/ENGINEER. NO CONSTRUCTION EQUIPMENT AND VEHICLES SHALL DRIVE ACROSS OR ON OPERATIONALLY	DAILY INSPECTIONS. INSPECTIONS SHOULD BE CONDUCTED AT LEAST DAILY, BUT MORE FREQUENTLY IF NECESSARY TO ENSURE CONFORMANCE WITH THE CSPP.	
<ul> <li>b. NO TRAINING REQUIREMENTS ARE NECESSARY FOR EQUIPMENT AND VEHICLES OPERATING WITHIN THE DESIGNATED PROJECT AREA HAUL ROUTES, STOCKPUE AREA, OR STAGING AREA</li> </ul>	THE PROPOSED CONSTRUCTION WILL HAVE A RESIDENT ENGINEER ON SITE TO PROVIDE DAILY INSPECTION OF ALL ASPECTS OF CONSTRUCTION INCLUDING CONFORMANCE WITH THE CSPP.	
c. EQUIPMENT AND VEHICLE OPERATORS MUST CONFIRM BY PERSONAL OBSERVATION THAT NO AIRCRAFT IS APPROACHING THEIR	(11) UNDERGROUND UTILITIES	
d. THE CONTRACTOR SHALL ASSIGN AT LEAST ONE (1) PERSON (WITHIN EACH WORK CREW) A CONTRACTOR-PROVIDED TWO-WAY	APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES WERE DETERMINED DURING DESIGN FROM EXISTING AS-BUILT INFORMATION AND TOPOGRAPHICAL SURVEY DATA. CONTRACTOR IS REQUIRED TO VERIFY LOCATIONS OF THE UTILITIES PRIOR TO STARTING CONSTRUCTION.	
AIRCRAFT OPERATIONS DURING CONSTRUCTION PHASES THAT REQUIRE DAY TIME ONLY CLOSURES FOR UNINFORMED	OWNERS AND CONTACT INFORMATION OF KNOWN UTILITY SERVICES ON OR NEAR THE AIRPORT ARE SHOWN IN THE CONSTRUCTION PLANS AS WELL AS	
<ul> <li>APPROACHING AIRCRAFT;</li> <li>AIRCRAFT OPERATIONS REQUIRING 15-MINUTE PRIOR PERMISSION OPERATIONS DURING THE APPROPRIATE CONSTRUCTION PHASES.</li> </ul>	THE CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING REQUIREMENTS REGARDING LOCAL AND FAA OWNED UTILITIES IN ACCORDANCE TO THE APPLICABLE SECTIONS OF THE CONTRACT DOCUMENT GENERAL PROVISIONS:	
6. MAINTENANCE OF AIRPORT SECURITY:	FOR RESTORATION OF SURFACES DISTURBED BY OTHERS, PLEASE SEE GENERAL PROVISIONS 70-04	
a. THE TERRE HAUTE REGIONAL AIRPORT IS SECURED BY A PERIMETER SECURITY FENCE ALONG AREAS OF PUBLIC ENTRY. THE SECURITY FENCE RUNS THE ENTIRE AIRPORT PERIMETER.	• FOR CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE AND FACILITY OF OTHERS, PLEASE SEE GENERAL PROVISION 70-15	
b. THE DESIGNATED CONSTRUCTION ENTRANCES ARE LOCATED AS SHOWN ON THE SAFETY PHASING PLAN AND SHALL BE SECURED BY LOCKED GATES (INSTALLED BY CONTRACTOR). WHENEVER THE CONSTRUCTION GATE IS NOT LOCKED, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING GATE GUARDS AT THE CONSTRUCTION GATE. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY TO SECURE THE AIRPORT AFTER-HOURS AND AIRPORT MANAGEMENT RETAINS THE RIGHT TO SEEK REIMBURSEMENT FOR DAMAGES CAUSED OF PROMOTED BY FAILURE OF THE CONTRACTOR TO SECURE THE AIRPORT AFTER HOURS	FOR FAA FACILITIES AND CABLE RUNS, PLEASE SEE GENERAL PROVISIONS 70-15.1  (12) PENALTIES	
(6) WILDLIFE MANAGEMENT	PENALTIES MAY BE ISSUED TO CONTRACTORS FOR NONCOMPLIANCE WITH AIRPORT RULES, AIRPORT REGULATIONS, AND RESPONSIBILITIES INCLUDED IN THE CSPP (FOR EXAMPLE, IF A CONSTRUCTION VEHICLE IS INVOLVED IN A RUNWAY INCURSION) OR FOR ANY FINES LEVIED AGAINST THE AIRPORT	
CONTRACTORS MUST CAREFULLY CONTROL AND CONTINUOUSLY REMOVE WASTE OR LOOSE MATERIAL THAT MIGHT ATTRACT WILDLIFE. CONTRACTOR PERSONNEL MUST BE AWARE OF AND AVOID CONSTRUCTION ACTIVITIES THAT CAN CREATE WILDLIFE HAZARDS ON AIRPORTS SUCH AS:	THAT ARE RESULT OF THE CONTRACTOR S ACTIVITIES. POSSIBLE PENALTIES INCLUDE THE REMOVAL FROM PROJECT.	

HE RIGHT TO SEEK DAMAGES OR RETAIN PAYMENT FROM THE CONTRACTOR(S) FOR ANY DAMAGE TO AIRPORT IZED USE OF AIRPORT OPERATIONAL AREAS (AOA) OR FOR COSTS ASSOCIATED WITH CONTRACTOR JLES, AIRPORT REGULATIONS, AND RESPONSIBILITIES INCLUDED IN THE CSPP IN ACCORDANCE WITH THE NTRACT DOCUMENT GENERAL PROVISIONS:

ION OF PROPERTY AND LANDSCAPE, PLEASE SEE GENERAL PROVISIONS 70-10.

ITY FOR DAMAGE CLAIMS, PLEASE SEE GENERAL PROVISIONS 70-11.

E PROVIDED TO THE CONTRACTOR DURING CONSTRUCTION ACTIVITIES IF ANY UNKNOWN SPECIAL CONDITIONS ARE AND EFFICIENT AERONAUTICAL ACTIVITIES AT THE TERRE HAUTE REGIONAL AIRPORT DURING CONSTRUCTION.

INGS, LIGHTING, SIGNS, AND VISUAL NAVAIDS MUST BE CLEARLY VISIBLE TO PILOTS, NOT MISLEADING, CONFUSING, BE SECURED IN PLACE TO PREVENT MOVEMENT BY PROP WASH, JET BLAST, WING VORTICES, OR OTHER WIND CTED OF MATERIALS THAT MINIMIZE DAMAGE TO AN AIRCRAFT IN THE EVENT OF INADVERTENT CONTACT.

ST BE IN COMPLIANCE WITH THE STANDARDS OF ADVISORY CIRCULAR AC 150/5340-1M, STANDARDS FOR AIRPORT RUNWAY EXIT TAXIWAYS CLOSED TO AIRCRAFT OPERATIONS ARE MARKED WITH A YELLOW -X-. THE PREFERRED IPORARY RUNWAY CLOSURE IS THE LIGHTING IX SIGNAL PLACED ON OR NEAR THE RUNWAY DESIGNATION

VE TAXIWAY F3 EDGE REFLECTORS AND PROTECT TAXIWAY EDGE LIGHTING IN THE IMPACTED AREA DURING ASES. REFER TO PHASING PLAN SHEETS.

### CESS ROUTES

FOR CONSTRUCTION WILL CONFORM TO AC 150/5340-18 AND, TO THE EXTENT PRACTICABLE, WITH THE FEDERAL L ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND/OR STATE HIGHWAY SPECIFICATIONS. SIGNS ADJACENT TO OMPLY WITH THE FRANGIBILITY REQUIREMENTS OF AC 150/220-23, FRANGIBLE CONNECTIONS.

OR PERMANENT ROADWAY MARKINGS WILL BE USED.

R SHALL BE RESPONSIBLE TO CLEARLY IDENTIFY THE LOCATION OF CONSTRUCTION ENTRANCES, STAGING AREAS RACTOR SHALL INSTALL REQUIRED SIGNAGE AS SHOWN THE CONSTRUCTION SAFETY PLANS INCLUDED WITH THESE

### ND SIGNING

OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORT EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" ON THE TAXIWAYS AND COMPLY WITH ADVISORY DITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.

LOCATIONS OF TAXIWAY CLOSURES AND LOW PROFILE BARRICADES.

SPECTED ONCE PER DAY DURING PROJECT AND PERSON ON CALL SHALL MAINTAIN.

### S, & SURFACES

SAFETY AREA OR OBSTACLE FREE ZONE ARE PERMITTED WHILE RUNWAY 14-32 OR RUNWAY 5-23 IS OPERATIONAL.

Y BE STORED OVERNIGHT IN THE RUNWAY OBJECT FREE AREA (ROFA) OR TAXIWAY OBJECT FREE AREA (TOFA).

E LOCATED WITHIN THE ROFA OR TOFA.

TION ON THIS PROJECT MAY VARY IN HEIGHT. THE APPROPRIATE 7460-1 FORMS WILL BE SUBMITTED AND THAT TIL A DETERMINATION LETTER HAS BEEN ISSUED FOR THEIR USE. NO OPEN FLAME TORCHES OR BLASTING CAPS CT. IF OPEN FLAME TORCHES OR BLASTING EQUIPMENT IS REQUIRED, THE CONTRACTOR SHALL RECEIVE APPROVAL



CHECKED BY: JB/CJS/JAB SHEET NAME: CONSTRUCTION SAFETY PHASING PLAN NOTES

**C-010** 

SHEET NO:



ab /ed







M M M ιöż





ab /ed



	CUT	FILL
TOPSOIL STRIPPING (4")	1,287 CY	
QUALITY CUT/FILL	2,107 CY	
ON-SITE STOCKPILE (TOTAL FILL MINUS QUALITY CUT)		2,830 CY
TOTAL	3,394 CY	2,830 CY

☆	EXISTING TAXIWAY REFLECTOR		EXISTING BUILDING
ф _			EXISTING FENCE LIN
			EXISTING PAVEMEN
	EXISTING CABLE/DUCT MARKER	— — — — — — UE —	EXISTING ELECTRIC
		— — — — — — UT —	EXISTING TELEPHON
	EXISTING SIGN	G	EXISTING GAS LINE
]	EXISTING GUIDANCE SIGN	— — — — — WTR—	EXISTING WATER LIN
2	EXISTING FIRE HYDRANT	SDSD	
$\otimes$	EXISTING WATER VALVE	575	EXISTING CONTOUR







1

# **PLAN VIEW** TAXILANE G3, LINE: "TAXILANE"

------ TLOFA ------ PROPOSED TAXILANE OBJECT FREE AREA

PROPOSED SLOTTED DRAIN



# NOTES

1. SEE SHEET CG501 FOR PROPOSED PIPE SLOPES, PIPE INVERTS AND STORM STRUCTURE TYPES.





out Tab Nar Saved By:

<i>.</i>	21 00	
60"	33"-36"	TURNS UP TO 45°
8"	12"-21"	GREATER THAN 45° TO 90°
8"	12"-21"	TURNS UP TO 45°
8"	24"	TURNS UP TO 45°
	•	·

	STRU	JCTURE	E TABL	.E		
STRUCTURE ID	DESCRIPTION	N GRATE		TS NORTHING	EASTIN	
1511EX	EX INLET	571.74	568.25 (	(S) 1531886.5450	2888098.79	
1513EX	EX INLET	572.12	567.95 ( 568.00 ( 568.00 (	W) (N) 1531616.6380 (E)	2888096.43	
2001	SLOTTED DRAIN BEGIN		569.84 (	(S) 1532017.1835	2888020.44	
2002	SLOTTED DRAIN EN	ID	569.06 ( 569.06 (	(N) (S) 1531628.4326	2888019.78	
2003	D-705 TYPE C MANHOLE	571.27	568.91 ( 567.91 ( 567.91 (	(N) (E) 1531618.8505 W)	2888019.84	
2004	D-705 TYPE B INLE	T 571.80	568.16 (N) 568.16 (S) 568.08 (N) 568.08 (S)	(N) (S) 1531788.3336	2888097.937 2888097.188	
2005	D-705 TYPE B INLE	T 571.80		(N) (S) 1531702.4858		
2006	BULK HEAD		569.46 ( 569.46 (	(N) (S) 1531828.4337	2888020.12	
BETWEEN	PIPE/SLO STRUCTURES	TTED C	SLOPE	TABLE DESCRIPTI	ON	
100	)3-1512EX	97 LF	0.05%	EX 24"X36" EL	P	
151	1511EX-2004		0.09%	EX 18"X30" EL	_P	
1513	EX-1510EX	184 LF	0.10% EX 18"X30 0.05% EX 24"X36		_P	
151	3EX-1003	77 LF			_P	
20	001-2006	189 LF	0.20%	12" RCP FOR SLOTTE	ED DRAIN	
	10 LF	1.57%	12" RCP			
20	04 2005	96 I E	0.00%	EV 10"V20" FI	Ъ	
20	004-2005	86 LF	0.09%	EX 18"X30" EL	P	

![](_page_17_Figure_13.jpeg)

![](_page_18_Figure_0.jpeg)

Layout Tab Name: CU201 SANITARY SEWER PLAN AND PROFILE Last Saved By:Firrie, 10/17/2024 5:43:41 AM G:\DE\Clients\Terre Haute International Airport IN\1009658\_HUF\_AIP-TBD\_ West Quad\_Ph 2\Cadd\Cd\Phase 2\Division A\1009658-SAN DIV A.dwg Plott

			Z
SA	NITARY NOTES		DEFLECTION AND LE
	ALL SANITARY SEWER PIPE IS TO BE SDR 35 PVC		A DEFLECTION AND LEAK TEST SHALL F
	ASSURE WATER TIGHTNESS PRIOR TO BACKFILL	IALL DE PRESSURE IESTED TO NG.	
-	SEWERS SHALL BE LAID AT LEAST TEN (10) FEET,	HORIZONTALLY, FORM ANY	LAPSE OF 30 DAYS AFTER PLACEMENT DEFLECTION OF 5% OR GREATER. THE
	A. CROSSING OF BURIED SEWERS AND WAT	ER LINES SHALL BE AVOIDED AS	FOR A DEFLECTION TEST SHALL BE NO THE PIPE TO BE TESTED DEPENDENT O
	EIGHTEEN (18) INCHES VERTICAL CLEARANCE SH	ARE NECESSARY, A MINIMUM OF ALL BE MAINTAINED (MEASURED	STANDARD. THE TEST SHALL NOT BE PE PULLING DEVICE.
	PREFERABLY WITH THE WATER MAIN ABOVE THE	SEWER.	ALL GRAVITY SEWERS SHALL BE TESTIN
	B. WHEN IT IS IMPOSSIBLE TO MAINTAIN PRO SEPARATION, THE SEWER SHALL BE CONSTRUCT DUCTILE IRON PIPE WITH MECHANICAL JOINTS OF	ED OF WATERWORKS GRADE	A HYDROSTATIC TEST SHALL BE PERFO
	PIPE IN ACCORDANCE WITH ASTM D3034 WITH CC BE PRESSURE TESTED TO ASSURE WATER TIGHT	MPRESSION FITTINGS AND SHALL NESS PRIOR TO BACKFILLING.	PER INCH OF PIPE DIAMETER LINEAR M
	ALL STUBS AND INDIVIDUAL LINES SHALL BE 6" PI	PE UNLESS OTHERWISE NOTED.	AIR TEST SHALL CONFORM TO ASTM F1
ŀ.	CONTRACTOR IS TO PROVIDE A MEANS OF ACCES BUSINESS DURING CONSTRUCTION.	SSES TO ALL RESIDENCES AND	VACUUM TESTING:
	CONTRACTOR IS TO PROVIDE ADEQUATE EROSIC CONSTRUCTION. ANY DISTURBED AREAS ARE TO FINISHED GRADING.	ON CONTROL DURING BE RESEEDED WITHIN 7 DAYS OF	ALL SANITARY MANHOLES SHALL BE TE PIPES ENTERING THE MANHOLE SHALL AN THE SEAL INFLATED PER MANUFACT OF TEN INCHES OF MERCURY SHALL BE
	IT IS THE CONTRACTORS RESPONSIBILITY FOR CAREQUIREMENTS OF SECTION 15, 1990 OSHA EXCA SUBPART P.	OMPLIANCE WITH THE AVATION STANDARDS, 29 CFR 1926	WITH THE VALVES CLOSED, THE TIME S NINE INCHES. THE FOLLOWING ARE MIN ACCEPTANCE AT THE SPECIFIED VACUU FOR 48" DIA. MANHOLES):
	CONTRACTOR TO USE HEAVY DUTY NEENAH R-17 HOLES FOR REMOVAL (OR EQUAL). MANHOLE LID "SANITARY SEWER" INSCRIPTION.	72-C MANHOLE FRAME WITH PICK SHALL BE A SOLID LID WITH	DEPTH TIME (SECONDS) 4 10 8 20
	WHERE MANHOLES OCCUR IN FLOODPLAIN OR D AND LIDS. LOCATION AS SHOWN ON THE PLANS.	ITCH, USE WATERTIGHT CASTING	12 30 16 40
	WATERTIGHT MANHOLE CASTINGS SHALL BE FUR GASKET, CONCEALED WATERTIGHT PICKHOLES,	RNISHED WITH A ROUND RUBBER AND BRONZE CAP SCREW.	20 50 24 59
0.	FOR MANHOLE IN PRESENT STREETS, COVERS S	HALL MATCH EXISTING GRADE.	
1.	ALL SLOPES TO FINISHED WITHIN 1" TO TOP OF C	ASTING.	
2.	ALL JOINTS TO BE WATERTIGHT "O" RING TYPE PI	ER ASTM C443, LATEST EDITION.	A MINIMUM 4"DIA. PIPE CLEANOUT SHALL BE
3.	ALL PRECAST CONES AND BARRELS TO BE REINF	ORCED PER ASTM C487, LATEST	INSTALLED WITHIN THREE (3) FEET OF OUTSIDE BUILDING WALL. A PLUG SPECIFIED BY THE PIPE
4.	MANHOLE STEPS TO BE STANDARD PLASTIC WITH	H STEEL REINFORCING.	MANUFACTURER SHALL BE USED TO ENSURE 100% WATERTIGHTNESS.
5.	DROP MANHOLES SHALL BE PROVIDED FOR ANY AN ELEVATION OF 24" OR MORE ABOVE MANHOLE THE SAME MATERIAL AS THE SEWER MAIN.	SEWER ENTERING A MANHOLE AT E INVERT; DROP PIPES TO BE OF	
3.	ALL WYES AND LATERAL SERVICE RUNS SHALL B RESILIENT JOINT MATERIAL MATCHING THAT OF 1	E PLUGGED WITH PLUGS HAVING THE PIPE JOINTS.	
7.	ROOF DRAINS, FOUNDATION DRAINS, OR ANY OT TO THE SANITY SEWER ARE PROHIBITED.	HER CLEAN WATER CONNECTIONS	
8.	INSPECTION: PERIODIC OBSERVATION OF WORK BY THE TERRE HAUTE ENGINEERING DEPARTMEN SANITY SEWER UTILITY SHALL BE NOTIFIED BY TH STARTING WORK AND PRIOR TO RESTARTING WO	IN PROGRESS MAY BE PROVIDED NT OR THEIR DESIGNEE. THE HE CONTRACTOR PRIOR TO HIS ORK AFTER DELAYS OR	
9.	ALL CONSTRUCTION SHALL BE IN ACCORDANCE AND IN ACCORDANCE WITH ANY APPLICABLE FEE AND LAWS.	WITH PLANS AND SPECIFICATIONS DERAL, STATE, AND LOCAL CODES	
20.	THE FOLLOWING MANHOLES TESTS SHALL BE CO WITNESSED BY A REPRESENTATIVE FROM THE T	NDUCTED BY THE CONTRACTOR, ERRE HAUTE DEPARTMENT OF	BUILDING
	A. AIR PRESSURE TEST		
	<ul><li>B. MANDREL ALIGNMENT TESTS</li><li>C. FORCE MAIN PIPE HYDROSTATIC TEST</li></ul>		
	D. LIGHT TEST		
	E. MANHOLE VACUUM TEST COST FOR THESE TEST SHALL BE CONSIDERED II	NCIDENTAL CONSTRUCTION OF	
	THE SANITARY PIPES AND MANHOLES AND SHALL OF ASSOCIATED ITEMS.	BE INCLUDED IN THE UNIT PRICE	
21.	THE FOLLOWING TESTS SHALL BE CONDUCTED B TERRE HAUTE ENGINEERING DEPARTMENT:	Y A REPRESENTATIVE OF THE	
	<ul><li>A. VISUAL MANHOLE INSPECTION</li><li>B. VIDEO CAMERA INSPECTION</li></ul>		
	C. ANY OTHER QUALITY CONTROL INSPECTION	ON DURING OR AFTER	
22.	CONSTRUCTION CONTRACTOR SHALL INCLUDE ALL LABOR, MATE ASSOCIATED WITH PROVIDING A SANITARY SEWE BY THE TERRE HAUTE ENGINEERING DEPARTMENT TO, PIPE RUNS, BENDS, CONNECTIONS, EXCAVAT	RIALS, TESTING, AND ALL COSTS ER MAIN AS DEEMED ACCEPTABLE NT, INCLUDING, BUT NOT LIMITED TON, AND BACKFILL.	NOTE: WHEN LATERAL SEPARATION IS 10' OR GREATER NO VERTICAL CLEARANCE IS NEEDED.
			10' (MIN.)
			SANITARY OR 2' STORM SEWER
			O.D. + 1'-0" MIN. (TYP.)
			UT-02 MINIMUM C
			<u>REQUIREMEN</u> SANITARY SEV

![](_page_19_Figure_2.jpeg)

![](_page_20_Figure_1.jpeg)

SIZE	TEE 8 PLUG	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4"	2.0	2.5	1.5	1.0	1.0
6"	4.0	5.5	3.0	1.5	1.0
8"	6.5	9.0	5.0	2.5	1.5
10"	10.0	14.0	7.5	4.0	2.0
12"	14.0	20.0	11.0	5.5	3.0
14"	19.0	27.0	14.0	7.5	4.0
16"	25.0	35.0	19.0	10.0	5.0
18"	31.5	44.5	24.0	12.5	6.5
20"	38.0	54.5	29.5	15.0	7.5
24"	55.5	78.5	42.5	22.0	11.0
30"	86.5	122.0	66.0	34.0	17.0
36"	124.0	175.5	95.0	48.0	24.5
42"	168.0	237.0	128.5	65.5	33.0

# TYPICAL THRUST BLOCKING DETAILS

![](_page_20_Figure_4.jpeg)

NOT TO SCALE

![](_page_20_Figure_6.jpeg)

![](_page_21_Figure_0.jpeg)

1	2	
	EROSION CONTROL SCHED	ULE
EROSION CONTROL MEASURE	INSTALLATION SEQUENCE	
STONE ENTRANCE	INSPECT WEEKLY, AFTER STORM EVENTS, AND AFTER HEAVY USE; RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL; TOP DRESS WITH CLEAN STONE AS NEEDED; REMOVE ALL MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS IMMEDIATELY	PRIOR TO ANY COMMENCEMENT OF WORK
CONCRETE WASHOUT	INSPECT DAILY, AFTER STORM EVENTS, AND AFTER HEAVY USE; REPAIR ANY AREAS OF PERFORATION, LEAKS, SPILLS, ETC. REMOVAL ALL HARDENED MIX AND MAINTAINS CAPACITY.	PRIOR TO ANY COMMENCEMENT OF WORK INVOLVING THE PLACEMENT OF CONCRETE
SILT FENCE	INSPECT AFTER STORM EVENTS; REPAIR ANY AREAS OF DECOMPOSITION OR DAMAGE TO FENCE MATERIAL; REMOVE SEDIMENT AT DEPTH OF ONE HALF FENCE HEIGHT AT LOWEST POINT OR IF FABRIC BULGES; AVOID UNDERMINING DURING CLEANOUT	PRIOR TO ANY GRADING ACTIVITY AND IMMEDIATELY FOLLOWING ANY PLACEMENT OF EMBANKMENTS AS SHOWN ON THE PLANS
EXISTING INLET PROTECTION	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED	PRIOR TO ANY GRADING ACTIVITY AND IMMEDIATELY FOLLOWING ANY PLACEMENT OF EMBANKMENTS AS SHOWN ON THE PLANS
PROPOSED INLET PROTECTION	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED	IMMEDIATELY FOLLOWING THE INSTALLATION OF THE DRAINAGE INLET/MANHOLE AND BACKFILLING
TEMPORARY SEEDING	INSPECT PERIODICALLY TO VERIFY ADEQUATE ESTABLISHMENT OF VEGETATIVE STANDS; RESEED AND MULCH AS NEEDED; INSPECT AFTER STORM EVENTS AND REPAIR EROSION DAMAGE; TOP DRESS FALL SEEDED WHEAT OR RYE SEEDINGS WITH 50 LBS/AC OF NITROGEN IN FEBRUARY OR MARCH IF NITROGEN DEFICIENCY IS APPARENT; WATER AS NEEDED	AFTER ROUGH GRADING
PERMANENT SEEDING	INSPECT PERIODICALLY AND AFTER STORM EVENTS UNTIL VEGETATIVE STAND IS ESTABLISHED; ADD FERTILIZER AFTER GROWING SEASON PER SOIL TEST RECOMMENDATIONS; REPAIR DAMAGED, BARE, OR SPARSE AREAS BY FILLING, REPREPARING THE SEED BED, FERTILIZING, AND/OR SEEDING AND MULCHING	AFTER FINISH GRADING OF EACH AREA
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF CONCRETE WASHOUT	N/A	AFTER COMPLETION OF ALL WORK INVOLVED THE PLACEMENT OF CONCRETE

![](_page_22_Figure_1.jpeg)

![](_page_22_Figure_2.jpeg)

**BOX) DETAIL** NOT TO SCALE

![](_page_22_Figure_4.jpeg)

\_BLACK LETTERS 6" HEIGHT

-WOOD POST

3.5"X3.5"X8'

WITH TWO STAKES

10' MIN.

<u>PLAN</u>

NOT TO SCALE

TWO-STACKED 2X12 ROUGH

WOOD FRAME

∽ STAKE

(TYP)

![](_page_22_Figure_5.jpeg)

SLOPE CHECK -SILT FENCE

![](_page_22_Figure_7.jpeg)

10 mil PLASTIC LINING SECURED TO FRAME

10' MIN.

2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

3. MINIMUM OF 10 MILLIMETER POLYETHYLENE SHEETING THAT IS FREE OF HOLES, TEARS, AND OTHER DEFECTS. THE SHEETING SELECTED SHOULD BE OF AN APPROPRIATE SIZE TO FIT THE WASHOUT SYSTEM WITHOUT SEAMS OR OVERLAP OF THE LINING.

4. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.

5. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

6. MUST BE LOCATED >50 FT AWAY FROM INLETS/WATERWAYS UNLESS THERE IS NO OTHER PRACTICAL ALTERNATIVE.

7. COST TO CONSTRUCT AND MAINTAIN CONCRETE WASHOUT IS TO BE INCLUDED IN C-105 MOBILIZATION.

# **CONCRETE WASHOUT DETAIL**

NOT TO SCALE

— 2"x2" POST (TYP.) -NON-WOVEN FILTER FABRIC ATTACHED TO ALL SIDES 2"x2" INTERIOR REINFORCEMENT

PLYWOOD

CONCRE

WASHOUT

CONCRETE WASHOUT

SIGN DETAIL

48"X24" PAINTED WHITE-

LAG SCREWS

NOTES:

2"x2" INTERIOR - REINFORCEMENT

NON-WOVEN FILTER FABRIC ATTACHED TO ALL SIDES - INLET

36" MAX

- 2"x2" POST (TYP.)

SIDE VIEW SHOWING INLET (CONSTRUCTION SAME AS ABOVE)

![](_page_22_Picture_27.jpeg)

**INLET PROTECTOR (END SECTION) DETAIL** NOT TO SCALE

![](_page_22_Figure_29.jpeg)

![](_page_22_Figure_30.jpeg)

1	2	3		4	5	
EROSION CONTROL NOTES						GENERAL EROSION CONTROL NOTE
A1 PLAN INDEX ITEMS RELATING TO THE SWPPP ARE INCLUDED ON THE EROSION CONTROL DETAIL PLAN.	B10	THE LOCATION, DIMENSIONS, SPECIFICATIONS AND DETAILS OF THE PROPOSED EROSION CONTROL MEASURES ARE PROVIDED ON THE EROSION CONTROL SHEET.	D.	IF THE USE OF LIME IS USED TO STABILIZE THE SOIL OF THE SITE THEN ALL CONSTRUCTION EQUIPMENT USED SHALL BE CLEANED OF ALL EXCESS MATERIAL WITH WATER IN THE CONSTRUCTION STAGING AREA AS SHOWN WITHIN THESE		. CONTRACTOR SHALL DEVELOP A MUD CONTROL F MUST BE MUD FREE BEFORE LEAVING THE FENCE COMMENCING EARTHWORK ACTIVITIES.
<ul><li>AN 11x17 PLAT IS NOT INCLUDED WITH THIS SUBMITTAL.</li><li>A3 THIS PROJECT INVOLVES THE CONSTRUCTION OF A NEW 3 TO 6 UNIT HANGAR</li></ul>	B11 B12	SEE SEEDING SCHEDULE SEE EROSION CONTROL INSTALLATION AND SEEDING SCHEDULE DETAILS.	E.	PLANS. NUTRIENTS AND FERTILIZERS SHALL ONLY BE USED TO ESTABLISH RAPID	2	CONTRACTOR SHALL DEVELOP A DUST CONTROL ENTIRE SITE IS STABILIZED. AIRPORT ENTRANCE I
BUILDING WITH ASSOCIATED TAXILANE.A4THE VICINITY MAP IS LOCATED ON THE COVER SHEET.	B13	MATERIAL HANDLING AND SPILL PREVENTION PLAN: IN ORDER TO MINIMIZE THE RELEASE OF POTENTIAL POLLUTANTS DURING		VEGETATION. WHEN THESE PRODUCTS ARE UTILIZED, THE USER SHOULD PAY STRICT ATTENTION TO THE PRODUCTS RECOMMENDED USAGE.	;	<ul> <li>CONTRACTOR TO PROVIDE THE COUNTY SOIL AN</li> </ul>
A5 A LEGAL DESCRIPTION CAN BE FOUND ON THE SURVEY CONTROL SHEET. WORK AREA 1: LATITUDE 39°27'13 21" N. LONGITUDE 87°18'44 41" W		CONSTRUCTION THE CONTRACTOR SHALL IMPLEMENT THIS MATERIAL HANDLING AND SPILL PREVENTION PLAN. THE CONTRACTOR SHALL REVIEW THIS PLAN WITH ALL SUBCONTRACTORS AND REQUIRE THAT THEY IMPLEMENT THE PLAN AS WELL	3. A	PAINT PRODUCTS		4. CONSTRUCTION IS ANTICIPATED TO BEGIN IN THE
A6 PROPERTY BOUNDARIES ARE SHOWN ON THE SURVEY CONTROL PLAN.		IF A SPILL SHOULD OCCUR PLEASE CONTACT THE APPROPRIATE AUTHORITIES BELOW:	Α.	MANNER BY WHICH THE MANUFACTURER SUGGESTS. UNDER NO CIRCUMSTANCES SHALL PAINT OR THEIR RELATED PRODUCTS BE CLEANED OR DISPOSED OF IN SOIL,	1	IMPLEMENTATION MANAGER SHALL BE PROVIDED
A7 HYDROLOGIC UNIT CODES: WORK AREA #1: 05120111060060		EMERGENCY RESPONSE		SANITARY SEWERS, STORM SEWERS OR DETENTION BASINS. ANY VIOLATIONS OF THIS SHALL BE REPORTED TO THE JOB SUPERINTENDENT.		3. ANY EXISTING EROSION CONTROL FENCES DISTU
A8 THERE ARE NO STATE AND FEDERAL WATER QUALITY PERMITS REQUIRED FOR THIS SITE.	IS	TERRE HAUTE FIRE DEPARTMENT (812)244-2803		IN THE EVENT OF ACCIDENTAL CONTAMINATION, ALL EFFORTS SHOULD BE MADE TO REMOVE CONTAMINANTS IN AN APPROPRIATE MANNER. THE TERRE HAUTE FIRE	7	. IN THE EVENT THAT TEMPORARY EROSION CONTE
A9 EXISTING STORMWATER LEAVES THE SITE VIA SHEET FLOW TO EXISTING SWALES THAT ROUTE THE DRAINAGE TO EXISTING LOCATIONS AROUND THE AIRPORT PROPERTY. EXISTING PIPES DO CONVEY SOME STORMWATER RUNOFF AND		TERRE HAUTE POLICE DEPARTMENT(812)238-1661INDIANA DEPARTMENT OF NATURAL RESOURCES(317)232-4200		DEPARTMENT (812-244-2803) SHOULD BE CONTACTED IMMEDIATELY TO DETERMINE IF FURTHER MEASURES ARE NEEDED.	ł	PERFORMED BY THE CONTRACTOR AT HIS/HER ON B. PUBLIC OR PRIVATE ROADWAYS SHALL BE KEPT (
DISCHARGES OFF OF AIRPORT PROPERTY TO THE ULTIMATE RECEIVING WATER WHICH IS THE SOUTH FORK OF LOST CREEK. STORMWATER DISCHARGE WILL NOT ENTER THE GROUNDWATER FOR THIS PROJECT		INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (317)232-8603	COI 1.	NSTRUCTION SEQUENCE SUBMIT NOTICE OF INTENT (NOI) LETTER TO IDEM A MINIMUM OF 48 HOURS PRIOR		LOCATION.
A10 THERE ARE NO KNOWN WETLANDS WITHIN THE CONSTRUCTION LIMITS.	<b>P</b> 1/	VIGO COUNTY SOIL AND WATER (812)232-0193 EXT 3		NEWSPAPER OF GENERAL CIRCULATION IN THE PROJECT SITE AREA WILL BE INCLUDED WITH THE NOI LETTER SUBMITTAL.	9	<ul> <li>THIS EROSION CONTROL PLAN SHALL BE IMPLEME EROSION CONTROL PRACTICES SHALL BE INSTAL FOLLOWING THE PLANS AND SPECIFICATIONS INC</li> </ul>
<ul> <li>SEE A9.</li> <li>THERE IS NO EVIDENCE OF ANY EXISTING STRUCTURES ON THIS PROPERTY OR IMMEDIATELY DOWNSTREAM THAT MAY POTENTIALLY DISCHARGE IN THE</li> </ul>		AND SEDIMENT CONTROL, WILL INSPECT THE SITE FOR STORMWATER POLLUTION PREVENTION DEFICIENCIES AT LEAST WEEKLY AND AGAIN WITHIN 24 HOURS OF EVERY ½ INCH RAIN EVENT. NOTIFY THE LOCAL IDEM OFFICE IF ANY PROBLEMS OCCUR OR PLAN CHANGES NEED TO BE MADE. SEE EROSION CONTROL SCHEDULE	2.	THE SUPERINTENDENT SHALL BE THE PERSON RESPONSIBLE FOR COMPLYING WITH THE ONSITE SWPPP. COORDINATE RESPONSIBILITY FOR COMPLETING THE SITE REVIEWS AFTER EACH 1/2" RAINFALL AND/OR A MINIMUM OF ONE TIME A WEEK. NOTIFY THE LOCAL IDEM OFFICE IF ANY PROBLEMS OCCUR OR PLAN CHANGES		0. ADDITIONAL EROSION CONTROL MEASURES MAY WATER INSPECTOR.
GROUNDWATER.	B15	ON THIS SHEET FOR MAINTENANCE DETAILS.		NEED TO BE MADE.	<u> </u>	NSTALLATION SCHEDULE
A13 THE SITE DOES NOT LIE WITHIN THE 100-TEAR FLOODFLAIN. A14 PRE-CONSTRUCTION PEAK DISCHARGE: UNKNOWN	DIJ	NOT AFFLICADLE.	3.	ALL STORMWATER MANAGEMENT SHALL COMPLY WITH THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT CONSTRUCTION STORMWATER GENERAL PERMIT (INRA00000) PREPARED FOR THIS PROJECT.	-	PROVIDE NECESSARY SWALES AND DIKES TO DIRE
POST-CONSTRUCTION PEAK DISCHARGE: UNCHANGED	1. Δ	CONSTRUCTION EQUIPMENT	4.	POST THE CONTACT INFORMATION AT THE CONSTRUCTION ENTRANCE. INCLUDE A	-	IF SPECIFIED, THE CONTRACTOR SHALL USE DIVER
NORTH: AGRICULTURAL SOUTH: AGRICULTURAL, COMMERCIAL	A.	FUELING, LUBRICATION, AND FLUIDS. ALL OPERATIONS INVOLVING THE ADDITION OF FLUIDS TO EQUIPMENT SHOULD BE DONE IN ONE LOCATION, SO THAT SPILLS ARE LIMITED TO THAT SPECIFIC LOCATION WHICH WILL FACILITATE THE CLEANUP OF SPILLS. IF AN OUTSIDE FUELING TANK IS PLANNED TO BE ON SITE, IT SHALL BE		COPY OF THE NOI AND THE CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR IMPLEMENTING THE SWPPP. THE SWPPP SHOULD BE ONSITE AND WEEKLY SITE REPORTS NEED TO BE AVAILABLE WITHIN 48 HOURS OF A REQUEST.	-	FROM THE CONSTRUCTION SITE. THESE MEASURES EXCEPT AS PREVENTED BY INCLEMENT WEATHER ( VEGETATION, SODDING, MULCHING, SEDIMENT BAS
EAST: AVIATION WEST: AGRICULTURAL, COMMERCIAL, RESIDENTIAL		DOUBLE WALLED AND STORED IN THIS DESIGNATED AREA. THIS LOCATION IS AN AREA THAT WILL NOT ALLOW SPILLED FLUIDS TO MIGRATE INTO SUBSURFACE SOILS IN THE EVENT OF A SPILL. THE FLUID SHALL IMMEDIATELY BE CLEANED UP BY	5.	INSTALL SILT FENCE AND INLET PROTECTION. INSTALL TEMPORARY CONSTRUCTION		INSTALLED ON ALL DISTURBED AREAS LEFT INACTIV
A16 CONSTRUCTION LIMITS ARE SHOWN ON THE SITE AND GRADING PLANS.		REMOVING THE CONTAMINATED SOIL OR STONE WHICH SHALL BE DISPOSED OF IN AN ACCEPTABLE MANNER. SPILLS ON HARD SURFACES SHALL BE SOAKED UP BY AN	6	ENTRANCE AS REQUIRED BY DETAIL.	-	ALL ON-SITE STORM DRAIN INLETS SHALL BE PROT
THE SITE IS CURRENTLY OCCUPIED BY FARM FIELDS.		ACCEPTABLE MATERIAL SUCH AS OIL DRY AND THE ABSORBENT MATERIAL DISPOSED OF IN A PROPER MANNER. THE SPILL SHALL ALSO BE REPORTED	7.	INSTALL MITIGATION IMPROVEMENTS PRIOR TO DISTURBING EXISTING DITCH.	<u> </u> 	TAINTENANCE SCHEDULE
A18 SOILS INFORMATION: AIC2 ALFORD SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED AIC3 ALFORD SILT LOAM, 6 TO 12 PERCENT SLOPES, SEVERELY ERODED AID2 ALEORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED	В.	IMMEDIATELY TO THE CONTRACTOR'S SUPERINTENDENT. EQUIPMENT REPAIR, ESPECIALLY WHEN FLUIDS MUST BE REMOVED FROM THE	8.	DO NOT DISTURB EXISTING DRAINAGE SWALE. DISTURBED AREAS ARE TO BE KEPT TO A MINIMUM. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING,		INSPECTION/MAINTENANCE CHECKS OF ALL EROSIC BE CHECKED BY THE CONTRACTOR ON A DAILY BAS
MuB2 MUREN SILT LOAM, 2 TO 6 PERCENT SLOPES, ERODED Ra RAGSDALE SILT LOAM		DONE OFFSITE AT A FACILITY THAT IS MORE SUITABLE THAN A CONSTRUCTION SITE TO HANDLE SPILLS. WHEN EQUIPMENT MUST BE REPAIRED ONSITE, IT SHOULD BE		CALCIUM CHLORIDE, VEGETATIVE COVER, SPRAY ON ADHESIVES OR OTHER APPROVED METHODS.	-	REPAIRS OR CLEANING OF EACH EROSION CONTRO DEVICE. ALL EROSION CONTROL DEVICES SHALL BI
Re REESVILLE SILT LOAM Wa WAKELAND SILT LOAM		MOVED TO THE MAINTENANCE AND FUELING AREA IF POSSIBLE. OTHERWISE, SUITABLE ON SITE CONTAINERS SHOULD BE PLACED UNDER THE EQUIPMENT	9.	NO CULVERT INSTALLATION IS INCLUDED IN THIS PROJECT.		RESEED ALL AREAS THAT DO NOT GERMINATE (SEE
19 ALL PROPOSED STORMWATER SYSTEMS ARE SHOWN ON THE PLAN AND PROFILE PLANS, DETAILED INFORMATION (LE, INVERTIELEVATIONS) CAN BE FOUND IN THE		DURING REPAIR TO CATCH ANY SPILLED FLUIDS AND THESE FLUIDS SHOULD BE DISPOSED OF IN A PROPER MANNER.	10.	ROCK CHECK DAMS, SILT FENCE AND INLET PROTECTION SHALL REMAIN IN PLACE UNTIL AREAS ARE STABILIZED. REMOVE GRAVEL DRIVE, CONSTRUCTION ENTRANCE	-	APPLY A MAINTENANCE FERTILIZER (SEE SPECIFIC/
PIPE AND STRUCTURE TABLES.	C.	ALL REUSABLE FLUID CONTAINERS, SUCH AS GASOLINE CANS, SHALL BE INSPECTED FOR LEAKS EACH TIME THEY ARE USED. IF LEAKS ARE FOUND, THE FLUID SHALL BE	11.	ONCE THE CONSTRUCTION ACTIVITY IS COMPLETED, A COMPLETED RULE 5 NOTICE	-	
20 OFF-SITE MITIGATION NOT REQUIRED FOR THIS PROJECT.		REMOVED FROM THE CONTAINER IN A PROPER MANNER AND THE CONTAINER DISPOSED OF IN AN ACCEPTABLE MANNER. EMPTY DISPOSABLE CONTAINERS, SUCH AS GREASE TUBES AND LUBRICATING OIL AND BRAKE FLUID CONTAINERS		OF TERMINATION (NOT) FORM MUST BE SUBMITTED TO THE LOCAL SWCD OFFICE IN VIGO COUNTY WHERE THE CONSTRUCTION ACTIVITY WILL TAKE PLACE FOR		REPLACE MULCH MATERIALS TO THEIR ORIGINAL L
EXISTING TOPOGRAPHY IS SHOWN ON THE SITE AND GRADING SHEETS. FLOW		AND THEIR PACKAGING, SHALL BE DISPOSED OF IN A PROPER MANNER AND SHALL NOT BE LEFT ON THE GROUND OR IN THE OPEN ON THE CONSTRUCTION SITE.		VERIFICATION.		ORGANIC MULCHES AND DISPLACEMENT OR DISAP
ARROWS HAVE BEEN ADDED TO THE EROSION CONTROL PLANS TO INDICATE POSSIBLE CONCENTRATED FLOWS.	2.	CONSTRUCTION MATERIALS AND THEIR PACKAGING	POS C1	ST CONSTRUCTION COMPONENTS EXPECTED POLLUTANTS WILL BE MINIMAL IN NATURE, POST-DEVELOPMENT. OIL,		TILL AND SMOOTH TO CONFORM TO THE EXISTING
23 PROPOSED CONTOURS ARE PROVIDED ON THE PLAN AND PROFILE PLANS VIEW TO INDICATE DRAINAGE PATTERNS. MINOR SHOULDER GRADING WILL NOT CHANGE	) A.	EROSION CONTROL MEASURES SHOWN ON THESE PLANS SHALL BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION IN THE PROPER SEQUENCING TO MINIMIZE		GREASE, ANTIFREEZE, GASOLINE, ETC. MAY OCCUR IN LIMITED AMOUNTS AS A RESULT OF RUNWAY OPERATIONS.		BARRIER IS NO LONGER REQUIRED.
EXISTING DRAINAGE PATTERNS. THE EXISTING SITE HAS BEEN GRADED TO ENCOURAGE SHEET FLOW WHEN POSSIBLE, BUT CONCENTRATED FLOW MAY OCCUR AROUND THE EXISTING STORM INLET STRUCTURES.		SOIL EROSION. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED AS DESCRIBED ELSEWHERE IN THESE PLANS. EXCESSIVE DUSTING OF SOIL ON THE SITE SHALL BE MINIMIZED BY REDUCING CONSTRUCTION TRAFFIC ACROSS BARE SOIL DURING DRY AND/OR WINDY WEATHER, AND BY APPLYING WATER OR OTHER	C2	ALL EXISTING EROSION CONTROL MEASURES AS SHOWN ON THE PLAN VIEW WILL NOT BE REMOVED UNTIL FINAL STABILIZATION HAS OCCURRED. FINAL STABILIZATION OF THE SITE WILL BE ACCOMPLISHED USING PERMANENT SEEDING OF ALL OPEN AREAS DISTURBED BY CONSTRUCTION AND THE PLACEMENT OF		REQUIRE PERIODIC TOP DRESSING WITH ADDITION, TO TRAP SEDIMENT AND REMOVE ALL SEDIMENT SI
CONSTRUCTION COMPONENT B1 POTENTIAL POLLUTANT SOURCES DURING CONSTRUCTION ACTIVITIES INCLUDE TRASH, FOSSIL FUELS, OIL, GREASE, PAINT AND SEDIMENT. EXPOSURE OF THESE		ACCEPTABLE DUST CONTROL MEASURES TO THE SOIL. UPON COMPLETION OF CONSTRUCTION AND SUITABLE ESTABLISHMENT OF PERMANENT VEGETATION, TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE AND INLET	C3	OF ALL OPEN AREAS DISTURBED BY CONSTRUCTION AND THE PLACEMENT OF ASPHALT PAVEMENT. PERMANENT STORMWATER QUALITY MEASURES INCLUDE THE USE OF VEGETATIVE	-	ALL TEMPORARY EROSION AND SEDIMENT CONTRO STABILIZATION IS ACHIEVED OR AFTER THE TEMPO STABILIZED TO PREVENT FURTHER EROSION.
POLLUTANTS TO STORMWATER RUNOFF SHOULD BE MINIMIZED BY PERFORMING ACTIVITIES SUCH AS EQUIPMENT STORAGE, REFUELING, MAINTENANCE AND PORT-A-LET PLACEMENT IN DESIGNED AREAS.		PROTECTION DEVICES SHALL BE REMOVED IN A MANNER TO MINIMIZE ADDITIONAL LAND DISTURBANCE. ANY AREAS DISTURBED BY THESE OPERATIONS SHALL BE PROPERLY REVEGETATED.		SWALES TO REDUCE RUNOFF FLOW. THE OWNER WILL PERFORM REGULAR MAINTENANCE INCLUDING REMOVAL OF SEDIMENT WITHIN THE SWALES AND REPLACING IT ON SITE	-	MAINTAIN TEMPORARY SEEDING ON ALL BARE SPO
B2 A CONSTRUCTION SEQUENCE CAN BE FOUND ON CSPP SHEETS.	В.	LARGE WASTE MATERIALS CREATED BY CUTTING, SAWING, DRILLING, OR OTHER	C4	THE LOCATION, DIMENSIONS, SPECIFICATIONS AND DETAILS OF THE PERMANENT		POTENTIAL LEAKING POINTS OF THE VEHICLES. TH
B3 A CONSTRUCTION ENTRANCE LOCATION IS SHOWN ON THE SCOPE OF WORK PLAN SHEET AND A DETAIL HAS BEEN PROVIDED ON THE SUMMARY OF QUANTITIES SHEET.	I	CONTAINERS. THE SITE SHALL BE CHECKED AT THE END OF THE DAY, AT A MINIMUM, AND ALL WASTE MATERIALS, INCLUDING THOSE BLOWN ACROSS OR OFF THE SITE BY WIND, SHALL BE PICKED UP AND DISPOSED OF IN SUITABLE	C5	EROSION CONTROL MEASURES ARE PROVIDED ON THE EROSION CONTROL PLAN AND DETAILS SHEETS.	-	WHEN HAULING BARRELS OR ANY DEVICE CONTAIN OF BARRELS. THIS PAD WILL ABSORB THE DRIP/SP DIRECTED BY THE MANUFACTURER. ALL CONTAINE
B4 THE PREVENTION OF SHEET FLOW RUNOFF WILL BE ACHIEVED BY THE	_	CONTAINERS. WHERE POSSIBLE, OPERATIONS SUCH AS SAWING THAT CREATE SMALL PARTICLES SHOULD BE PERFORMED IN ONE SPOT IN AN AREA PROTECTED	00	THE RESPONSIBILITY OF THE PROJECT OWNER, UTILIZING PROCEDURES OUTLINED ON THESE PLANS. THE MAINTENANCE GUIDELINES CONSIST MOSTLY OF GOOD		COOPERATE WITH IDEM-OER ON PROCEDURES ANI
DETAILS ARE PROVIDED ON THE DETAIL SHEET.	Ι.	TO MINIMIZE WIND DISPERSAL. PACKAGING USED TO TRANSPORT MATERIALS TO THE SITE FOR CONSTRUCTION OF THE FACILITY SHALL BE DISPOSED OF PROPERLY,		HOUSEKEEPING MEASURES. ANY GRASSED OR VEGETATED AREAS THAT EXPERIENCE EROSION FROM RAINFALL EVENTS SHOULD BE REPAIRED AND REVECETATED AS SOON AS POSSIBLE. TRASH OR LITTER SHOULD BE DICKED UP	1	JEAR COMPLETION OF PROJECT
B5 THERE ARE NO AREAS OF MAJOR CONCENTRATED FLOW EXPECTED FOR THIS PROJECT.		WHETHER THE MATERIAL IS TAKEN OUT OF ITS PACKAGE AND INCORPORATED INTO THE PROJECT IMMEDIATELY OR STORED ONSITE FOR FUTURE USE. PACKAGED		AND PROPERLY DISPOSED TO PREVENT IT FROM GETTING INTO THE STORM DRAINAGE SYSTEM AND DOWNSTREAM WATERWAYS.	-	GRADE TO FINISHED OR EXISTING GRADES.
THE INSTALLATION OF STORM SEWER INLET PROTECTION IS SHOWN ON THE EROSION CONTROL PLAN SHEET AND THE DETAILS ARE SHOWN ON THE DETAIL		PACKAGING SHALL BE REPAIRED OR DISPOSED OF PROPERLY.		EROSION OF THE STEEP BANKS OF ANY BERMS OR SWALES SHOULD BE		FINE GRADE REMAINING EARTH AREAS DISTURBED
SHEET. 37 THE INSTALLATION OF ROCK CHECK DAMS MAY BE INCLUDED ON THIS PROJECT TO	C.	ALL DEWATERING ACTIVITIES SHALL BE DONE IN ACCORDANCE TO GOOD EROSION CONTROL PRACTICES. THESE PRACTICES SHOULD INCLUDE THE USE OF DIRT BAGS SUCH AS DANDY DIRT BAGS. THE USE OF THESE TYPES OF DEWATERING DEVICES		SUITABLE SOIL AND ESTABLISHING VEGETATION IMMEDIATELY, PREFERABLY BY SODDING.	•	SOIL SURFACE MUST BE FREE OF ROCKS DEBRIS
PREVENT EROSION CAUSED BY CONCENTRATED FLOW. IF CONCENTRATED FLOWS OCCUR, THE CONTRACTOR SHALL PLACE CHECK DAMS AS DIRECTED BY THE ENGINEER.	5	WILL REMOVE LARGE QUANTITIES OF SILT, SEDIMENT, AND DIRT AND PREVENT THESE MATERIALS FROM ENTERING THE STORM SEWER SYSTEM.				PROPER GERMINATION AND GROWTH. SOIL SURFAC SOIL CONDITIONS AT TIME OF SEEDING (SEE SPECI FERTILIZER, LIME AND SEED.
B8 OUTLET PROTECTION FOR THE EXISTING DISCHARGE POINTS WILL NOT BE REQUIRED FOR THIS PROJECT. IF SCOURING EROSION DOES BEGIN TO OCCUR, THE CONTRACTOR SHALL INSTALL THE NECESSARY MEASURES TO PREVENT EROSION	E				-	WORK FERTILIZER INTO SOIL (SEE SPECIFICATIONS
THE INSTALLATION OF EROSION CONTROL BLANKET ON THIS PROJECT SHALL BE						RESEED AS NECESSARY UNTIL A GOOD STAND OF (
USED WHEN SLOPES ARE GREATER THAN 4:1.					-	POST CONSTRUCTION REQUIREMENTS INCLUDE IN
					-	ENSURE PERMANENT SEEDING HAS BEEN APPLIED
					-	SWEEP THE PAVEMENT AREA FREE OF ANY SILT/DE
					-	CHECK INLET AND OUTLET POINTS OF CULVERTS F
					•	CLEAN ANY SEDIMENT OR DEBRIS FROM THE STORN
					*NIO	
					UVI	THE COUNTY ENGINEER AND/OR COUNTY SURVE

. BE IN ACCORDANCE WITH THE LATEST IDEM "STORM WATER QUALITY MANUAL" SURVEYOR HAS THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IN THE FIELD AS CONDITIONS WARRANT

# NOTES

NTROL PROGRAM AND SHALL ENFORCE IT DURING THE ENTIRE CONSTRUCTION PERIOD. ALL VEHICLES FENCED COMPOUND. THE ENGINEER SHALL APPROVE THE MUD CONTROL PROGRAM 30 DAYS PRIOR TO

DNTROL PROGRAM FOR THE ENTIRE CONSTRUCTION PERIOD AND MAINTAIN THE PROGRAM UNTIL THE RANCE ROAD, AND ALL AIRFIELD PAVEMENTS SHALL REMAIN FREE OF DUST AND DEBRIS DURING THE

SOIL AND WATER CONSERVATION DISTRICT WITH A NARRATIVE DESCRIBING THE CONSTRUCTION REACH LAND DISTURBING ACTIVITY.

N IN THE SUMMER OF 2025 AND MAY BE COMPLETED IN 45 TO 75 DATES. EROSION CONTROL OVIDED BY THE CONTRACTOR WITH 24 HOUR EMERGENCY CONTACT NUMBERS.

S DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

I CONTROL MEASURES ARE REQUIRED DUE TO THE CONTRACTOR'S CARELESSNESS OR FAILURE TO RT OF THE WORK AS SCHEDULED OR ARE ORDERED BY THE ASSIGNED ENGINEER, SUCH WORK SHALL BE /HER OWN EXPENSE.

KEPT CLEARED OF ACCUMULATED SEDIMENT. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT R. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER SUITABLE

MPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING INSTALLED UNDER THE GUIDANCE OF QUALIFIED PERSONNEL EXPERIENCED IN EROSION CONTROL, AND ONS INCLUDED HEREIN.

ES MAY BE REQUIRED IN THE FIELD BY THE VIGO COUNTY SURVEYOR'S OFFICE OR VIGO COUNTY SOIL AND

TO DIRECT WATER TOWARDS A PROTECTED AREA.

RASS AND TREES) OUTSIDE LIMITS OF CONSTRUCTION.

E DIVERSIONS, PERIMETER DIKES AND WATERWAYS TO INTERCEPT OFF-SITE RUNOFF AND DIVERT IT AWAY ASURES ARE TO BE INSTALLED BEFORE CLEARING AND GRADING OPERATIONS BEGIN.

ATHER CONDITIONS, STABILIZING MEASURES, SUCH AS TEMPORARY SEEDING OR PERMANENT ENT BASINS, EROSION CONTROL BLANKETS, OR OTHER SPECIFIED PROTECTIVE PRACTICES SHALL BE INACTIVE FOR SEVEN DAYS. NO DIRECT PAYMENT SHALL BE MADE FOR TEMPORARY SEEDING.

E PROTECTED AGAINST SEDIMENTATION AS SHOWN ON THESE PLANS AT TIME OF CONSTRUCTION.

R/PROJECT MANAGER OF THE INDIVIDUAL WHO IS RESPONSIBLE FOR THE ROUTINE DAILY EROSION AND SEDIMENT CONTROL MEASURES. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL AILY BASIS DURING THE PERIOD OF CONSTRUCTION ACTIVITY, AND AFTER EACH RAINSTORM EVENT.

CONTROL DEVICE SHALL BE AS REQUIRED IN ORDER TO MAINTAIN THE EFFECTIVENESS OF THE CONTROL HALL BE CLEANED WHEN 1/2 OF THEIR EFFECTIVE AREA IS COVERED.

ATE (SEE SPECIFICATIONS).

PECIFICATIONS) WITHIN 6 MONTHS OF ACQUIRING A GOOD STAND OF GRASS.

CT AREA UNTIL SOIL IS STABILIZED.

ADEQUATE VEGETATION GROWTH AND DEVELOPMENT.

GINAL LEVEL WHEN THE LEVEL HAS BEEN SUBSTANTIALLY REDUCED DUE TO DECOMPOSITION OF THE R DISAPPEARANCE OF BOTH THE ORGANIC AND INORGANIC MULCHES.

ERS IMMEDIATELY AND MONITOR BARRIERS DAILY DURING PROLONGED RAINFALL.

(ISTING GRADE AND RESEED ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE

S IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADS. THIS COULD DDITIONAL SURFACE MATERIALS AS CONDITIONS DEMAND. REPAIR AND CLEAN OUT ANY MEASURES USED MENT SPILLED, DROPPED, WASHED OR TRACKED ON ROAD AND RETURN TO THE POINT OF LIKELY ORIGIN.

CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY

RE SPOTS AWAY FROM PARTICULAR CONSTRUCTION PHASE.

FT UNATTENDED AFTER HOURS, THERE NEEDS TO BE AN APPROVED DRIP PAN UNDER ANY AND ALL LES. THIS DRIP PAN MUST BE APPROVED BY THE ENGINEER.

CONTAINING CHEMICALS, THERE MUST BE A FILTER PAD PLACED UNDER SPECIFIC DRIP POINTS OR NOZZLES DRIP/SPILL UNTIL ARRIVAL AT THE CONSTRUCTION SITE WHERE IT CAN BE DISPOSED OF OFF SITE, AS ONTAINERS MUST BE SECURELY FASTENED PRIOR TO ENTERING OR LEAVING THE JOB SITE.

RES AND REPORTS INVOLVED WITH THE EVENT.

URBED BY CONSTRUCTION ACTIVITIES.

EBRIS, AND OTHER FOREIGN MATERIALS. SOILS MUST HAVE PROPER MOISTURE CONTROL TO ASSURE SURFACE MUST BE COMPACTED TO A DEPTH OF AT LEAST 6 INCHES. SOIL PREPARATION DEPENDS ON E SPECIFICATIONS). SURFACE OF SOIL SHALL BE LEVEL AND LARGE VOIDS ELIMINATED TO APPLYING

CATIONS).

AND OF GRASS IS ACHIEVED PER SPECIFICATIONS.

LUDE INSPECTING THE SITE FOR ANY BARE SOIL SPOTS.

PPLIED AND ALL LAWN AREAS ARE COVERED.

SILT/DEBRIS.

ERTS FOR EROSION AND MAINTAIN/REPAIR A STAND OF GRASS TO AVOID SIGNIFICANT EROSION.

ITIVE DRAINAGE AND BACKFILL.

STORM DRAINAGE PIPES AND INLETS.

![](_page_23_Picture_50.jpeg)

**CE502** 

# **ABBREVIATIONS**

FD

FH

FIN

FLCV

FLUOR

F.PRG

FLR

FPL

FR

FΤ

GA

GALV GC

GEN

GL GL BLK

GFI

GI

GT

GR

GYP

GYP

HC

HD

HDW

HM

HT

ID

IN

INT

INV

JAN

JT

KIT

KPL

LAM

LAV

INSUL

HDWD

HNDRL

HORIZ

PLAS

GYP BD

FTG

FDTN

# SYMBOLS

AND

AT

LINE

Α

В

BOARD

BLOCK

BOTTOM

BEARING

CABINET

CATCH BASIN

BASEMENT BOLLARD

BRICK

BEAM

BUILDING

ANGLE

CENTER

DIAMETER

CHANNEL

ACOUSTICAL

ANCHOR

ALTERNATE

ALUMINUM

APPROXIMATELY

ATTENUATION

ACOUS. PLASTER ACOUSTICAL CEILING

TILE ADJUSTABLE

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

ð.		
$\angle$		
@		
Æ		
Ø		
_		

1

# ACOUS ACPL ACT ADJ AFF AFG AHR ALT ALUM APPROX

ATTEN

# BD BLDG

BLDG BLK BM BOT BRG BRK BSMT BLD

С

CAB CB CEM CEMENT CEM PLAS CEMENT PLASTER CER CG CJ CLG CERAMIC CORNER GUARD CONTROL JOINT CEILING CL CM CMU CO COL CENTERLINE CERAMIC MOSAIC CONCRETE MASONRY UNIT CLEAN OUT COLUMN CONC CONCRETE CONSTR CONSTRUCTION COLD ROLLED CR CPT CARPET CONT CT CONTINUOUS CERAMIC TILE CU COOLING UNIT

### D DOUBLE DETAIL DIAMETER DIAGONAL DIMENSION DISPENSER DOWN DOOR DOWNSPOUT DRYWALL DRAWING

DBL

DET DIA DIAG DIM

DISP

DN DR DS DW

DWG

EA

EJ

EL

ELEC ENAM EPT

EQ

EQUIP

EW EWC

EXIST EXP

EXP

STR EXT

Е EAST EACH ENAMEL EQUAL

EXTERIOR

### EXPANSION JOINT ELEVATION ELECTRICAL EPOXY PAINT EQUIPMENT EACH WAY ELECTRIC WATER COOLER EXISTING EXPANSION EXPOSED STRUCTURE

LINO	LINOLEUM
LT	LIGHT
WT	WEIGHT
LVR	LOUVER
	М
MACH	MACHINE
MAX	MAXIMUM
MECH	MECHANIC
MFR	MANUFACT
MH	MAN HOLE
MIN	MINIMUM
MR	MARBLE
MO	MASONRY
MTL	OPENING M
MULL	MULLION

### NORTH NOT IN CONTRACT NOMINAL NOT TO SCALE

# OC OH OD OPNG

NIC NOM NTS

OPP OF

FLOOR DRAIN FOUNDATION FLAT HEAD FINISH FLASH COVE FLOOR FLUORESCENT FIREPLACE FIREPROOFING FRAME FOOT FOOTING
G

GROUND

2

### GAUGE GALVANIZED GENERAL CONTRACTOR GENERAL GROUND FAULT INTERRUPT GALVANIZED IRON GLASS GLASS BLOCK GLAZED TILE GROUT GYPSUM GYPSUM BOARD GYPSUM PLASTER

н HOLLOW CORE HEAD HARDWARE HARDWOOD HOLLOW METAL HANDRAIL HORIZONTAL HEIGHT

### INSIDE DIAMETER INCH INSULATION INTERIOR INVERT

J JANITOR JOINT J-BOX JUNCTION BOX

## κ KITCHEN KICKPLATE L

LAMINATE LAVATORY LINOLEUM

CAL TURER METAL

Ν

# 0 ON CENTER

OVERHEAD OUTSIDE DIAMETER OPENING OPPOSITE OUTSIDE FACE

### PLASTIC LAMINATE PLASTER PLYWOOD PORCELAIN POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PARTITION POLYVINYL CHLORIDE Q QUARRY TILE

PLATE

PL

PLAM

PLAS

PLYWD

PORC

PSF PSI

PTN

PVC

QT

RBR

RD

REC REF

REINF REQD RES RESIL

RET RM

RO RP RTU

SCHED SCW SECT SHT

SIM SLNT

SPEC

SQ SST

STD

STL

STUC

SUSP

SV

Т&В

T & G

TEL

TER

TOC

TOM

TOS

TOW

THRU

TYP

ΤE

UR

VBM

VCP VCT VERT

VO

VT

W

W/

WC

WD

WF

WDP WRES

WP

WWF

VWC

STRUCT

PT

3

RADIUS RISERS RUBBER ROOF DRAIN RECESSED REFERENCE REINFORCED REQUIRED RESISTANT RESILIENT RETAINING ROOM **ROUGH OPENING** RUBBER PADS ROOFTOP UNIT

### S SOUTH SCHEDULE

SOLID CORE WOOD SECTION SHEET SIMILAR SEALANT SPECIFICATION SQUARE STAINLESS STEEL STANDARD STEEL STUCCO STRUCTURAL SUSPENDED SHEET VINYL

### TREADS TOP AND BOTTOM TONGUE AND GROOVE TELEPHONE TERRAZZO TOP OF CONCRETE TOP OF MASONRY TOP OF STEEL TOP OF WALL THROUGH TYPICAL TROWELED EPOXY

т

U URINAL V VIRTUAL BANK MANAGER VITRIFIED CLAY PIPE VINYL COMPOSITION

### TILE VERTICAL VINYL (BY OWNER) VINYL TILE VINYL WALL COVERING

W WEST WITH WATER CLOSET WOOD WIDE FLANGE WOOD PANELING WATER-RESISTANT WATERPROOF WELDED WIRE FABRIC

![](_page_24_Figure_38.jpeg)

POCKET DOOR

4

5

6	7	
		WOOLPERT ARCHITECTURE   ENGINEERING   GEOSPATIAL
	GENERAL NOTES	4454 IDEA CENTER BOULEVARD DAYTON, OH 45430-1500 937.461.5660
AR	A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND NOTIFY ARCHITECT OF ALL DISCREPANCIES. ALL WORK REQUIRING MEASURING TO BE DONE ACCORDING TO FIGURES ON DRAWINGS, NOT SCALED FROM DRAWINGS. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. CONTRACTOR TO SUBMIT SPECIFIC DISCREPANCY FOR ARCHITECT REVIEW, PRIOR TO COMMENCING WITH THE WORK IN QUESTION.	GISTER MO. AFI1900233
HT TE	B DIMENSIONS SHOWN ON THE DRAWINGS WITH AN INDICATION OF +/- ARE DIMENSIONS THAT SHALL BE FIELD VERIFIED BY THE CONTRACTOR. DIMENSIONAL VARIANCES WILL BE ENCOUNTERED, AND EACH OCCURRENCE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.	THE TO WEARA
ICK	C ALL WORK TO CONFORM TO LOCAL CODES, ORDINANCES AND REQUIREMENTS.	ISSUED FOR BID
	D ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS AND CEILINGS TO BE SEALED WITH PROPER APPROVED MATERIALS TO THE FULL THICKNESS OF THE CONSTRUCTION ELEMENTS.	
	E EACH CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL SURROUNDING CONSTRUCTION ELEMENTS AND TRADES AFFECTED.	D
	F CONTRACTOR TO INSTALL WOOD OR METAL BLOCKING FOR ALL CASEWORK, EQUIPMENT, HANDRAILS, BATH ACCESSORIES, FIXTURES, ETC. AS RECOMMENDED BY MANUFACTURER. IF NOT OTHERWISE SHOWN HEREIN	
	G ALL WOOD BLOCKING LOCATED OUTSIDE THE BLDG. ENVELOPE, IN EXTERIOR WALLS/ROOFS OR IN CONTACT W/ CONCRETE OR MASONRY, SHALL BE TREATED LUMBER, AND FASTENED WITH SCREWS. ALL TREATED WOOD BLOCKING SHALL HAVE CORROSION RESISTANT SCREWS.	SCHEDULE
1G	H IF DISCREPANCIES BETWEEN PLANS OR SPECIFICATIONS OCCUR THE CONTRACTOR SHALL NOTIFY THE C.O.R. THE MOST RESTRICTIVE, HIGHER QUALITY OR GREATER VALUE WILL APPLY. FOR BIDDING, CONTRACTOR SHALL USE THE MOST	ISSUANCE DESCE
CALE	RESTRICTIVE, HIGHER QUALITY OR GREATER VALUE BUT FINAL DETERMINATION WILL BE DETERMINED BY THE C.O.R. DURING SUBMITTAL REVIEW OR BY REPLYING TO RFI.	DATE
	I MOUNTING HEIGHTS OF ELECTRICAL, PLUMBING, MECHANICAL, AND OTHER DEVICES SHALL COMPLY WITH HEIGHTS INDICATED ON DRAWINGS. NOTIFY C.O.R. IF CONFLICTS ARE ENCOUNTERED.	
		C TERRE HAUTE
D R		
TE		PHAS
S		ABL B
		024) <b>H</b>
		<b>UTI</b> JNIT 57-20
		<b>HA</b> 082-(082-(082-(082-(082-(082-(082-(082-(
OVED		-18-0 IN 47803
		HUF HUF AIP 3 31 S. Aipo
SWING		PROJECT NO: 10019658
		DESIGNED BY: JME
DOR		CHECKED BY: MJL
		A <u>SHEET NAME:</u> ABBREVIATIONS AND SYMBOLS
		<u>SHEET NO:</u>
		A-001

![](_page_25_Figure_0.jpeg)

![](_page_25_Figure_1.jpeg)

![](_page_25_Figure_2.jpeg)

3

![](_page_25_Picture_4.jpeg)

![](_page_25_Figure_7.jpeg)

GYP. BOARD METAL CORNER BEAD, TYP.

GYP. CORNER DETAIL 2 GYP. 0 3" = 1'-0"

![](_page_25_Figure_12.jpeg)

![](_page_26_Figure_0.jpeg)

1 FLOOR PLAN 1/16" = 1'-0"

2

1

![](_page_26_Figure_5.jpeg)

A-101

0 8' 16'

2 A-301

![](_page_27_Figure_2.jpeg)

![](_page_27_Figure_6.jpeg)

<u>SHEET NO:</u>

A-102

10/17/2024 10:25:01 AM

Docs://HUF -Terre Haute Regional Airport -Projects Hub/10019658\_West Quad 6 Unit Box Hangar\_ARCH\_R23.rvt

![](_page_28_Figure_2.jpeg)

![](_page_28_Figure_4.jpeg)

![](_page_29_Figure_0.jpeg)

desk Docs///HILE -Terre Haute Regional Airport-Droiects Hub/10019658. West Ouad 6 Unit Box Hangar. ARCH

![](_page_30_Figure_0.jpeg)

![](_page_31_Figure_0.jpeg)

![](_page_31_Figure_7.jpeg)

![](_page_32_Figure_0.jpeg)

![](_page_32_Figure_3.jpeg)

\_\_\_\_\_

							DOOR SC	HEDULE									Room Fin	ish Schedu
			DOOR	GLAZING	FRAME		DETAILS		FIRE	HARDWARE		ROOM					I	NALL
NO.	WIDTH	HEIGHT	TYPE	TYPE	TYPE	HEAD	JAMB	SILL	RATING	SET	REMARKS	NUMBER		FLOOR	BASE	NORTH	EAST	SOUTH
101	3' - 0"	6' - 8"	<u> </u>	GT-2	1	2/4601	2/4601	2/4601		1	12	 101	HANGAR BAY	SLR-1	NONE		PT-1 FOR ALL E	XPOSED STRU
101A	10' - 0"	12' - 0"		-	-	1/A601	3/A601	2// (001			12	 102	HANGAR BAY	SLR-1	NONE		PT-1 FOR ALL E	XPOSED STR
101R	3' - 0"	6' - 8"	F	GT-2	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3		1	123	 103	HANGAR BAY	SLR-1	NONE		PT-1 FOR ALL E	XPOSED STR
1010	3' - 0"	6' - 8"	C C	GT-2	1	2/4601	2/4601	2/4601		1	1 2	 104	MECH	SLR-1	B-1	PT-3	PI-3	PI-3
102 102A	10' - 0"	12' - 0"		-		1/A601	3/A601	2// (001			12	 105	HANGAR BAY (ALT #1)	SLR-1	NONE		PT-1 FOR ALL E	XPOSED STR
102/T	3' - 0"	6' - 8"	F	GT-2	SEE NOTE 3	SEE NOTE 3	SFE NOTE 3	SEE NOTE 3		1	123	 106	HANGAR BAY (ALT #1)	SLR-1	NONE		PI-1 FOR ALL E	XPOSED STR
103	3' - 0"	6' - 8"	C .	GT-2	1	2/A601	2/A601	2/A601		1	12	 107	HANGAR BAY (ALI #1)	SLR-1	NONE	NONE	PI-1 FOR ALL E	XPOSED STR
103A	10' - 0"	12' - 0"	D	-		1/A601	3/A601	2// 100 1			12	 108	FUTURE	NONE	NONE	NONE	NONE	NONE
103B	3' - 0"	6' - 8"	F	GT-2	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3		1	1.2.3	 109		SLR-1	NONE	NONE	NONE	NONE
104	6' - 0"	6' - 8"	B	-	1	2/A601	2/A601	2/A601		2	1.2	 110	CORRIDOR	SLR-1	NONE			NONE
105	3' - 0"	6' - 8"	C	GT-2	1	2/A601	2/A601	2/A601		1	1.2	 111	510	SLR-1	NONE	P1-3	P1-3	P1-3
105A	10' - 0"	12' - 0"	D	-	_	1/A601	3/A601				1.2							
105B	3' - 0"	6' - 8"	F	GT-2	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3		1	1,2,3		FIN	SH LEGEND				
106	3' - 0"	6' - 8"	С	GT-2	1	2/A601	2/A601	2/A601		1	1,2						_	
106A	10' - 0"	12' - 0"	D	-	-	1/A601	3/A601			1	1,2	FLOORING:		PAINT: (SEE SP	ECS)			
106B	3' - 0"	6' - 8"	F	GT-2	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3		1	1,2,3							
107	3' - 0"	6' - 8"	С	GT-2	1	2/A601	2/A601	2/A601		1	1,2	SLR-1: CLEA	AR CONCRETE SEALER					
107A	10' - 0"	12' - 0"	D	-	-	1/A601	3/A601			-	1,2		4" RUBBER BASE OWNER		R'S STANDARD COI	LECT FROM		
107B	3' - 0"	6' - 8"	F	GT-2	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3		1	1,2,3	TO SELECT	FROM MANUFACTURER'S	EXPOSED STEE	EL FRAMING			
108	6' - 0"	6' - 8"	E	GT-1 & GT-2	1	2/A601	2/A601	2/A601		2	1,2	STANDARD	COLORS					
109	3' - 0"	6' - 8"	A	-	1	4/A-601	5/A-601			3	1			PT-2				
110	3' - 0"	6' - 8"	F	GT-2	1	2/A601	2/A601	2/A601		1	1,2			SHERWIN WILLI	IAMS, OWNER TO SE			
111	3' - 0"	6' - 8"	A	-	1	4/A-601	5/A-601			3	1					LUNG. FUR ALL		

### DOOR SCHEDULE REMARKS LEGEND:

1. REFER TO FINISH LEGEND FOR HM PAINT FINISH

1

2. INSULATED 3. BY HANGAR DOOR MANUFACTURER, TO BE LOCATED WITHIN BI-FOLD HANGAR DOOR. 2

![](_page_33_Figure_4.jpeg)

NOT BE THERMALLY BROKEN. 3. ALL EXTERIOR AND INTERIOR FRAMES TO BE 2-1/2" WIDE,

UNLESS NOTED OTHERWISE

FRAME TYPES

![](_page_33_Figure_6.jpeg)

TYPE 1

![](_page_33_Figure_9.jpeg)

![](_page_33_Figure_10.jpeg)

3	4	4	5	

### PT-3

SHERWIN WILLIAMS, OWNER TO SELECT FROM MANUFACTURER'S STANDARD COLORS. FOR ALL GYPSUM BOARD WALL IN FINISHED AREAS

### HARDWARE SETS:

(ALL HARDWARE TO BE US32D, UNLESS OTHERWISE NOTED. ALL MANUFACTURER'S LISTED ARE THE BASIS OF DESIGN, APPROVED EQUALS ARE ACCEPTED)

001: 83" CONTINUOUS HINGE 112HD, US28 FINISH BY IVES; EXIT DEVICE 99L-NL 36" BY VON DUPRIN; RIM CYLINDER MEDECO, US26D FINISH; STANDARD STRIKE BY VON DUPRIN; DOOR OPERATOR 1461 REG/PA, ANCLR FINISH BY LCN CLOSERS; WEATHERSTRIP 45041 CNB 1"x36" 2x84" BY PEMKO; WEATHERSTRIP 18100 CNB 36" BY PEMKO; THRESHOLD 2005 AT 36" BY PEMKO. MECHANICAL KEYPAD KEYED LEVER LOCKSET, BY SIMPLEX L100 SERIES

002: (PAIR OF DOORS) 83" CONTINUOUS HINGES 112HD, US28 FINISH BY IVES; EXIT DEVICES 99L-NL 36" BY VON DUPRIN; RIM CYLINDERS MEDECO, US26D FINISH; STANDARD STRIKE BY VON DUPRIN; DOOR OPERATORS 1461 REG/PA, ANCLR FINISH BY LCN CLOSERS; ; WEATHERSTRIPS 45041 CNB 1"x36" 2x84" BY PEMKO; WEATHERSTRIPS 18100 CNB 36" BY PEMKO; THRESHOLD 2005 AT 36" BY PEMKO, MECHANICAL KEYPAD KEYED LEVER LOCKSET, BY SIMPLEX L100 SERIES

003: 83" CONTINUOUS HINGE 112HD, US28 FINISH BY IVES; RIM CYLINDER MEDECO, US26D FINISH; DOOR OPERATOR 1461 REG/PA ANCLR FINISH BY LCN CLOSERS; STORAGE LOCK SET

![](_page_33_Figure_29.jpeg)

### EXTERIOR WALL DOOR DETAILS ) ۷

1 1/2" = 1'-0"

![](_page_33_Figure_31.jpeg)

**HEAD DETAIL - INTERIOR** 

![](_page_33_Figure_34.jpeg)

![](_page_34_Figure_0.jpeg)

GENERAL PLUMBING SYMBOLS –	GENERA
	Ø DIAMETER ABA ARCHITEC
POINT WHERE NEW CONNECTS TO EXISTING	ABV ABOVE AC AIR COMPI
- NUMBER OF DETAIL ON SHEET	AD AREA DRA ADA AMERICAN
NUMBER OF SHEET WHERE DETAIL APPEARS	AFF ABOVE FIN ALT ALTERNAT
1     KEYNOTE	ARCH ARCHITEC
CONTINUATION / PIPE BREAK SYMBOL	BFF BELOW FIN BFP BACKFLOV
ROOM ROOM NAME AND NUMBER	BTU BRITISH TH BTUH BRITISH TH
	CAP CAPACITY CB CATCH BA CF CUBIC FEE
	CFH CUBIC FEE CFM CUBIC FEE
AREA NOT IN CONTRACT	CLG CEILING CO CLEANOUT
PIPE SIZE TAG (SIZE AND SYSTEM)	COR CONTRAC CW COLD WAT
EXISTING PIPE TAG	DIA DIAMETER DN DOWN DPW DEPT OF F
	DSO DOWNSPO DTMV DIGITAL T
	EA EACH ELEC ELECTRIC
	EQPT EQUIPME EWC ELECTRIC
PLUMBING AND PIPING SYMBOLS –	LXIST EXISTING "F DEGREES FCO FLOOR CI
CD————————————————————————————————————	FD FLOOR DI FL FLOOR
	FO FUEL OIL FOV FUEL OIL FOR FUEL OIL
CA————————————————————————————————————	FOS FUEL OIL FS FLOOR S
GREASE WASTE	FT FOOT/FE GAL GALLON
— — — — — — — — GV- — GREASE VENT	GC GENERA GFCI GOVERN
	GPM GALLON GW GRFASE
HOT WATER	HB HOSE BI HP HORSEP
HOT WATER RECIRCULATION	HIR HEATER HTG HEATING HW HOT WAT
G NATURAL GAS	HYD HYDRAN IN INCH
OW         OIL WASTE	I.E. INVERTE LB POUND LB/HR POUNDS
OSD OVERFLOW STORM DRAINAGE	LPG LIQUEFIE MAX MAXIMUN
PUMP DISCHARGE	MBH THOUSA MECH MECHAN MFR MANUFA
	MIN MINIMUN MISC MISCELL
SANITARY SEWER - ABOVE GRADE	NIC NOT IN C NO NUMBER NTS NOT TO
SOFT COLD WATER       SANITARY VENT	O/A OUTSIDE ORD OVERFLO
	PRESS PRESSU PRV PRESSU PRV PRESSU
ABBREVIATIONS	PSI POUNDS PSIG POUNDS RD ROOF DR
ADDREVIATIONS          AHU       AIR HANDLING UNIT         DBP       DOMESTIC WATER BOOSTER PUMP         DC       DETECTOR DOUBLE CHECK (BACKFLOW PREVENTER)         DW       DISHWASHER         EWS       ERGENCY EYEWASH STATION         ES       EMERGENCY SHOWER         ET       EXPANSION TANK         EEW       EMERGENCY EYEWASH SHOWER         GD       GARBAGE DISPOSER         GI       GREASE INTERCEPTOR         IPC       INTERNATIONAL PLUMBING CODE         Lor LAV       LAVATORY         MAU       MAKE-UP AIR UNIT         PT       PLASTER TRAP         RPZ       REDUCED PRESSURE ZONE (BACKFLOW PREVENTER)         SEP       SEWAGE EJECTOR PUMP         Sor SK       SINK         SP       SUMP PUMP         TMV       THERMOSTATIC MIXING VALVE         USB       UTILITY SERVICE WALL BOX         Uor UR       URINAL         WC       WATER CLOSET	REDREDUCERHROOF HYR-IROUGH-IRMROOMRPMREVOLUTRSDROOF SCSANSANITARSFSQUARESOVSHUT-OFSSSANITARSTMSTEAMSTN STLSTAINLE:TDTRENCHTEMPTEMPER.UGUNDERGVACVACUUMVVENTVTRVENT THWWASTEWCOWALL CLWHBWALL HYYCOYARD CL

\* NOTE \*

6 4	I	5	
AL PLUMBING ABBREVIATIONS			PROJECT PLU
R CTURAL BARRIERS ACT	GENERAL PLUMBING NOTES:		
PRESSOR DITIONING	1. WORK PLANS TO BE CONSIDERED AS DIAGRAMM. ACCEPTABLE STANDARD. ALL WORK SHALL CONF	ATIC AND ALONG WITH THE SPECIFICATIO FORM TO THE INTERNATIONAL PLUMBING	ONS, REFLECT A MINIMUM GODE, AND THE AMERICANS WITH
AIN ANS WITH DISABILITY ACT	2. SECURE AND PAY FOR ALL FEES AND PERMITS A	SSOCIATED WITH THIS PORTION OF THE	WORK.
INISHED FLOOR ATE PANEL	3. EQUIPMENT, MATERIAL AND WORKMANSHIP TO B COMPLETION EXCEPT WHERE NOTED AS MORE S	STRINGENT IN PROJECT MANUAL	M DATE OF SUBSTANTIAL
CT/ARCHITECTURAL CT/ENGINEER	4. COORDINATE ALL ASPECTS OF WORK WITH OTHE	ER TRADES PRIOR TO AND DURING CONS	STRUCTION/INSTALLATION.
FINISHED FLOOR DW PREVENTER	5. UNDERGROUND AND ABOVE GROUND PLUMBING AREA SURVEY AND THEREFORE THEIR LOCATION	SYSTEMS HAVE BEEN PLOTTED FROM A	VAILABLE RECORDS AND LIMITED
THERMAL UNITS THERMAL UNITS PER HOUR	EXISTENCE OF WHICH IS NOT KNOWN. THE INCLU ENGINEER AS TO THE LOCATION OF SUCH SYSTE	JDED INFORMATION REPRESENTS ONLY EMS AND IS ONLY INCLUDED FOR THE CO	THE ASSUMPTIONS OF THE INVENIENCE OF THE CONTRACTOR.
Y ASIN =FT	THE ENGINEER AND OWNER ASSUME NO RESPON OF THE INFORMATION SHOWN ON THE PLANS RE THEY ARE TO BE REMOVED, EXTENDED OR AD III	VSIBILITY WHATSOEVER, IN RESPECT TO LATIVE TO THE LOCATIONS OF THESE SY ISTED, IT SHALL BE THE CONTRACTORS F	THE SUFFICIENCY OR ACCURACY /STEMS OR THE MANNER IN WHICH RESPONSIBILITY TO DETERMINE THE
EET PER HOUR EET PER MINUTE	ACTUAL LOCATION AND PROPER IDENTIFICATION TO CONSTRUCTION OPERATIONS. IF EXISTING SY	I OF SAID PLUMBING SYSTEMS AND THEIF YSTEMS OF ANY NATURE ARE ENCOUNTE	R PROTECTION FROM DAMAGE DUE RED WHICH CONFLICT IN LOCATION
	WITH THE NEW CONSTRUCTION, THE CONTRACTOR RESOLVED. WHERE UTILITIES ARE INADVERTENT OF THE RESPONSIBLE CONTRACTOR VERIFICATI	OR SHALL NOTIFY THE ENGINEER SO THA LY DISTURBED, THE REPAIR OF SAME UT	AT THE CONFLICT MAY BE TILITY SHALL BE THE RESPONSIBILITY
CTING OFFICERS REPRESENTATIVE ATER	UNDERGROUND SYSTEMS AND UTILITIES, SHOWN AND DURING CONSTRUCTION / INSTALLATION.	N OR NOT SHOWN, WILL BE THE OBLIGAT	ION OF THE CONTRACTOR PRIOR TO
R PUBLIC WORKS	6. FIELD LOCATIONS OF UNDERGROUND UTILITIES S INDEPENDENT UTILITY LOCATOR SERVICE. PROV	SHALL BE OBTAINED BY CONTACTING THI IDE 48 HOURS ADVANCE NOTICE FOR UT	E LOCAL UTILITY OR AN ILITY INFORMATION.
POUT OUTLET TMV ASTEN/ENT	7. WHEN A CONFLICT BETWEEN PLANS AND SPECIF	ICATIONS OR NOTES OCCURS, THE ENGI	NEER SHALL DECIDE WHICH
CAL	DISCREPANCIES ARE DISCOVERED ON THE PLAN ENGINEER AND OBTAIN CLARIFICATION OF THE IN	, MORE SPECIFIC, OR STRICTER PROVISI S OR BETWEEN THE PLANS AND THE SPE NTENT FROM THE ENGINEER PRIOR TO C	CIN SHALL GOVERN. IF ANY ECIFICATIONS, NOTIFY THE CONSTRUCTION OR INSTALLATION OF
ENT C WATER COOLER	THE PROPOSED IMPROVEMENTS.		
s S FAHRENHEIT CLEANOUT	8. FURNISHING AND INSTALL ALL FIXTURES, PIPING, DRAWINGS. SCHEDULES AND IN THE SPECIFICAT	, SPECIAL HES AND APPURTENANCES AS IONS.	INDICATED ON THE PLUMBING
RAIN	9. NOT ALL HANGER TYPES, LABEL DESIGNATIONS, STANDARD INDUSTRY PRACTICE, SPECIFICATION	OR LEGEND REFERENCES WILL NECESS/ IS, AND PLANS INDICATE THE MAGNITUDE	ARILY BE USED FOR THIS PROJECT. E OF APPLICATION.
VENT RETURN	10. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE H	EIGHTS AND ACCESSIBILITY REQUIREME	.NTS.
L SUPPLY SINK ERV EQPT CONTR.	PIPING NOTES:		
	1. WHEN LAYING AND BACKFILLING PVC PIPE, TREN ROCK/HARDPAN IS ENCOUNTERED PROVIDE A MI	CH EXCAVATION SHALL BE FREE OF ROC INIMUM OF 4" OF COMPACTED EARTH, SA	K OR DEBRIS. WHERE LEDGE ND OR GRITS AND FINES IN BOTTOM
L CONTRACTOR MENT FURNISHED / CTOR INSTALLED	OF TRENCH .BACKFILL AROUND PIPE TO A MINIMU THIS POINT SHALL BE COMPACTED USING REMOV	UM OF 8" ABOVE PIPE WITH SAND OR GRI VED EARTH PLACED IN LAYERS AT A MINI	TS AND FINES. BACKFILL BEYOND MUM OF TWO PIPE DIAMETERS
S PER MINUTE WASTE	BACKFILLING. SEE ASTM D2321 AND MANUFACTU	RER'S SPECIFIC RECOMMENDATIONS AN	D REQUIREMENTS.
BB OWER	2. ALL UNDERGROUND SANITARY PIPING ROUTED N INFLUENCE.	IEAR COLUMN FOOTINGS SHALL BE LOCA	TED OUTSIDE OF THE ZONE OF
S FER T	3. PROVIDE ALL NECESSARY PIPE SLEEVES TO THE (ABOVE AND BELOW GRADE).	GENERAL CONTRACTOR & COORDINATIN	NG ALL PIPE SLEEVE LOCATIONS
LEVATION	4. PROVIDE CLEANOUTS AT BASE OF ALL SANITARY DIRECTLY (AS DRAWING CLARITY ALLOWS) INDIC	′, WITHIN 5'-0" (EITHER SIDE) OF EXTERIO ATED ON PLUMBING PLAN.	R WALL, WHETHER OR NOT
	5. WASTE AND VENT PIPING SHALL BE STANDARD, C	CODE APPROVED, DWV PATTERN FITTING	S WITH THE MINIMIUM SIZE
M NDS OF BTU'S PER HOUR	URAINAGE PIPING BELOW FLOOR BEING 2". DIRECUSE OF QUARTER BENDS OR SHORT SWEEP QUA SHALL NOT EXCEED A 45 DEGREE BEND. SLOPE (	3TIONAL CHANGES IN DRAINAGE PIPING & ARTER BENDS AND UNLESS ACCOMPANIE OF HORIZONTAL SANITARY SEWER PIPE {	DESTEM SHALL NOT INCLUDE THE D BY AN APPROPRIATE CLEANOUT SHALL BE AS NOTED: 2-1/2" OR LESS
ICAL CTURER	= 1/4" PER FOOT AND FOR 3" AND GREATER = 1/8" SCHEMATICS.	PER FOOT. FOR SIZES SEE PLANS, DETA	AILS, AND ISOMETRICS /
ANEOUS CONTRACT	6. PROVIDE CAST IRON PIPING FOR THE FIRST 20'-0' OR WASTE CONNECTION , WHERE STEAM MAY BE	" MINIMUM OF SANITARY BRANCH &/OR M E DESICHARGED OR WASTE DISCHARGE	IAIN PIPING BEYOND FLOOR DRAIN MAY EXCEED 140°F
SCALE	7. PROVIDE DRAINAGE LINES FROM EQUIPMENT TO	FLOOR DRAINS. INSTALL DRAINAGE LIN	ES WITH AN AIR GAP, A MINIMUM OF
DW ROOF DRAIN IG	<ol> <li>STORM DRAINAGE PIPE DIAWETER.</li> <li>STORM DRAINAGE PIPING SHALL BE ROUTED AT <sup>1</sup></li> </ol>	1/8" PER FOOT PITCH UNLESS OTHERWIS	E NOTED ON DRAWINGS.
RE RE REDUCING VALVE PER SQUARE INCH	9. SCHEDULE ALL WORK OF THIS TRADE TO AVOID I	INTERFERENCE WITH FIRE PROOFING WO	JRK.
PER SQUARE INCH GAUGE RAIN	10. PIPE PENETRATIONS THRU ROOF SHALL MEET TH WARRANTY.	HE REQUIREMENTS OF THE ROOFING MA	NUFACTURER'S ROOFING
r /DRANT N	11. WHERE NEW PLUMBING VENTS THRU ROOF ARE OUTDOOR AIR OPENINGS OR WINDOWS	PROVIDED, VENT TERMINALS SHALL BE A	MINIMUM OF 10'-0" FROM ANY HVAC
TIONS PER MINUTE	12. INSTALL PIPING FREE OF SAGS AND BENDS. OVER	RHEAD PIPING SHALL BE INSTALLED PAR	
Y FOOT	TO PREVENT STRESS ON PIPING.	FSETS, EXPANSION LOOFS/JOINTS, AND	TORS AND GUIDES AS NECESSART
Y SEWER	<ol> <li>INTERIOR WATER SUPPLY PIPING TO BE TYPE "L" TO BE TYPE "K" COPPER WITHOUT JOINTS. PROV FOR ADDITIONAL INFORMATION.</li> </ol>	COPPER WITH LEAD-FREE SOLDER JOIN IDE A MIN. OF 42" COVER BEYOND BUILDI	TS. UNDERGROUND WATER PIPING ING EXTERIOR FACE. SEE SCHEDULE
SS STEEL DRAIN ATURE	14. INSTALLED PLUMBING PIPE, FITTINGS, VALVES, T	RIM AND ETC, IN CONTACT WITH POTABL	E WATER, SHALL BE MADE OF LEAD
ATURE AND PRESSURE	111-380 (S3874) ALSO KNOWN AS THE "REDUCTION	N IN LEAD IN DRINKING WATER ACT" EFFE	ECTIVE JANUARY 4, 2014.
ROUND	15. ALL PIPING, VALVES AND APPURTENANCES SHAL DOORWAYS, STAIRS, PASSAGEWAYS, OR ACCESS VAV BOXES, CONTROLS, FANS, DAMPERS, FILTER	L BE INSTALLED SUCH AS NOT TO OBSTR S TO VARIOUS MECHANICAL EQUIPMENT RS, AND ANY OTHER MAINTENANCE ACCE	(UCT ANY PORTION OF WINDOWS, (INCLUDING BUT NOT LIMITED TO: -SS POINTS) OR LIGHTING, FTC.
ROUGH ROOF	16. PIPING SHALL NOT BE ROUTED ABOVE ELECTRIC.	AL PANELS NOR WITHIN 36" OF THE FROM	NT OF THE PANELS. COORDINATE
DRANT HOSE BIBB EANOUT	17. DWV, SUPPLY, AND GAS PIPING ROUTED THROUG	3H FINISHED AREAS SHALL BE CONCEALE	ED ABOVE CEILING OR IN FURRED-
	OUT WALL. DWV, SUPPLY, AND GAS PIPING SHALL OTHERWISE ON DRAWINGS.	- NOT BE EXPOSED IN FINISHED AREAS U	INLESS SPECIFICALLY NOTED
	18. ROUTE SUPPLY AND WATER PIPING AS HIGH AS F CONFLICT WITH HVAC AND ELECTRICAL TRADES.	20SSIBLE, COORDINATE WITH OTHER TRA	ADES AND OFFSET WHERE IN
	19. ACCESSIBLE SHUTOFF VALVES TO BE PROVIDED CONNECTIONS, EACH EXTERIOR WALL HYDRANT PANELS FOR SHUTOFF VALVES WHERE REQUIRE	ON ALL BRANCH PIPING, AT EACH TOILE AND HOSE BIBB. PLUMBING CONTRACTO D, COORDINATE TYPE AND FINISH WITH I	T ROOM, EQUIPMENT )R TO PROVIDE 8"x8" (MIN.) ACCESS DIV. 8 REQUIREMENTS.
	20. ALL ABOVE CEILING ISOLATION/SHUT-OFF VALVE	S SHALL BE INSTALLED SUCH THAT THEY	' MAY BE EASILY SEEN & ACCESIBLE.
	21. FIXTURES AND ROUGHED IN FIXTURES SHALL BE CHROME PLATE ESCUTCHEONS. WHERE EXPOSE	COMPLETE WITH SUPPLY PIPES WITH ST D TO VIEW ESCUTCHEONS SHALL BE SE	OPS. SUPPLIES AND STOPS TO BE T SCREW TYPE.
	22. NATURAL GAS EQUIPMENT CONNECTIONS SHALL SEDIMENT TRAPS, OVER-PRESSURE DEVICE UNIC APPROVED FLEXIBLE GAS SUPPLY CONNECTION ADDITIONAL REQUIREMENTS	. BE PROVIDED WITH VALVES, UNIONS, IN DNS, ETC. AS NECESSARY FOR A COMPLE WHERE SPECIFICALLY NOTED. SEE DETA	CH TO INCHES REGULATORS, ETE INSTALLATION. INSTALL "AGA" AILS AND SPECIFICATIONS FOR
	23. PRESSURE TEST ALL NATURAL GAS PIPING SYST	EMS TO 100 PSIG OR 1.5 TIMES THE SYST	TEM OPERATING PRESSURE,
	WHICHEVER IS GREATER FOR A PERIOD OF 24 HC	JUKS. ERFER TO ANSI Z223.1 PART FOR	FOR ADDITIONAL REQUIREMENTS.

\*ALL GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. \*SEE PLUMBING SCHEDULES FOR ADDITIONAL KEY MARK (ABBREVIATIONS) OF FIXTURE CALLOUTS. \*NOT ALL SYMBOLS AND ABBREVIATIONS WILL NECESSAIRLY BE USED WITHIN THESE DOCUMENTS.

# JMBING NOTES

### PIPING NOTES (CONT.) :

- 20. PROVIDE TYPE "A" WATER HAMMER ARRESTORS AT COLD AND HOT WATER CONNECTIONS TO WASHING MACHINES, DISHWASHING MACHINES, ELECTRIC WATER COOLERS AND REFRIGERATOR/STAND ALONE ICE MAKERS AND LOCATIONS AND WHERE THE USE OF QUICK CLOSING VALVES ARE INVOLVED. PROVIDE WATER HAMMER ARRESTORS FOR EACH RESTROOM FIXTURE GROUP PER THE RECOMMENDED METHODS OUTLINED BY THE PDI INSTITUTE AND APPLICABLE MANUFACTURERS.
- 21. PROVIDE ALL DRAINAGE LINES FROM EQUIPMENT TO FLOOR DRAINS, FLOOR SINKS AND/OR HUB DRAINS. INSTALL DRAINAGE LINES WITH AN AIR GAP, A MINIMUM OF 2 TIMES THE DRAINAGE PIPE DIAMETER.
- 22. ROUTE PIPING AS HIGH AS POSSIBLE, COORDINATE WITH OTHER TRADES AND OFFSET WHERE IN CONFLICT WITH HVAC, ELECTRICAL AND FIRE PROTECTION TRADES.
- 23. PROVIDE AND INSTALL ALL ROUGH-INS, FITTINGS AND TRIM FOR PLUMBING FIXTURES PROVIDED BY THE OWNER OR GENERAL CONTRACTOR SEE ARCHITECTURAL DWGS. & SPECIFICATIONS FOR ADDITIONAL INFORMATION.

### EQUIPMENT NOTES:

- PROVIDE WATER HAMMER ARRESTORS WHERE WATER SUPPLY IS CONNECTED TO EQUIPMENT WHICH UTILIZE A SOLONOID VALVE IN IT'S OPERATION AND LOCATIONS WHERE THE USE OF QUICK CLOSING VALVES ARE INVOLVED, PER THE RECOMMENDED METHODS OUTLINED BY THE PDI INSTITUTE AND APPLICABLE MANUFACTURERS.
- 2. PROVIDE 4" HIGH, POURED IN PLACE, SMOOTH FINISH, CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED WATER HEATERS AND EQUIPMENT REQUIRING HOUSEKEEPING PADS. PAD SHALL BE 4" LARGER THAN THE EQUIPMENT BASE, IN EACH DIRECTION. USE 3000 PSIG, 28 DAY COMPRESSIVE STRENGTH CONCRETE. ROUND OR CHAMFER ALL EDGES AND CORNERS OF THE CONCRETE PAD.
- PROVIDE BACKFLOW PREVENTERS WITH NECESSARY WALL REINFORCEMENT, WALL BRACKETS AND SUPPORTS, AN AIR GAP FITTING AND DRAIN LINE TO NEARBY FLOOR SINK OR FLOOR DRAIN. LOCATE BACKFLOW PREVENTER 24" - 48" ABOVE FINISHED FLOOR OR PER LOCAL UTILITY COMPANY WHERE MORE STRINGENT.
- 4. INSTALL THERMOMETERS IN ACCESSIBLE AND READABLE POSITIONS.

### FINISH NOTES:

- 1. WHERE PIPE INSULATION HAS BEEN REMOVED OR DAMAGED IN THE COURSE OF THIS PROJECT, THIS CONTRACTOR SHALL REPLACE WITH LIKE KIND; INCLUDING ANY AND ALL TAPE, WIRES, BANDS AND APPURTENANCES.
- 2. PROVIDE ALL FIRESTOPPING AND/OR ACOUSTICAL SEALANTS FOR PLUMBING PIPE PENETRATIONS THAT PENETRATE ACOUSTICAL RATED AND SMOKE AND FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES. ALL RATED PENETRATIONS SHALL BE ACOUSTICALLY SEALED AND /OR FIRESTOPPED TO ORIGINAL ASSEMBLY RATING. ALL NON-RATED FLOOR PENETRATIONS SHALL BE SEALED WATER TIGHT WITH A FLEXIBLE SEALANT.
- 3. CUT AND PATCH AND SLEEVE REQUIRED. FLOORS, WALLS AND SURFACES SHALL BE RETURNED TO ORIGINAL CONDITION WHERE PENETRATED OR DAMAGED. FINAL FINISHES SHALL BE THE RESPONSIBILITY OF GENERAL CONTRACTOR.
- 4. PATCH AND FLASH ROOF PLUMBING PENETRATIONS NOT SPECIFICALLY IDENTIFIED ON THE ARCHITECTURAL DRAWINGS. ALL PATCHING AND FLASHING SHALL BE PERFORMED IN A MANNER CONSISTENT WITH THE ROOF SYSTEM WARRANTY REQUIREMENTS.
- 5. PAINT ALL UNPAINTED/FERROUS FLOOR MOUNTED PLUMBING SUPPORTS, WITH A RUST INHIBITIVE PRIMER AND TWO COATS OF GRAY/BLACK ENAMEL OR ACRYLIC PAINT.
- PAINT ALL UNINSULATED/UNJACKETED PLUMBING PIPING EXPOSED TO OUTDOORS, INCLUDING PIPING COMPONENTS, VALVES, UNIONS, SUPPORTS AND ETC., WITH ONE COAT OF RUST INHIBITIVE PRIMER AND TWO COATS OF GLOSS ENAMEL OR ACRYLIC PAINT. SEE SPECIFICATIONS FOR ADDITIONAL PAINTING INFORMATION.
- 7. PLUMBING VENT THRU ROOF SHALL BE PAINTED WITH 1 COAT OF WATER BASED LATEX EXTERIOR PAINT, AND SHALL MATCH ROOF COLOR. EXCEPTION: WHERE ROOF IS BLACK IN COLOR, VENT PIPING SHALL BE PAINTED GREY.
- 8. ALL INTERIOR GAS PIPING SHALL BE PAINTED YELLOW AND LABELED WITH GAS PIPE LABELING EVERY 15'-30' (MAXIMUM), DIRECTIONAL CHANGE, OR TEE, WHICHEVER IS LEAST. EXTERIOR GAS PIPING, SUPPORTS AND TRIM SHALL BE PAINTED TO MATCH BUILDING WALL COLOR AND WALL SEALED AT PIPE PENETRATION WITH COLOR MATCHING FLEXIBLE SEALANT.
- 9. PROVIDE CEILING TILE MARKERS INDICATING THE LOCATION OF ABOVE CEILING PLUMBING VALVES.

![](_page_35_Figure_27.jpeg)

![](_page_36_Figure_1.jpeg)

3 4 5

![](_page_36_Figure_4.jpeg)

![](_page_37_Figure_0.jpeg)

![](_page_37_Figure_1.jpeg)

![](_page_37_Figure_2.jpeg)

![](_page_37_Figure_6.jpeg)

![](_page_38_Figure_3.jpeg)

![](_page_38_Figure_4.jpeg)

![](_page_39_Figure_0.jpeg)

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![](_page_39_Figure_3.jpeg)

![](_page_40_Figure_0.jpeg)

**P-502** 

### PLUMBING FIXTURE MATERIAL DESCRIPTION PLAN MARK DESCRIPTION MANUFACTURER FINISH MODEL MOLDED STONE STAINLESS STEE - CHROME S-1 UTILITY SINK,23x21.5x13 BASIN FIAT FL-1 WHB EXTERIOR FROST PROOF WALL HYDRANT WOODFORD B67

NOTES:

4

1. SEE SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.

2. PROVIDE A THERMOSTATIC MIXING VALVE IN THE HOT WATER SUPPLY TO UTILITY SINK, HOT WATER OUTLET TEMPERATURE SHALL NOT EXCEED 110° F. 3. PROVIDE 1.5 GPM, GOOSENECK FAUCET WITH LEVER HANDLES SIMILAR TO ZURN Z831C4-XL-ICT-17F, IN-LINE THERMOSTATIC MIXING VALVE SIMILAR TO POWER e480 SERIES, 1-1/2" P-

TRAP WITH CLEANOUT PLUG AND ENSURE SUPPLIES HAVE SCREWDRIVER STOPS. PROVIDE PREMOLDED VINYL JACKETING ON BOTH SUPPLY AND WASTE.

4. PROVIDE NON-REMOVABLE VACUUM BREAKER, MOUNT BOX FLUSH WITH EXTERIOR WALL.

	GAS-FIRED WATER HEATER SCHEDULE													
PLAN MARK	MANUFACTURER	MODEL NUMBER	ТҮРЕ	STORAGE CAPACITY (GAL)	GAS INPUT (BTU/H)	MINIMUM CAPACITY (GPH)	RECOVERY RATE @90° (GPH)	THERMAL EFF (%)	VOLT	РН	NOTES			
GWH-C	A.O. SMITH	BTX-80	VSC	50	76000	31	95	94	120	1	1, 2, 4. 5, 6. 7. 8. 9. 10, 11, 12, 13, 14			
GWH-1	A.O. SMITH	ACT-199I-N	TKL, POINT OF USE	-	199000	90	-	-	120	1	1, 3, 5, 8, 9, 10, 13, 15			
GWH-2	A.O. SMITH	ACT-199I-N	TKL, POINT OF USE	-	199000	90	-	-	120	1	1, 3, 5, 8, 9, 10,13, 15			
GWH-3	A.O. SMITH	ACT-199I-N	TKL, POINT OF USE	-	199000	90	-	-	120	1	1, 3, 5, 8, 9, 10,13, 15			
GWH-4	A.O. SMITH	ACT-199I-N	TKL, POINT OF USE	-	199000	90	-	-	120	1	1, 3, 5, 8, 9, 10,13, 15			
GWH-5	A.O. SMITH	ACT-199I-N	TKL, POINT OF USE	-	199000	90	-	-	120	1	1, 3, 5, 8, 9, 10,13, 15			
GWH-6	A.O. SMITH	ACT-199I-N	TKL, POINT OF	-	199000	90	-	-	120	1	1, 3, 5, 8, 9, 10,13, 15			
<ol> <li>CHERMO</li> <li>THERMO</li> <li>SET WA</li> <li>DIAGNO</li> <li>SYSTEM TEMPEF</li> <li>SYSTEM</li> <li>THERMA</li> <li>HEATER</li> <li>LINE ST.</li> <li>WITH SL</li> <li>ALL HOT</li> <li>COLD AI</li> <li>PROVID</li> <li>DETAILS</li> <li>THROUD</li> <li>SIESMIC</li> <li>PROVID</li> <li>INFORM</li> <li>PROVID</li> <li>WATER</li> <li>INSTALL</li> <li>PROVID</li> </ol>	DMETER INTEGRAL TC TER TEMPERATURE T STIC CONTROL PANEI BASED UPON 52°F EI ATURE. BASED UPON 52°F EI ATURE. BASED UPON 52°F EI EXPANSION TANK S BETWEEN TANK CON ATIC PRESSURE, PRIC IPPORT INDEPENDEN AND COLD WATER PIPIN CON DRAWING. (NOTI BON DRAWING. (NOTI BO	DIAGNOSTIC D O DIAGNOSTIC D O 110°F. L W/ EMS INTER NTERING WATEI SIMILAR TO AMT NECTION AND DR TO INSTALLIN T OF COLD WAT IPING CONNECT G SHALL RECEIN ICAL COMBUSTI E: PVC PIPE ANE NUM SPACE.). OR TANK AND W NG FROM WATEI HOT WATER OL RUCTING HOT N ACE CONCRETE	ISPLAY. SET WATE FACE AND EVENIN R TEMPERATURE, R TEMPERATURE, R TEMPERATURE A ROL #ST-5-C. INST ISOLATION VALVE. NG EXPANSION TAI ER PIPING. IONS TO THE EQU (E 1" INSULATION. ON AIR/FLUE OUTL O COMPONENTS TO ATER HEATING BO R HEATER AND UP ITLET SIDE OF WA NATER FLOW. HOUSEKEEPING F	ER TEMPERATURE TO 140 G/WEEKEND SETBACK FE 140°F STORAGE TEMPER AND 110°DISCHARGE TEM FALL EXPANSION TANK OI PRE-CHARGE TANK TO E NK IN SYSTEM. HORIZON IPMENT SHALL INCLUDE LET. PIPE AND FITTINGS T D BE WRAPPED IN PLENU DILER TO CONCRETE FLO THROUGH ROOF. SEE ME TER HEATER. THERMOME PAD.	°F. ATURE. ATURE, AND 130 PERATURE. N COLD WATER I GUAL THE REGU FALLY MOUNTED THE USE OF BAL O BE UL 1738, SO M/FIRE WRAP IN OR DECK. ECHANICAL DRAV	°F CIRCULATION NLET SIDE OF WATER JLATED WATER SERVICE TANKS SHALL BE PROVIDED L TYPE SERVICE VALVES. OLID WALL SCH. 40 PVC . SEE SULATION WHERE ROUTED WINGS FOR ADDITIONAL ULD TO BE WITHIN HOT	VSC - VERTICAL SELF- STORAGE TKL - TANKLESS DIA DIAMETER EA - EACH SIMUL - SIMULTANEOU OPERATION	CONTAINED						

# DRAIN AND CLEANOUT SCHEDULE

		MATERIAL DESCRIPTION							
PLAN MARK	DESCRIPTION	DRAIN BODY	STRAINER/GRATE SIZE	WAS					
CO	CLEAN OUT	CAST IRON	NICKEL BRONZE	SEE PI					
FD	FLOOR DRAIN	EPOXY COATED CAST IRON	NICKEL BRONZE	3					
GCO	GRADE CLEAN OUT	CAST IRON	CAST IRON	SEE PI					

NOTES: 1. PROVIDE SEWER EMISSIONS INSERT IN FLOOR DRAIN AND FLOOR SINK OUTLETS, SEE SPECIFICATIONS FOR ADDITIONAL SEWER EMISSION INSERT INFORMATION. INSTALL PER INSERT MFR'S INSTALLATION INSTRUCTIONS.

![](_page_41_Picture_25.jpeg)

E	E SCHEDULE											
	ADA	MOUNTING	MOUNTING		NOTES							
	COMPLIANT	WOONTING	HEIGHT (IN)	WASTE	VENT	COLD WATER	HOT WATER	NOTES				
EL	YES	FLOOR	-	1-1/2	1-1/2	1/2"	1/2	1, 2, 3				
	YES	WALL	28	-	-	3/4"	-	1, 4				

JGH-IN PI	PE SIZE	
ΤE	VENT	NOTES
ANS		1, 2
	1-1/2	1, 3
ANS	-	1, 2

NOTES 975XL3 SEE NOTES.

![](_page_41_Figure_31.jpeg)

![](_page_42_Figure_0.jpeg)

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![](_page_43_Figure_0.jpeg)

ack Doce-//JHLIE. Torro Hautta Bordional Airroot. Bredioets Huh/10010668. West Qued & Huit Boy Hannar. ME

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![](_page_44_Figure_0.jpeg)

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3		4			5
		GENERAL MECHAI	NICAL SYMBOLS		HVAC SYMBOLS
Y TO COORDINATE SERVICE ACCESS	SPACE FOR ALL EQUIPMENT	REVISION NUMBER - SHOWN ON PLANS	POINT WHERE NEW CONNECTS TO EXI	N ISTING	16X8 RECTANGULAR DUCT SIZE TA
ER CLEARANCES FOR EQUIPMENT M. D AND THAT SHOWN ON THE DRAWIN	AINTENANCE AND	KEYNOTE #		IL ON SHEET	16/8 OVAL DUCT SIZE TAG (WIDTH
IG, DUCTWORK, EQUIPMENT PADS, C IALL NOT BE USED TO TEMPORARILY	ONDUIT ETC. HEAT, COOL OR	PIPE BREAK SYMBOL	NUMBER OF SHEET DETAIL APPEARS	T WHERE	
ITY PERIOD SHALL NOT BEGIN UNTIL VNER OF ANY ADDITIONAL CHARGES	SUBSTANTIAL COMPLETION.	THERMOSTAT T	ROOM ROOM NAME AN	ND NUMBER	
					VENTILATION AIR VA EA
SIZE AND EQUIPMENT MOUNTING REC	QUIREMENTS WITH ALL	SWITCH (S)	ITEM TO BE DEM	MOLISHED	
ISTRUCTION. REFER TO FINAL EQUIP QUIPMENT SIZES AND MOUNTING RE IERF INDICATED.	MENT SHOP DRAWINGS QUIREMENTS. PROVIDE	CARBON DIOXIDE SENSOR C		ONTRACT	DUCTWORK SYMBOLS LEGEND
MENTS FOR ANCHOR BOLT TYPE, SIZ	ZE, EMBEDMENT, HOLE SIZE,	EQUIPMENT TAG MARK-###	MARK-### EXISTING EQUIP	PMENT TAG	DROP
		AIR DEVICE TAG 100			DROP 🛛 🔯 ROUND SUPPLY/OUTSIDE AIR
		MECHANICAL PIF	PING SYMBOLS		DROP
SHALL BE PAINTED WITHIN INTERIOR FIL ACRYLIC PAINT. COLOR AND FINISH	OF RUST INHIBITIVE TO BE SELECTED BY THE	CONDENSATE DRAINAGE CD		ATER RETURN	DROP
DUCTWORK, AND CONDUIT, INTERIO	R, FINISHED SPACE: IT LOCATED WITHIN	STEAM CONDENSATE RETURN COR	HWS	ATER SUPPLY	DROP
Y THE GENERAL BUILDING POPULATI	ION, SHALL BE PAINTED R ACRYLIC PAINT. COLOR	CHILLED WATER SUPPLY CHS	PG		DROP 🛛 🚺 ROUND EXHAUST/RELIEF AIR
;HITECT. <u>:RIOR, FINISHED SPACE:</u> EXPOSED, IN FINISHED SPACES, VIEWABLE BY THE	ISULATED PIPING AND GENERAL BUILDING	CONDENSER WATER RETURN CONDENSER WATER SUPPLY CWS	-REF-L - REFRIGERANT-LI		STANDARD RECTANGULAR ELBOW
VO COATS OF LATEX PAINT. COLOR A	AND FINISH TO BE	DUAL TEMPERATURE RETURN  DTR	-REF-HG REFRIGERANT-H STM STEAM	IOT GAS	RADIUS RECTANGULAR ELBOW
		PIPE SIZE TAG (DIAMETER) 2"	ABOVE GROUND	) PIPING	
TON LABELS ON ALL EQUIPMENT SCH E CONSISTENT WITH THE PLANMARK NTERFACE. SEE DETAILS ON DRAWIN	IEDULED ON THE KS SHOWN ON THE IGS REGARDING COLOR,	EXISTING PIPE $2$ (E) $2$ (E) $2$ PIPING BEING DEMOLISHED $2$ $    -$		) PIPING	RECTANGULAR BRANCH TAKEOFF
ION LABELS ON ALL TEMPERATURE ( IS, CONTROL PANELS, TEMPERATURE ILL BE CONSISTENT WITH THE PLANM	CONTROL COMPONENTS E SENSORS, HUMIDITY IARKS SHOWN ON THE			UG	ROUND TAKEOFF WITH DAMPER
SAS SYSTEM USER INTERFACE. SEE L ETC. . PIPING SYSTEMS. SEE DETAILS ON I	DRAWINGS REGARDING	PIPE RISE PIPE TEE	4" RE	EDUCING 45 EGREE TEE	DUCT ACCESSORIES
N OUTDOOR EQUIPMENT SHALL BE FI OR STAINLESS STEEL OR PLATED SC	IXED TO EQUIPMENT WITH REWS.	CAPPED PIPE PIPE DROP	45	DEGREE TEE	
) AFFIXING ADHESIVE TYPE LABELS A	ND SIGNS.	HVAC DESIGI	N CRITERIA		
		GENERAL DESIGN INFORMATION			GRAVITY DAMPER 😅 SECUR
		BUILDING LOCATION: TERRE HAUTE, IN ELEVATION: 591'			
			OUTDOOR DESIGN C	CONDITIONS	AIR DEVICE LEGEND
		INDOOR SUMMER DRY BULB: 75°F INDOOR SUMMER RELATIVE HUMIDITY: 50% INDOOR WINTER DRY BULB: 65°F	SUMMER DRY BULB: SUMMER WET BULB: WINTER DRY BULB:	91.8°F 76.4°F 1.1°F	*SUPPLY DIFFUSER (HARD CONNECTION)
			NIROLLED		RETURN GRILLE (HARD CONNECTION)
					EXHAUST GRILLE (HARD CONNECTION)
					*NOTE: NO ARROWS INDICATES DIFFUSER HAS 4-W IF ARROWS ARE SHOWN, THROW IS AS INDIC
					$ \begin{array}{c} \text{ONE-WAY} & \text{TWO-WAY} \\ \hline \square & & - \boxed{\square} & \hline & & \\ \downarrow & & \downarrow \end{array} $
					MECHANICAL EQUIPMENT ABBREVIA
					AC AIR CONDITIONING UNIT FCU FAN ACC AIR COOLED CONDENSER GRV GR/
					ACCUAIR COOLING CONDENSING UNITHRUHEAAHUAIR HANDLING UNITHVUHEAASAIR SEPARATORHWBHOTBSTEAM BOILERHWPHEACHCHILLERHXHEA
					CHP CHILLED WATER PUMP ODU OUT CRP CONDENSATE RETURN PUMP RF RET CT COOLING TOWER RTU RO(
					CUH CABINET UNIT HEATER SF SUP CWP CONDENSER WATER PUMP UH UNI DTP DUAL TEMPERATURE PUMP
					EDC ELECTRIC DUCT COIL VAV VAV EF EXHAUST FAN EUH ELE
					ETEXPANSION TANKHVLSHIGFFURNACEGUHGAS

6				7	_		
		MECHANICAL ABI	BREVIA	TIONS			
TAG (WIDTH x HEIGHT)	Ø A	ROUND AMPS	ILC IN	INLINE CENTRIFUGAL FAN INCH			
rh / Height)	ABV ACR	ABUVE AIR CONDITIONING ACR COPPER REFRIG PIPE	INV LAT I R	LEAVING AIR TEMPERATURE		<b>VV</b> ARCH	
	AD ADD	AREA DRAIN ADDENDIJM	LB LB/HR LDB	POUND POUNDS PER HOUR LEAVING DRY BUI B TEMPERATURE			4454 IDEA CENTER BOULEVARD DAYTON, OH 45430-1500
	AFF	ABOVE FINISHED FLOOR	LP	LIQUID PROPANE			937.461.5660
DUCT BEING DEMOLISHED	ALT	ALTERNATE	LPS LVR	LOW PRESSURE STEAM			
RETURN AIR	AP APD	ACCESS PANEL AIR PRESSURE DROP	LWB	LEAVING WET BULB TEMPERATURE	E		
EXHAUST / RELIEF AIR	ARCH ASJ	ARCHITECT/ARCHITECTURAL ALL SERVICE INSULATION JACKET	M	MOTORIZED MIXED AIR			CHRISTOPHER
TRANSFER AIR	BAS BDD	BUILDING AUTOMATION SYSTEM BACKDRAFT DAMPER	MAT MAX	MATERIAL MAXIMUM			E PE12400032
	BFF BHP	BELOW FINISHED FLOOR BRAKE HORSEPOWER	MBH MC	ONE THOUSAND BTU PER HOUR MECHANICAL CONTRACTOR			
	BLW BOD	BELOW BOTTOM OF DUCT	MCA MCF	MINIMUM CIRCUIT AMPS ONE THOUSAND CUBIC FEET			PRO WDIANA
	BOP BR	BOTTOM OF PIPE BRAZED	MD MECH	MANUAL DAMPER MECHANICAL			MINING STONAL ENGINE
IR DUCT RISE	BTU BTUH	BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR	MFF MFR	MATT FACED FIBERGLASS MANUFACTURER			Stephen Schiber
ANSFER AIR DUCT RISE	C-AL CAL	CORRUGATED ALUMINUM CALCIUM SILICATE INSULATION	MI MIN	MALLEABLE IRON MINIMUM			10/18/2024
AIR DUCT RISE	CAP CCP	CAPACITY CALCIUM CARBONATE POWDER	MISC MTR	MISCELLANEOUS MOTOR			
ELIEF AIR DUCT RISE	CF CFM	CUBIC FEET CUBIC FEET PER MINUTE	MUA NC	MAKE-UP/AIR NOISE CRITERIA			
	CHW CI	CHILLED WATER CAST IRON	NC NIC	NORMALLY CLOSED NOT IN CONTRACT			
IN DUCT KIZE	CL CLG	CENTERLINE CEILING	NO NO	NUMBER NORMALLY OPEN			
GULAR TRANSITION	CLP CMC	CENTERLINE OF PIPE CEILING MOUNTED CENTRIFUGAL FAN	NTS O	NOT TO SCALE OXYGEN			
	CO CONC	CLEAN OUT CONCRETE	OA OBD	OUTSIDE AIR OPPOSED BLADE DAMPER			
GULAR TO KOUND TRANSITION	CPVC CS	CHLORINATED PVC CARBON STEEL	O.C. PC	ON CENTER PLUMBING CONTRACTOR			
TRANSITION	CU CW	COPPER COLD WATER	PD PGGS	PRESSURE DROP PAINT GRIP GALVANIZED STEEL			
	CW D	CONDENSER WATER DEGREE	PLBG PP	PLUMBING POLYPROPYLENE			
GULAR TO ROUND TAKEOFF	D DB	DRAIN DECIBEL	PPM PS	PARTS PER MILLION PRESSURE SEAL			
	DB DCW	DRY BULB DOMESTIC COLD WATER	PRV PS	PRESSURE REGULATING VALVE PRESSURE SEAL		ш	
WYE	DDC DHW	DIRECT DIGITAL CONTROLS DOMESTIC HOT WATER	PS PSI	PRESSURE SENSOR POUNDS PER SQUARE INCH		DUL	
	DIA DN	DIAMETER DOWN	PSIG PVC	POUNDS PER SQUARE INCH GAUGE POLYVINYL CHLORIDE			
JAL OPPOSED/PARALLEL	DS DT	DUCT SILENCER (SOUND ATTENUATOR) DUAL TEMPERATURE	PVCGS PWR	PVC COATED GALVANIZED STEEL POWER		CE S SCRIF	
E DAMPER	E-AL EA	EMBOSSED ALUMINUM EACH	RA RC	RETURN AIR ROOM CRITERIA LEVEL		UAN	
ORIZED OPPOSED/PARALLEL E DAMPER	EA EAT	EXHAUST AIR ENTERING AIR TEMPERATURE	RCP RD	RADIANT CEILING PANEL ROOF DRAIN		ISS	
	EC EDB	ELECTRICAL CONTRACTOR ENTERING DRY BULB TEMPERATURE	REC RECT	RECESSED RECTANGULAR		Ë	
JRITY BARS	ELEC EQUIP	ELECTRICAL EQUIPMENT	RED REFRIG	REDUCER REFRIGERANT		DA	
ISFER AIR OPENING	EWB	ENTERING WET BULB TEMPERATURE ENTERING WATER TEMPERATURE	RH RLA	RELATIVE HUMIDITY RELIEF AIR		ER	
	EXH EXIST		RM RMC	ROOM ROOF MOUNTED CENTRIFUGAL FAN			
SIDEWALL SUPPLY	F FD	FLOOR DRAIN	RMP RPM	ROOF MOUNTED PROPELLER FAN REVOLUTIONS PER MINUTE			
GRILLE	FD FFJ		RV S	RELIEF VALVE SWITCH	С		
SIDEWALL RETURN	FGB	FIBERGLASS FIBERGLASS BOARD INSULATION	SA SC	SUPPLY AIR SENSIBLE CAPACITY			AIRPORT
	FL	FIDERGLASS WRAF FLOOR FULL LOAD AMPS	SCR	SCREWED (THREADED)			7F
LINEAR SLOT DIFFUSER	FLG	FLANGE	SF	SQUARE FOOT			
ITH //PER	FMG	FOAM GLASS FUEL OII	SO SP	SHUT OFF VALVE TERMINAL STATIC PRESSURE			$\sim$
	FOV	FUEL OIL VENT FUEL OIL RETURN	SQ SS	SQUARE STAINLESS STEEL			<b>D</b> <sup><sup>1</sup></sup>
WAY THROW. ICATED.	FOS FPM	FUEL OIL SUPPLY FEET PER MINUTE	STM SW	STEAM SWEAT CONNECTION			<b>A</b>
THREE-WAY	FPP FPS	FAN POWERED PARALLEL VAV FAN POWERED SERIES VAV	SWLD T	SOLVENT WELD THERMOSTAT			$\mathbf{\Sigma}$
<b>□</b>	FS FT	FLOW SWITCH FOOT/FEET	TC TD	TOTAL CAPACITY TEMPERATURE DROP			
ļ	FTR FW	FIN TUBE RADIATION FEED WATER	TEMP TH	TEMPERATURE THICKNESS			<b>▼</b> K
ATIONS	GA GAL	GAGE (GAUGE) GALLON	THRD TOD	THREADED TOP OF DUCT			
N COIL UNIT RAVITY ROOF VENTILATOR	GALV GC	GALVANIZED GENERAL CONTRACTOR	TOJ TOS	TOP OF JOIST TOP OF STEEL			F₹
AT RECOVERY UNIT ATING/VENTILATING UNIT	GPH GPM	GALLONS PER HOUR GALLONS PER MINUTE	TS T/S	TEMPERATURE SENSOR PIPE TYPE OR SCHEDULE			
DT WATER BOILER EATING WATER PUMP	GRV GS	GROOVED PIPE GALVANIZED STEEL	TYP UBC	TYPICAL UPBLAST CENTRIFUGAL FAN			
AT EXCHANGER JTDOOR UNIT	H HC	HUMIDIFIER (HUMIDITY) HEATING CONTRACTOR	UC V	FLEXIBLE UNICELLULAR VOLTS			
TURN/RELIEF FAN DOFTOP UNIT	HF HP	HEAT FUSION HORSE POWER	VAV VC	VARIABLE AIR VOLUME VENTILATING CONTRACTOR	<sup>B</sup>		
IPPLY FAN IIT HEATER	HPS HS	HIGH PRESSURE STEAM HUMIDITY SENSOR	VENT WB	VENTILATION WET BULB			0505
IIT VENTILATOR V TERMINAL UNIT	HTG HTR	HEATING HEATER	WCS WCU	WROUGHT CARBON STEEL WROUGHT COPPER			2- 2- 2
ECTRIC UNIT HEATER GH VOLUME LOW SPEED	HW HYD	HEATING HOT WATER HYDRANT	WLD WMP	WELDED CONNECTION WALL MOUNTED PROPELLER FAN			
AS UNIT HEATER	ID	INDIRECT	WPD WT	WATER PRESSURE DROP WEIGHT (OR DENSITY)			
	1						
						11	Airpo aute,
]			<b>.</b>		ı  —	UF	
		<u>* NOTE</u> THE SYMBOLS AND ABBREVIATIONS SHO	<u>.</u> WN ON TI	HIS SHEET MAY OR MAY		T	

<u>\* NOTE \*</u> THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

SHEET NO: M-001

PROJECT NO:

DATE ISSUED:

DESIGNED BY:

CHECKED BY:

<u>SHEET NAME:</u> MECHANICAL PROJECT

NOTES AND LEGENDS

DRAWN BY:

10019658

ELR

ELR MCB

10/18/2024

![](_page_46_Figure_0.jpeg)

desk Docs://HUF -Terre Haute Regional Airport -Projects Hub/10019658\_West Quad 6 Unit Box Hangar\_MEP\_R23.nt

![](_page_47_Figure_0.jpeg)

![](_page_47_Picture_1.jpeg)

![](_page_47_Picture_3.jpeg)

![](_page_47_Picture_6.jpeg)

![](_page_47_Figure_10.jpeg)

NOTE: PROVIDE GUY WIRES AND SAFETY CABLES (TYP 4) AND ATTACH TO STRUCTURE PER MANUFACTURER'S INSTRUCTIONS

![](_page_47_Figure_12.jpeg)

ELECTR PLAN MFR. MODEL AREA SERVED MARK EUH-1 104 - MECHANICAL ROOM REZNOR EHA EUH-2 108 - FUTURE EHA 
 WALL MOUNTED
 160
 2.0
 1
 6.8
 240
 1
 60
 9.6
 REZNOR NOTES:

I. INTERNAL TAMPERPROOF DOUBLE-POLE THERMOSTAT/CIRCUIT BREAKER DISCONNECT 2. THERMAL OVERLOAD CUT OUT

LOUVERED GRILLE COVER
 RECESSED WALL MOUNT

	GAS UNIT HEATER SCHEDULE																
					F/	AN	HEATING CAPACITIES			ELECTRICAL					FQUIP.		
PLAN				THROW			FUEL	EFF.	GAS	MBH						WEIGHT	
MARK	AREA SERVED	MFR.	MODEL	(FT)	CFM	HP	*	%	INPUT	OUTPUT	VOLTS	PH	HZ	FLA	MCA	(LBS)	NOTES
GUH-1	101 - HANGAR BAY	REZNOR	UDXC-200	28.5	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-2	101 - HANGAR BAY	REZNOR	UDXC-200	27.0	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-3	102 - HANGAR BAY	REZNOR	UDXC-200	28.5	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-4	102 - HANGAR BAY	REZNOR	UDXC-200	27.0	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-5	103 - HANGAR BAY	REZNOR	UDXC-200	28.5	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-6	103 - HANGAR BAY	REZNOR	UDXC-200	27.0	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-7	105 - HANGAR BAY (ALT #1)	REZNOR	UDXC-200	28.5	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-8	105 - HANGAR BAY (ALT #1)	REZNOR	UDXC-200	27.0	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-9	106 - HANGAR BAY (ALT #1)	REZNOR	UDXC-200	28.5	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-10	106 - HANGAR BAY (ALT #1)	REZNOR	UDXC-200	27.0	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-11	107 - HANGAR BAY (ALT #1)	REZNOR	UDXC-200	28.5	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3
GUH-12	107 - HANGAR BAY (ALT #1)	REZNOR	UDXC-200	27.0	2560	0.17	NG	83	200.0	166.0	120	1	60	4.6	15.0	195	1,2,3

NOTES:

. VERTICAL COMBUSTION AIR/VENT KIT WITH CONCENTRIC ADAPTER. THERMOSTAT WITH MANUAL SUMMER/WINTER SWITCH FOR SUMMER FAN OPERATION

3. DOWNTURN NOZZLE, 25°TO 65° VARIABLE AIR DEFLECTION RANGE

	HIGH VOLUME LOW SPEED FAN SCHEDULE												
PLAN MARK	AREA SERVED	MFR.	MODEL	BLADE DIA. (FT)	RPM	QTY OF AIRFOILS	HP	ELE VOLTS	CTRIC/ PH	AL HZ	SOUND (dBA)	WEIGHT (LBS)	NOTES
HVLS-1	101 - HANGAR BAY	BIG ASS FAN	ESSENCE	14	56	6	0.33	120	1	60	<35	96	1,2,3,4
HVLS-2	102 - HANGAR BAY	BIG ASS FAN	ESSENCE	14	56	6	0.33	120	1	60	<35	96	1,2,3,4
HVLS-3	103 - HANGAR BAY	BIG ASS FAN	ESSENCE	14	56	6	0.33	120	1	60	<35	96	1,2,3,4
HVLS-4	105 - HANGAR BAY (ALT #1)	BIG ASS FAN	ESSENCE	14	56	6	0.00	120	1	60	<35	96	1,2,3,4
HVLS-5	106 - HANGAR BAY (ALT #1)	BIG ASS FAN	ESSENCE	14	56	6	0.00	120	1	60	<35	96	1,2,3,4
HVLS-6	107 - HANGAR BAY (ALT #1)	<b>BIG ASS FAN</b>	ESSENCE	14	56	6	0.00	120	1	60	<35	96	1,2,3,4
NOTES													

### NOTES:

. FACTORY PROGRAMMED VFD PRE-WIRED TO MOTOR. 2. WALL-MOUNTED CONTROLLER TO PROVIDE FAN START/STOP, SPEED, AND DIRECTION CONTROL FUNCTIONS.

. ALUMINUM BLADES WITH BRUSHED ALUMINUM FINISH. 4. MOUNTING KIT AS DETERMINED BY CONTRACTOR.

NOTES

1,2,3,4

1,2,3,4

24

<b>RIC UNI</b>	RIC UNIT HEATER SCHEDULE													
					ELECTRICAL OPER. WEI									
TYPE	CFM	KW	STEPS	MBH	VOLT	PH	HZ	FLA (MCA)	(LBS)					
WALL MOUNTED	160	2.0	1	6.8	240	1	60	9.6	24					

![](_page_47_Figure_34.jpeg)

M-501

1	1 2		3	4	1	5	1
	LIGHTING	ABBREVIATIONS	GENERAL NOTES:		LIGHTING & POWEF	R NOTES:	
	2'x4' LIGHT FIXTURE SHADING DENOTES EMERGENCY OPERATIO	1P 1 POLE (2P, 3P, 4P, ETC.) N A AMPERE	1. INSTALL ELECTRICAL SYSTEM IN ACCORDA LATEST LOCALLY ADOPTED N.E.C. AND ITS	NCE WITH ALL STATE CODES, LOCAL CODES AND THE APPENDICES, UNLESS OTHERWISE DIRECTED	1. LIGHT FIXTURES DES WITH EMERGENCY D	SIGNATED AS "EMERGENCY LIGHTS" SHALL BE SWITCHED AND PROVIDED DRIVER ON UNSWITCHED CIRCUIT (SAME CIRCUIT AS SWITCH LEG), UNLESS	COORDINATE MOUNTI
		AC AIR CONDITIONER AF AMP FRAME	SPECIFICALLY BY THESE PLANS.		NOTED.		1. RECEPTACLES M
	EXTERIOR WALL PACK	AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE	2. FOR CLARITY, THE QUANTITY OF BRANCH C CONTRACTOR SHALL BE RESPONSIBLE FOR	RCUIT CONDUCTORS ARE NOT SHOWN. R PROVIDING ALL BRANCH CIRCUITRY. RECORD AS-	2. EXIT LIGHTS SHALL E		2. SWITCHES MOUN
		AFI ARC FAULT CIRCUIT INTERRUPTER AHU AIR HANDLING UNIT	REQUESTED BY ENGINEER.	INGS FOR ENGINEER VERIFICATION WHEN	UNLESS NOTED.	INCIGNTS MOUNTED IN GRID CEILING SHALL BE CENTERED IN CEILING HLE,	ARCHITECTURAL
	CEILING MOUNTED EXIT SIGN	APPX APPROXIMATELY ARCH ARCHITECT, ARCHITECTURAL	3. REFER TO ARCHITECTURAL SHEETS FOR A	L FIRE-RATED PARTITION LOCATIONS AND RATINGS.	4. VERIFY CEILING TYP APPROPRIATE TYPE	ES PER THE ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE FIXTURE, LAY-IN FOR GRID, FLANGE FOR DRYWALL, ETC.	
	H → WALL MOUNTED EXIT SIGN	AT AMP TRIP ATS AUTOMATIC TRANSFER SWITCH	4. CONTRACTOR SHALL PROVIDE ALL FIREST PENETRATE ACOUSTICAL RATED OR SMOK	OPPING FOR CONDUIT PENETRATIONS THAT E AND FIRE RATED ASSEMBLIES. SEE	5. IN ALL MECHANICAL	ROOMS COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH HVAC AND	
		AUX AUXILIARY AV AUDIO VISUAL	ARCHITECTURAL DRAWINGS FOR LOCATION PENETRATIONS SHALL BE FIRESTOPPED TO	IS OF ALL RATED ASSEMBLIES. ALL RATED ORIGINAL ASSEMBLY RATING. ALL NON-RATED			
		AWG AMERICAN WIRE GAUGE BLDG BUILDING				BRANCH CIRCUITRY ARE #12 AWG MINIMUM, UNLESS NOTED.	
	$A_{\underline{x'}-\underline{x''}}$ LIGHT FIXTURE CALLOUT	C CONDUIT CATV CABLE TELEVISION	CONTRACTOR FOR THE INSTALLATION OF A	APPROPRIATE SLEEVES. ELECTRICAL CONTRACTOR QUIRED FOR INSTALLATION OF ELECTRICAL WORK.	8. ALL WIRING SHALL E	BE INSTALLED IN 3/4" CONDUIT, MINIMUM, UNLESS NOTED OTHERWISE.	
	DENOTES MOUNTING HEIGHT	CB CIRCUIT BREAKER CCTV CLOSED CIRCUIT TELEVISION	6. VERIFY AND COORDINATE MOUNTING HEIG	HTS AND LOCATIONS OF ALL DEVICES MOUNTED IN	CONDUIT SHALL BE (	CONCEALED IN CEILING OR WALLS WHEREVER POSSIBLE.	
	↔ SINGLE POLE SWITCH	CKT CIRCUIT CLG CEILING	CASEWORK OR ABOVE COUNTERS WITH SF SHALL COORDINATE EXACT HEIGHT OF DEV	ECIFIC EQUIPMENT FURNISHED. CONTRACTOR (ICES DESIGNED AS OVER COUNTER WITH CASE	9. ALL UNDERGROUND UNDERGROUND PVC	CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE. C CONDUITS SHALL HAVE RIGID GALVANIZED STEEL ELBOWS.	
	→ 3-WAY SWITCH	CP CIRCULATING PUMP CT CURRENT TRANSFORMER	WORK AND FURNITURE DRAWINGS. ROUTH CABINETRIES, ETC. SHALL BE COORDINATE	NG OF CIRCUITRY INSTALLED IN CASEWORK, D FOR PROPER CONCEALMENT AND FUNCTION OF	10. PROVIDE A GREEN C	GROUND CONDUCTOR IN ALL BRANCH CIRCUITRY. REFER TO SPECS FOR	
		CIR CENTER CU COPPER DET DETAIL	7 VERIEV THE LOCATION OF ALL LITILITIES PE	IOR TO EXCAVATION TRENCHING OR DRILLING	PERMITTED.	CONDUCTOR TIPES. GROUNDING BY MEANS OF RACEWAT SHALL NOT BE	
		DISC DISCONNECT DIST DISTRIBUTION	8. ON ALL ELECTRICAL TRENCHING, THE ELEC	TRICAL CONTRACTOR SHALL REVISIT SITE IN 6	11. PROVIDE A DEDICAT NEUTRALS SHALL N	ED NEUTRAL CONDUCTOR FOR ALL SINGLE POLE CIRCUITS. SHARING OF OT BE PERMITTED.	
	$\begin{array}{c} \bigcirc & \bigcirc $	DS DISCONNECT SWITCH DT DOUBLE THROW	MONTHS AND CHECK TRENCHES FOR SETT SHALL BE DONE FOR PROPER GRADE LEVE	LEMENT. ADDITIONAL BACKFILL AND RE-SEEDING LING. THE ELECTRICAL CONTRACTOR SHALL BEAR	12. ALL CONDUIT DROPS	S FOR PLENUM RATED CABLES SHALL BE PROVIDED WITH A CONDUIT	
	GROUND FAULT PROTECTED DUPLEX RECEPT.	EC ELECTRICAL CONTRACTOR EF EXHAUST FAN	ALL COSTS.		BUSHING ABOVE THE	E CEILING.	
		ELEV ELEVATOR EM EMERGENCY	9. IN THE SPACE ABOVE THE CEILING USED AS CONTRACTOR SHALL INSURE THAT ALL ELE	CTRICAL WIRING, CABLES, BUSHINGS AND CABLE	13. WHERE TERMINATED CIRCUIT NUMBER.	D IN A J-BOX ALL SPARE CIRCUITRY SHALL BE LABELED WITH PANEL AND	
	J     JUNCTION BOX       • •     PUSH BUTTON	EWT ELECTRICAL METALLIC TUBING EWC ELECTRIC WATER COOLER	10. THE ELECTRICAL CONTRACTOR SHALL PRO	VIDE ALL ACCESS PANELS REQUIRED FOR	14. COORDINATE ELECT	RICAL REQUIREMENTS FOR NEW WORK WITH THE PLUMBING AND RACTORS, VERIEY VOLTAGE, PHASE AND ACCESSORY REQUIREMENTS, SUCH	
	$\stackrel{\text{M}}{\leftrightarrow} \text{MOTOR RATED TOGGLE SWITCH}$	FACP FIRE ALARM CONTROL PANEL FCU FAN COIL UNIT	ELECTRICAL WORK.		AS MOTOR STARTER RELAY, ETC. IN MOT	RS AND DISCONNECTS. PROVIDE ALL NECESSARY AUXILIARY CONTACTS, OR STARTERS FOR REQUIRED CONTROL OF MECHANICAL EQUIPMENT.	
		FLR FLOOR GA GAUGE	11. CONTRACTOR SHALL PERFORM ALL CUTTIN OPENINGS IN WALLS, FLOORS AND CEILING	IG AND PATCHING AS REQUIRED FOR HIS WORK. S SHALL BE FILLED IN, PATCHED, PAINTED AND	15. ALL LIGHT FIXTURES	ARE TO BE SUPPORTED BY SUPPORT WIRES DIRECTLY FROM STRUCTURE	
		GALV GALVANIZED GC GENERAL CONTRACTOR		LITY OF THE EXISTING AREA.	ABOVE AND NOT FRO	OM CEILING GRID SUPPORTS. CONDUIT AND CIRCUITRY TO BE SUPPORTED D NOT FROM LIGHT FIXTURE SUPPORT WIRES.	
		GEN GENERATOR GFI GROUND FAULT CIRCUIT INTERRUPTER	PAINTING OF CONDUIT IS TO BE BY THE ELI	ECTRICAL CONTRACTOR.	16. DO NOT SUPPORT C	ONDUIT OFF OF CEILING GRID, CEILING GRID SUPPORTS, MECHANICAL	
		GR GENERAL PURPOSE RECEPTACLE GRS GAI VANIZED RIGID STEEL (CONDUIT)	13. ELECTRICAL CONTRACTOR SHALL BE RESP BOXES, PULL BOXES, ETC. FOR A COMPLET	ONSIBLE FOR PROVIDING ALL REQUIRED JUNCTION E INSTALLATION PER THE N.E.C. AND LOCAL CODES.	SUPPORTS FROM BA	AR JOIST OR STRUCTURE.	
		HP HORSEPOWER HT HEIGHT	14. ALL CONDUCTORS AND EQUIPMENT LUGS S	HALL BE RATED FOR 75 DEGREE CELSIUS MINIMUM.	17. DO NOT SUPPORT EL SUPPORT FROM COI	LECTRICAL EQUIPMENT AND DEVICES FROM METAL ROOF DECK. PROVIDE NCRETE SLABS, BAR JOISTS, STRUCTURAL BEAMS, COLUMNS OR UNISTRUT	
	ONE-LINE SYMBOLS	HWB HOT WATER BOILER HWP HOT WATER PUMP	15. ALL ITEMS INCLUDED ON THESE DRAWINGS	AND THE SPECIFICATIONS SHALL BE INCLUDED IN		RAL ELEMENTS.	
	Panel Name	IG ISOLATED GROUND LTG LIGHTING	CONTRACTORS BID. ANY TEMS THAT CONTRACTOR SHALL BE BROUGHT TO THE 7 CALENDAR DAYS PRIOR TO THE BID DUE	ARE UNCLEAR OR FOUND TO BE INCORRECT BY THE ATTENTION OF THE ARCHITECT/ENGINEER AT LEAST	FEED-THROUGH OR	GFI TYPE BREAKERS NOT ALLOWED UNLESS NOTED OTHERWISE.	
	Ampacity Voltage	MC MECHANICAL CONTRACTOR	16. COORDINATE WORK WITH OTHER TRADES.	COORDINATION OR SCHEDULING SHALL BE THE	19. ALL RECEPTACLES C COORDINATED WITH	OR J-BOX LOCATIONS FOR POWER TO ELECTRIC WATER COOLERS SHALL BE I THE INSTALLATION LOCATIONS OF THE ELECTRIC WATER COOLERS, UNLESS	
	No. Circuits Room No.	MCB MAIN CIRCUIT BREAKER MDP MAIN DISTRIBUTION PANEL	RESPONSIBILITY OF THE INVOLVED CONTR	ACTORS.	NOTED. ALL CIRCUIT	TS FOR WATER COOLERS ARE TO BE GFCI PROTECTED.	
		MH MANHOLE MISC MISCELLANEOUS	17. ALL CIRCUIT DIRECTORIES SHALL BE COOR ROOM NUMBERS/ROOM NAMES.	DINATED WITH OWNER FOR CORRECT CALL-OUT OF	20. ALL DASHED CIRCUIT OTHERWISE.	TRY IS ROUTED BELOW FLOOR SLAB OR BELOW GRADE UNLESS NOTED	
	(XXX) WIRE CALLOUT	MLO MAIN LUGS ONLY MSB MAIN SWITCHBOARD MTS MANUAL TRANSFER SWITCH			21. HEAT LOOPS (#18 G/	A. WITH GROUND) MAY BE USED FOR A FEED TO A SINGLE LIGHT FIXTURE	
		N.C. NORMALLY CLOSED NIC NOT IN CONTRACT					
		NL NIGHT LIGHT N.O. NORMALLY OPEN					
		NTS NOT TO SCALE PB PULL BOX OR PUSHBUTTON					
		PC PLUMBING CONTRACTOR PH PHASE					
		PRI PRIMARY PT POTENTIAI TRANSFORMER					
		PVC POLYVINYL CHLORIDE (CONDUIT) PWR POWER					
		RCPT RECEPTACLE RSC RIGID STEEL CONDUIT					
		RTU ROOF TOP UNIT SEC SECONDARY					
		SPEC SPECIFICATION SS STAINLESS STEEL					
		SW SWITCH SWBD SWITCHBOARD					
		SYS SYSTEM TEL TELEPHONE					
		TTB TELEPHONE TERMINAL BOARD TV TELEVISION					
		TYP TYPICAL UC UNDER COUNTER					
		UG UNDERGROUND UH UNIT HEATER					
		UT UNDERGROUND TELEPHONE UTIL UTILITY					
		V VOLT VFD VARIABLE FREQUENCY DRIVE					
		W WATT W/ WITH					
		WG WIRE GUARD WH WATER HEATER					
		WP WEATHERPROOF XEMR TRANSFORMER					
		Ø PHASE					

ING HEIGHT (TO TOP OF DEVICE):

NTING HEIGHTS WITH ARCHITECTURAL PLANS AND ELEVATIONS.

MOUNTED AT 20" AFF, UNLESS NOTED. UNTED AT 48" AFF, UNLESS NOTED.

O BE MOUNTED ABOVE COUNTER AND BACKSPLASH. COORDINATE WITH AL DRAWINGS AND APPROVED SHOP DRAWINGS FOR CASEWORK.

![](_page_48_Picture_7.jpeg)

	LIGHTING FIXTURE SCHEDULE													
TYPE	VOLTS	WATTAGE	DESCRIPTION			COLOR TEMP.	MOUNTING	MANUFACTURER	MODEL	MANUF. #2	MODEL #2	MANUF. #3	MODEL #3	NOTES
A	120	218	LED HIGH BAY FIXTURE, WIDE DISTRIBUTION, STANDARD EFFICIENCY, WHITE FINISH, ACRYLIC FROSTED LENS, U.L. LISTED.	36,000	LED	4000K	CHAIN/AIRCRAFT CABLE		IBG SERIES	COLUMBIA	LLHV SERIES	DAY-BRITE	FBX SERIES	1
В	120	34	LED 4' STRIP FIXTURE, STEEL CONSTRUCTION, ACRYLIC LENS, WHITE FINISH, U.L. LISTED.	5,000	LED	4000K	CHAIN/AIRCRAFT CABLE		ZL1N SERIES	COLUMBIA	LCL SERIES	DAY-BRITE	FSS SERIES	6
М	120	34	LED 4' STRIP FIXTURE, STEEL CONSTRUCTION, ACRYLIC LENS, WHITE FINISH, EMERGENCY BATTERY PACK, U.L. LISTED.	5,000	LED	4000K	CHAIN/AIRCRAFT CABLE		ZL1N SERIES	COLUMBIA	LCL SERIES	DAY-BRITE	FSS SERIES	6
C	120	19	LED 2' STRIP FIXTURE, STEEL CONSTRUCTION, ACRYLIC LENS, WHITE FINISH, U.L. LISTED.	2,500	LED	4000K	CEILING	LITHONIA	ZL1N SERIES	COLUMBIA	LCL SERIES	DAY-BRITE	FSS SERIES	
N	120	5	LED DUAL HEAD EMERGENCY LIGHTING UNIT, WHITE FINISH, 90 MINUTE INTEGRAL BATTERY, U.L. LISTED.		LED		WALL	LITHONIA	EML6 SERIES	HUBBELL		PHILLIPS		3,5
<1	120	5	WALL EXIT LIGHT, WHITE THERMOPLASTIC HOUSING, RED LETTERS, SINGLE FACE, DUAL HEAD EMERGENCY LIGHTING, 90 MINUTE INTEGRAL BATTERY, U.L. LISTED.		LED		WALL	LITHONIA	LHQM SERIES	HUBBELL		PHILLIPS		4
2	120	5	WALL EXIT LIGHT, WHITE THERMOPLASTIC HOUSING, RED LETTERS, SINGLE FACE, CAPABLE OF PROVIDING POWER FOR REMOTE HEAD (IF NEEDED), 90 MINUTE INTEGRAL BATTERY, U.L. LISTED.		LED		WALL	LITHONIA	LHQM SERIES	HUBBELL		PHILLIPS		4
-EM	120	35	LED LOW PROFILE WALL PACK, DIE CAST ALUMINUM HOUSING, DARK BRONZE, WET LOCATION, TYPE III MEDIUM DISTRIBUTION, EMERGENCY BATTERY PACK, U.L. LISTED.	4,000	LED	4000K	WALL	LITHONIA	DSXW1 SERIES	KIM	WDM SERIES	GARDCO	PWS SERIES	1,2
12	120	73	LED LOW PROFILE WALL PACK, DIE CAST ALUMINUM HOUSING, DARK BRONZE, WET LOCATION, TYPE III MEDIUM DISTRIBUTION, U.L. LISTED.	7,500	LED	4000K	WALL	LITHONIA	DSXW1 SERIES	KIM	WDM SERIES	GARDCO	PWS SERIES	1,2
-EM	120	73	LED LOW PROFILE WALL PACK, DIE CAST ALUMINUM HOUSING, DARK BRONZE, WET LOCATION, TYPE III MEDIUM DISTRIBUTION, EMERGENCY BATTERY PACK,	7,500	LED	4000K	WALL	LITHONIA	DSXW1 SERIES	KIM	WDM SERIES	GARDCO	PWS SERIES	1,2

NOTES: 1. REFER TO DRAWINGS FOR MOUNTING HEIGHT.

PROVIDE FIXTURE WITH PHOTOELECTRIC SENSOR FOR ON/OFF OPERATION. 3. FIXTURES TO BE CAPABLE OF PROVIDING 1 FC AVERAGE WHEN SPACED AT 45' APART AT A MOUNTING HEIGHT OF 12'-0" AFF.

4. MOUNT FIXTURE 1'-0" ABOVE DOOR.

5. FIXTURE TO BE MOUNTED AT 12'-0" AFF. 6. FIXTURE TO BE MOUNTED AT 10'-0" AFF.

![](_page_49_Figure_6.jpeg)

# A1 LIGHTING PLAN 1/16" = 1'-0"

![](_page_49_Figure_10.jpeg)

				E	EQU	IPN	<b>ΛΕΝΤ</b>	T <b>DA</b> 1	ra sci	HEDULE						
			EQUIPME	NT INFORMA	TION			CI	RCUIT INFORM	ATION	CON	TROL				
									APPARENT							NOTES
PLAN MARK	DESCRIPTION	FLA	MCA	MOCP	VOLT	PH	PANEL	NO.	LOAD	WIRE & CONDUIT SIZE	FURNISH	INSTALL	TYPE	FURNISH	INSTALL	
EUH-1	ELECTRIC UNIT HEATER	9.6	12.0	20.0	240	1	B1	2,4	2304 VA	3/4"C - 2#12, 1#12 GND	MC	MC	CB	MC	MC	
EUH-2	ELECTRIC UNIT HEATER	9.6	12.0	20.0	240	1	B1	6,8	2304 VA	3/4"C - 2#12, 1#12 GND	MC	MC	CB	MC	MC	
GD101	GARAGE DOOR OPENER	9.8	12.3	20.0	120	1	A1	7	1176 VA	3/4"C - 2#12, 1#12 GND	GC	EC	TS	EC	EC	
GD102	GARAGE DOOR OPENER	9.8	12.3	20.0	120	1	A2	7	1176 VA	3/4"C - 2#12, 1#12 GND	GC	EC	TS	EC	EC	
GD103	GARAGE DOOR OPENER	9.8	12.3	20.0	120	1	A3	7	1176 VA	3/4"C - 2#12, 1#12 GND	GC	EC	TS	EC	EC	
GD105	GARAGE DOOR OPENER	9.8	12.3	20.0	120	1	A4	7	1176 VA	3/4"C - 2#12, 1#12 GND	GC	EC	TS	EC	EC	
GD106	GARAGE DOOR OPENER	9.8	12.3	20.0	120	1	A5	7	1176 VA	3/4"C - 2#12, 1#12 GND	GC	EC	TS	EC	EC	
GD107	GARAGE DOOR OPENER	9.8	12.3	20.0	120	1	A6	7	1176 VA	3/4"C - 2#12, 1#12 GND	GC	EC	TS	EC	EC	
GUH-1	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A1	2	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-2	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A1	4	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-3	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A2	2	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-4	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A2	4	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-5	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A3	2	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-6	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A3	4	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-7	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A4	2	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-8	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A4	4	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-9	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A5	2	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-10	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A5	4	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-11	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A6	2	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GUH-12	GAS UNIT HEATER	4.8	6.0	15.0	120	1	A6	4	575 VA	3/4"C - 2#12, 1#12 GND	MC	MC	TS	EC	EC	
GWH-1	GAS WATER HEATER	5.0	6.3	20.0	120	1	A1	11	600 VA	3/4"C - 2#12, 1#12 GND	PC	PC	TS	EC	EC	
GWH-2	GAS WATER HEATER	5.0	6.3	20.0	120	1	A2	11	600 VA	3/4"C - 2#12, 1#12 GND	PC	PC	TS	EC	EC	
GWH-3	GAS WATER HEATER	5.0	6.3	20.0	120	1	A3	11	600 VA	3/4"C - 2#12, 1#12 GND	PC	PC	TS	EC	EC	
GWH-4	GAS WATER HEATER	5.0	6.3	20.0	120	1	A4	11	600 VA	3/4"C - 2#12, 1#12 GND	PC	PC	TS	EC	EC	
GWH-5	GAS WATER HEATER	5.0	6.3	20.0	120	1	A5	11	600 VA	3/4"C - 2#12, 1#12 GND	PC	PC	TS	FC	FC	
GWH-6	GAS WATER HEATER	5.0	6.3	20.0	120	1	A6	11	600 VA	3/4"C - 2#12, 1#12 GND	PC	PC	TS	FC	FC	
GWH-C	GAS WATER HEATER	5.0	6.3	20.0	120	1		9	600 VA	3/4"C - 2#8 1#10 GND	PC	PC	TS	FC	FC	
HD101	HANGAR DOOR OPENER	28.0	35.0	50.0	240	1	Δ1	13 15	6460 VA	3/4"C - 2#8, 1#10 GND	GC	GC	60A NE	GC	FC.	
HD102		28.0	35.0	50.0	240	1	Δ2	13 15	6460 VA	3/4"C - 2#8, 1#10 GND	GC	GC	60A NE	GC	FC.	
HD102		20.0	35.0	50.0	240	1	Δ3	13 15	6460 VA	3/4"C - 2#8, 1#10 GND	GC	GC	604 NF	GC	FC	
HD105		20.0	35.0	50.0	240	1	Δ/	13,15	6460 VA	3/4"C - 2#8, 1#10 GND	GC GC	00 GC	604 NE	CC	FC	
HD106		20.0	35.0	50.0	240	1	Λ <del>4</del> Δ5	13,15	6460 VA	3/4"C 2#8, 1#10 GND	00	60		60	EC	
		20.0	35.0	50.0	240	1	AG	12 15	6460 VA	3/4 C - 2#0, 1#10 GND	00	60		60	EC	
		20.0	20.0 2 Q	20.0	240 120	1	AU A 1	0	822 \/A		MC					
<u> писо-п</u>		7.0	0.0 Q Q	20.0	120	1	۸۱ ۸۵	9	833 V/A		MC	MC	ТС		EC	
		7.0	0.0	20.0	120	1	MZ A 2	3	000 VA	3/4 0 - 2#12, 1#12 GNU	IVIC MC					
		7.0	0.0	20.0	120	1	A3	3	000 VA	3/4 U - 2#12, 1#12 GNU	IVIC MC			EC		
		7.0	0.0	20.0	120	1	A4	9	000 VA	3/4 U - 2#12, 1#12 GNU	IVIC MC	NIC MC				
		7.0	0.Ŏ	20.0	120	1	CA	9	000 VA	3/4 U - 2#12, 1#12 GND	IVIC		15			
HVLS-0		1.0	ö.ö	20.0	120		Ab	9	033 VA	5/4 U - 2#12, 1#12 GND	INC		15	EC	EU	

ABBREVIATIONS:

EC - ELECTRICAL CONTRACTOR

GC - GENERAL CONTRACTOR

MC - MECHANICAL CONTRACTOR PC - PLUMBING CONTRACTOR CB - CIRCUIT BREAKER (INTEGRAL TO UNIT) FS - FUSED SWITCH

NF- NON-FUSED TS - MOTOR RATED TOGGLE SWITCH

![](_page_50_Figure_9.jpeg)

![](_page_50_Picture_10.jpeg)

![](_page_50_Figure_11.jpeg)

3	4	5	

![](_page_50_Figure_13.jpeg)

![](_page_51_Figure_0.jpeg)

sk Docs://HIIE -Terre Haute Berrional Airnort -Droiects Huh/10019658 West Ouad 6 Unit Box Handar M

![](_page_51_Figure_3.jpeg)

![](_page_52_Figure_0.jpeg)

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![](_page_52_Figure_3.jpeg)

1			2			3		4	5			6	6			7		
LOCATION: HANGAR BA MOUNTING: SURFACE N MAIN DEVICE: MLO BUS AMPS: 200 # of Circuits 30	PAN AY 101 IEMA 1	ELBOARD: VOLTAGE: A.I.C. RATING: SPECIAL:	<b>A1</b> 120/240V, 1Ø, 3W 10,000	1		LOCATION: HANGAR MOUNTING: SURFAC MAIN DEVICE: MLO BUS AMPS: 200 # of Circuits 30	PANELBO BAY 102 E NEMA 1 A	OARD: A2 VOLTAGE: 120/240V, 1Ø, 3V I.C. RATING: 10,000 SPECIAL:	V		LOCATION: HANGAR BA MOUNTING: SURFACE N MAIN DEVICE: MLO BUS AMPS: 200 # of Circuits 30	<b>P</b> Y 103 EMA 1	ANELBC	VOLTAGE: 120/240V C. RATING: 22,000 SPECIAL:	V, 1Ø, 3W			WOOLPERT ARCHITECTURE   ENGINEERING   GEOSPATIAL 4454 IDEA CENTER BOULEVARD DAYTON, OH 45430-1500
NOTES       LOAD DESCRIPTION         RECEPTS HANGAR BAY 101         RECEPTS HANGAR BAY 101         LIGHTING HANGAR BAY 101         GARAGE DOOR 101         HVLS-1         GWH-1         HANGAR DOOR 101	BKR         POLES         CKT           20         1         1           20         1         3           20         1         3           20         1         5           20         1         7           20         1         9           20         1         9           20         1         11           50         2         1         11           50         2         1         11           50         2         1         11           50         2         1         11           50         2         1         11           50         2         1         13           50         2         1         19           50         5         5         19	A       720       575       720         720       575       720         1330       2880       1176         833       2880       1176         833       2880       600         3230       0       3230         13230       0       3230         13230       0       3230         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       0       10         13230       10       10         140       10       10         150       10       10         160       10       10         17       10       10         18       10	B     CKT       2     2       575     4       575     4       2880     6       2880     10       2880     12       2880     12       10     14       0     16       18     20       20     22	POLES         BKR         LOAD DESC           1         15         GUH-1           1         15         GUH-2           2         30         RECEPTACLE 24           2         30         RECEPTACLE 24           1         20         SPARE           1         20         SPARE           1         20         SPARE	RIPTION       NOTES         0V, 1Ø	NOTES       LOAD DESCRIPTION         RECEPTS HANGAR BAY 10         LIGHTING HANGAR BAY 10         GARAGE DOOR 102         HVLS-2         GWH-2         HANGAR DOOR 102	BKR         POLES         CKT         POLES           2         20         1         1         720           2         20         1         3         1           2         20         1         3         1           2         20         1         5         1330           2         20         1         7         1           20         1         7         1         1           20         1         9         833         1           20         1         11         1         1           20         1         11         1         1           20         1         11         1         1           50         2         1         11         1           50         2         1         15         1           15         19         19         1         1           10         19         21         1         1	CKT575I72057572057572057572057572057511762880117628801176288011762880117628801176288011762880117628801176288011762880117628801176288011762880117628801176118<	POLESBKRLOAD DESCRIPTIONNOTE115GUH-31115GUH-41230RECEPTACLE 240V, 1Ø1230RECEPTACLE 240V, 1Ø1120SPARE1120SPARE1120SPARE1111111111111111111111111111111111111111		S       LOAD DESCRIPTION         RECEPTS HANGAR BAY 103         RECEPTS HANGAR BAY 103         LIGHTING HANGAR BAY 103         GARAGE DOOR 103         HVLS-3         GWH-3	BKR       POLES         20       1         20       2         20       2         20       2         20       2         20       2         20       2         20       2         20       2         20       2         20       2         20       3         20	CKT       A         1       720       1         3       1       1         5       1330       2         7       1330       2         9       833       2         11       1       1         13       3230       1         15       1       1       1         17       1       1       1         19       1       1       1         21       1       1       1	B           575         I           720         575           720         575           1720         575           1176         2880           1176         2880           2880         I           2880         I           600         2880           0         I           3230         0           I         I           I         I           I         I           I         I	CKT     POLES       2     1       4     1       6     2       8     2       10     2       12     2       14     1       16     1       18     20       22     2	BKR         LOAD DESCRIPTION           15         GUH-5           15         GUH-6           30         RECEPTACLE 240V, 102           30         RECEPTACLE 240V, 102           20         SPARE           20         SPARE           20         SPARE	ON NOTES	937.461.5660 E PE12100158 STATE OF NOIANA ENGNELIUM
LOAD CLASSIFICATION HVAC Motor Other LIGHTING EQUIPMENT RECEPTS NOTES:	23       25       27       29       TOTAL LOAL       TOTAL AMPS       CONNECTED       1150 VA       833 VA       0 VA       1330 VA       19756 VA       1440 VA	Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Consecond system <t< td=""><td>24       26       28       30       1 kVA       0.5 A       STIMATED       1150 VA       1041 VA       0 VA       1330 VA       2841 VA       1440 VA</td><td>PANEL TOTALS CONNECTED LOAD: ESTIMATED DEMAND: CONNECTED CURRENT: EST. DEMAND CURRENT:</td><td>24509 VA 17803 VA 102.1 74.2</td><td>LOAD CLASSIFICATION HVAC Motor Other LIGHTING EQUIPMENT RECEPTS NOTES:</td><td>23       25       27       29       7       29       7       124       7       129       124       7       124       103       1150       1150       1150       1150       1150       1150       1150       1150       1150       100.009       1330       100.009       19756       1440       100.009</td><td>24       26       28       28       30       kVA       12.1 kVA       7 A       100.5 A       D       ESTIMATED       6       1041 VA       0 VA       6       1330 VA       0       12841 VA       6       1440 VA</td><td>PANEL TOTALS PANEL TOTALS CONNECTED LOAD: 24509 VA ESTIMATED DEMAND: 17803 VA CONNECTED CURRENT: 102.1 EST. DEMAND CURRENT: 74.2</td><td>LOAD ( HVAC Motor Other LIGHTII EQUIPI RECEP</td><td>CLASSIFICATION</td><td>Image: Constant of the second sec</td><td>23     25       25     27       29     12.4 k<sup>3</sup>       AMPS:     103.7       DEMAND       100.00%       125.00%       0.00%       100.00%       65.00%       100.00%</td><td>/A 12.1 kVA A 100.5 A ESTIMATEC 1150 VA 1041 VA 0 VA 1330 VA 12841 VA 1440 VA</td><td>24 26 28 30 D C( ES' C(</td><td>PANEL TOTALS CONNECTED LOAD: 24509 ESTIMATED DEMAND: 17803 CONNECTED CURRENT: 102.1 CONNECTED CURRENT: 74.2 CONNECTED CURRENT</td><td>9 VA 3 VA</td><td>D</td></t<>	24       26       28       30       1 kVA       0.5 A       STIMATED       1150 VA       1041 VA       0 VA       1330 VA       2841 VA       1440 VA	PANEL TOTALS CONNECTED LOAD: ESTIMATED DEMAND: CONNECTED CURRENT: EST. DEMAND CURRENT:	24509 VA 17803 VA 102.1 74.2	LOAD CLASSIFICATION HVAC Motor Other LIGHTING EQUIPMENT RECEPTS NOTES:	23       25       27       29       7       29       7       124       7       129       124       7       124       103       1150       1150       1150       1150       1150       1150       1150       1150       1150       100.009       1330       100.009       19756       1440       100.009	24       26       28       28       30       kVA       12.1 kVA       7 A       100.5 A       D       ESTIMATED       6       1041 VA       0 VA       6       1330 VA       0       12841 VA       6       1440 VA	PANEL TOTALS PANEL TOTALS CONNECTED LOAD: 24509 VA ESTIMATED DEMAND: 17803 VA CONNECTED CURRENT: 102.1 EST. DEMAND CURRENT: 74.2	LOAD ( HVAC Motor Other LIGHTII EQUIPI RECEP	CLASSIFICATION	Image: Constant of the second sec	23     25       25     27       29     12.4 k <sup>3</sup> AMPS:     103.7       DEMAND       100.00%       125.00%       0.00%       100.00%       65.00%       100.00%	/A 12.1 kVA A 100.5 A ESTIMATEC 1150 VA 1041 VA 0 VA 1330 VA 12841 VA 1440 VA	24 26 28 30 D C( ES' C(	PANEL TOTALS CONNECTED LOAD: 24509 ESTIMATED DEMAND: 17803 CONNECTED CURRENT: 102.1 CONNECTED CURRENT: 74.2 CONNECTED CURRENT	9 VA 3 VA	D
LOCATION: HANGAR BA MOUNTING: SURFACE N MAIN DEVICE: MLO BUS AMPS: 200 # of Circuits 30	<b>PAN</b> AY (ALT #1) 105 IEMA 1	ELBOARD: VOLTAGE: A.I.C. RATING: SPECIAL:	<b>A4</b> 120/240V, 1Ø, 3W 22,000	<i>I</i>		LOCATION: HANGAR MOUNTING: SURFAC MAIN DEVICE: MLO BUS AMPS: 200 # of Circuits 30	<b>PANELB</b> BAY (ALT #1) 106 E NEMA 1 A	OARD: A5 VOLTAGE: 120/240V, 1Ø, 3V I.C. RATING: 10,000 SPECIAL:	V		LOCATION: HANGAR BA MOUNTING: SURFACE N MAIN DEVICE: MLO BUS AMPS: 200 # of Circuits 30	<b>P</b> A Y (ALT #1) 107 EMA 1	ANELBC All	DARD: A6 VOLTAGE: 120/240V C. RATING: 10,000 AI SPECIAL:	V, 1Ø, 3W MPS SYMMETRICAL	-		DATE DESCRIPTION
NOTESLOAD DESCRIPTIONRECEPTS HANGAR BAY 105RECEPTS HANGAR BAY 105LIGHTING HANGAR BAY 105GARAGE DOOR 105HVLS-4GWH-4HANGAR DOOR 105	BKR         POLES         CKT           20         1         1           20         1         3           20         1         5           20         1         5           20         1         9           20         1         9           20         1         11           20         1         11           50         2         1         13           50         2         1         13           15         15         17         19	Image: Application of the symbol of the	B     CKT       2     2       575     4       575     6       2880     8       2880     10       2880     12       2880     14       0     16       18     20	POLES         BKR         LOAD DESC           1         15         GUH-7           1         15         GUH-8           2         30         RECEPTACLE 24           2         30         RECEPTACLE 24           1         20         SPARE           1         20         SPARE           1         20         SPARE	RIPTION         NOTES           0V, 1Ø	NOTESLOAD DESCRIPTIONRECEPTS HANGAR BAY 10RECEPTS HANGAR BAY 10LIGHTING HANGAR BAY 10GARAGE DOOR 106HVLS-5GWH-5HANGAR DOOR 106	BKR         POLES         CKT $A$ 5         20         1         1         720           5         20         1         3	A $B$ $CKT$ 575 $720$ $575$ $2$ 7880 $575$ $4$ $2$ 2880 $10$ $60$ $8$ 2880 $1176$ $2880$ $8$ 2880 $600$ $2880$ $12$ 0 $600$ $2880$ $12$ 0 $3230$ $0$ $16$ 18 $18$ $20$	POLES         BKR         LOAD DESCRIPTION         NOTE           1         15         GUH-9         1 <td< td=""><td></td><td>SLOAD DESCRIPTIONRECEPTS HANGAR BAY 107RECEPTS HANGAR BAY 107LIGHTING HANGAR BAY 107GARAGE DOOR 107HVLS-6GWH-6HANGAR DOOR 107</td><td>BKR       POLES         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       2       1         50       2       1         20       1       1         20       1       1         20       2       1         20       2       1         20       2       2         20       3       3         20       3       3         20       3       3         20       3       3<td>CKT     A       1     720     1       3     1330     2       5     1330     2       7     833     2       11     14     1       13     3230     1       15     1     1       17     1     1       19     1     1</td><td>Image: boot state         Image: boot state           575         720         575           2880         720         575           2880         1176         2880           2880         1176         2880           2880         600         2880           0         600         2880           0         3230         0           0         7230         0</td><td>CKT     POLES       2     1       4     1       6     2       8     2       10     2       12     2       14     1       16     1       18     20</td><td>BKR         LOAD DESCRIPTION           15         GUH-11           15         GUH-12           30         RECEPTACLE 240V, 100           30         RECEPTACLE 240V, 100           20         SPARE           20         SPARE           20         SPARE</td><td>ON NOTES</td><td>C TERRE HAUTE R E G I O N A L AIRPORT</td></td></td<>		SLOAD DESCRIPTIONRECEPTS HANGAR BAY 107RECEPTS HANGAR BAY 107LIGHTING HANGAR BAY 107GARAGE DOOR 107HVLS-6GWH-6HANGAR DOOR 107	BKR       POLES         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       1       1         20       2       1         50       2       1         20       1       1         20       1       1         20       2       1         20       2       1         20       2       2         20       3       3         20       3       3         20       3       3         20       3       3 <td>CKT     A       1     720     1       3     1330     2       5     1330     2       7     833     2       11     14     1       13     3230     1       15     1     1       17     1     1       19     1     1</td> <td>Image: boot state         Image: boot state           575         720         575           2880         720         575           2880         1176         2880           2880         1176         2880           2880         600         2880           0         600         2880           0         3230         0           0         7230         0</td> <td>CKT     POLES       2     1       4     1       6     2       8     2       10     2       12     2       14     1       16     1       18     20</td> <td>BKR         LOAD DESCRIPTION           15         GUH-11           15         GUH-12           30         RECEPTACLE 240V, 100           30         RECEPTACLE 240V, 100           20         SPARE           20         SPARE           20         SPARE</td> <td>ON NOTES</td> <td>C TERRE HAUTE R E G I O N A L AIRPORT</td>	CKT     A       1     720     1       3     1330     2       5     1330     2       7     833     2       11     14     1       13     3230     1       15     1     1       17     1     1       19     1     1	Image: boot state         Image: boot state           575         720         575           2880         720         575           2880         1176         2880           2880         1176         2880           2880         600         2880           0         600         2880           0         3230         0           0         7230         0	CKT     POLES       2     1       4     1       6     2       8     2       10     2       12     2       14     1       16     1       18     20	BKR         LOAD DESCRIPTION           15         GUH-11           15         GUH-12           30         RECEPTACLE 240V, 100           30         RECEPTACLE 240V, 100           20         SPARE           20         SPARE           20         SPARE	ON NOTES	C TERRE HAUTE R E G I O N A L AIRPORT
LOAD CLASSIFICATION HVAC Motor Other LIGHTING	21       23       23       25       27       29       TOTAL LOAD       TOTAL AMPS       CONNECTED       1150 VA       833 VA       0 VA       1330 VA	D: 12.4 kVA 12. 3: 103.7 A 10 DEMAND ES 100.00% 125.00% 0.00% 100.00%	22       24       26       28       30       1 kVA       0.5 A       STIMATED       1150 VA       1041 VA       0 VA       1330 VA	PANEL TOTALS CONNECTED LOAD: ESTIMATED DEMAND: CONNECTED CURRENT:	24509 VA 17803 VA 102.1	LOAD CLASSIFICATION HVAC Motor Other LIGHTING	21       23       23       25       27       29       TOTAL LOAD:       12.4       TOTAL AMPS:       103       CONNECTED       1150 VA       100.009       833 VA       125.009       0 VA       0.00%       1330 VA	22       24       26       28       30       kVA       12.1 kVA       7 A       100.5 A       D       ESTIMATED       6       1041 VA       0 VA       6       1330 VA	PANEL TOTALS           CONNECTED LOAD:         24509 VA           ESTIMATED DEMAND:         17803 VA           CONNECTED CURRENT:         102.1	LOAD ( HVAC Motor Other LIGHTI	CLASSIFICATION	Image: Constant of the second secon	21       23         23       25         27       29         LOAD:       12.4 k <sup>1</sup> AMPS:       103.7         DEMAND       100.00%         125.00%       0.00%         100.00%       100.00%	/A 12.1 kVA A 100.5 A ESTIMATED 1150 VA 1041 VA 0 VA 1330 VA	22 24 26 28 30 D	PANEL TOTALS           CONNECTED LOAD:         24509           ESTIMATED DEMAND:         17803           CONNECTED CURRENT:         102.1	9 VA 3 VA	TL. AIRPOR ANGAR PHASE 2
EQUIPMENT RECEPTS NOTES:	19756 VA 1440 VA	65.00% 100.00%	2841 VA 1440 VA	EST. DEMAND CURRENT:	74.2	EQUIPMENT RECEPTS NOTES:	19756 VA 65.00% 1440 VA 100.009	0 12841 VA 6 1440 VA	EST. DEMAND CURRENT: 74.2	RECEP	MENT PTS S:	19756 VA 1440 VA	65.00% 100.00%	12841 VA 1440 VA	ES	ST. DEMAND CURRENT: 74.2		auter Box F 2-057-2024)
																		HUF <b>TERRE H</b> WEST QUAD (AIP 3-18-008; <sup>581 S. Airport St.</sup> Terre Haute, IN 47803
																		PROJECT NO:10019658DATE ISSUED:10/18/2024DESIGNED BY:R. VOISARDDRAWN BY:L. FAKHOURICHECKED BY:L. KISTNERASHEET NAME:ELECTRICAL SCHEDULES
																		<u>SHEET NO:</u> <b>E-701</b>

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			F	PANE	ELB	OAF	RD:	B1							
	LOCATION: MECH 104 MOUNTING: SURFACE MAIN DEVICE: MLO BUS AMPS: 200 # of Circuits 30	NEMA 1			A	Volt .I.C. Ra Spe	age: <i>É</i> Ting: É Cial:	120/240\ 10,000	V, 1Ø, 3	W					
NOTES	LOAD DESCRIPTION	BKR	POLES	СКТ		Δ	F	B	СКТ	POLES	BKR	LOAD DESC	RIPTION	NOTES	
	LIGHTING FUTURE 108	20	1	1	388	1152	-		2	. 0220	Brait				
	LIGHTING	20	1	3	-		511	1152	4	2	20	EWH-1			
	LIGHTING	20	1	5	245	1152			6	_					
	RECEPTS FUTURE 108	20	1	7			900	1152	8	2	20	EWH-2			
	HVAC MECH 104	20	1	9	600				10						
				11					12						
				13					14						
				15					16						
				17					18						
				19					20						
				21					22						
				23					24						
				25					26						
				27					28						
				29					30						
	1		ΤΟΤΑ	L LOAD:	3.5	kVA	3.7	kVA		1					
				_ AMPS:	29.	.5 A	31.								
	LASSIFICATION	520				1 <b>D</b> %	<b>ES</b>					PANEL IUTALS			
Other		020	VA		0.00%	, ,	0.	0 VA			СС	ONNECTED LOAD:	7252 VA		
LIGHTIN	IG	114	4 VA		100.00	%	1	144 VA			EST	IMATED DEMAND:	7252 VA		
RECEPT	rs	90	0 VA		100.00	%	ç	900 VA		C	ONNE	ECTED CURRENT:	30.2		
										ES	ST. DE	MAND CURRENT:	30.2		

![](_page_54_Figure_3.jpeg)