STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AUGUSTA
KENNEBEC COUNTY
66 INDUSTRIAL DRIVE – PHASE-2

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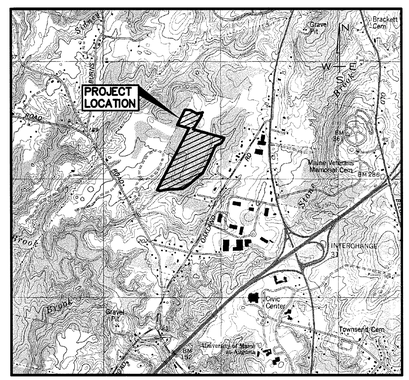

LOCATION MAP

A PORTION OF AUGUSTA MAINE

ISSUED FOR BID

FEBRUARY 27, 2014

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Structural Mechanical Electrical Commissioning
160 Veranda Street
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Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER: SBLA	3/6/14
CHIEF ENGINEER: Wal Kyle	3-6-14

STATE OF MAINE * 13057 * REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE: FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG. INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

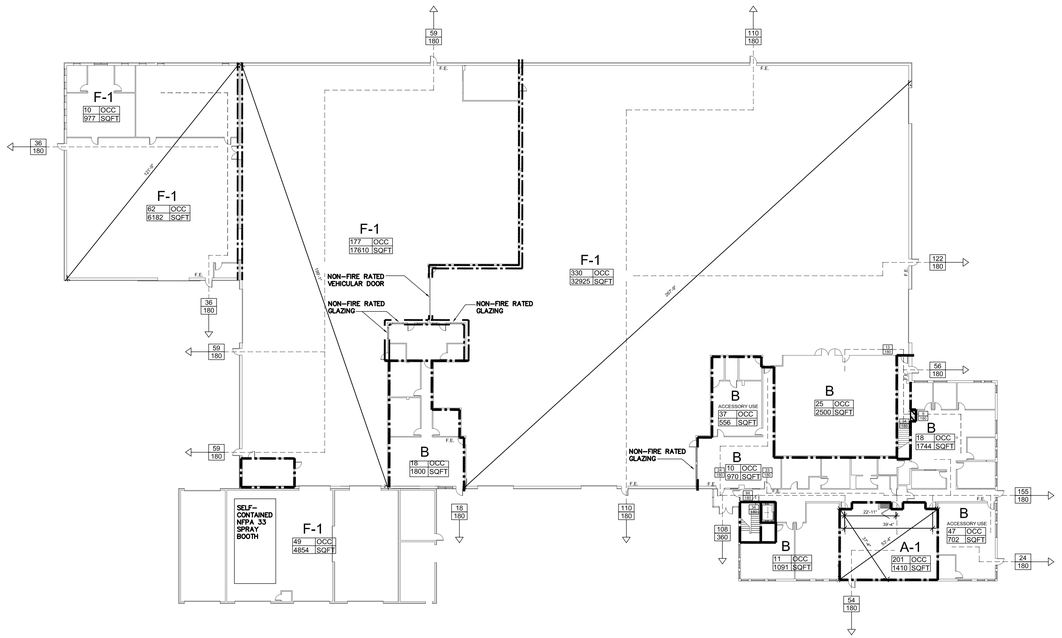
66 INDUSTRIAL DRIVE – PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

COVER SHEET

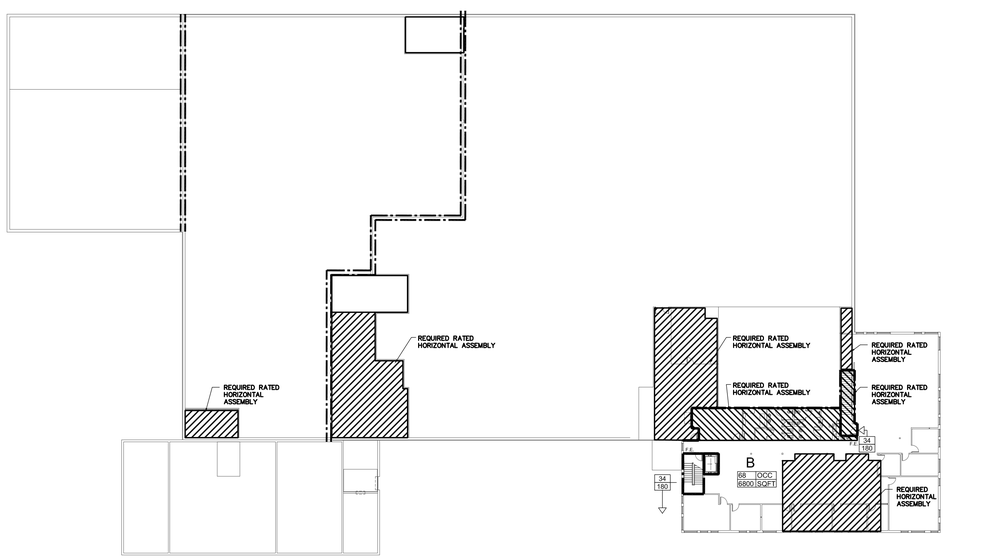
SHEET NUMBER

G000

Username: Division: Date: Filename:



1 First Floor Life Safety Plan
SCALE: 1/16" = 1'-0"



2 Second Floor Life Safety Plan
SCALE: 1/16" = 1'-0"

FIRE RATINGS LEGEND — SEE A601 FOR ASSEMBLY INFO

- 1-HOUR FIRE RATED SEPARATION
- 1-HOUR FIRE RATED SEPARATION NON-REQUIRED SEPERATION PROVIDED TO IBC AND NFPA REQUIREMENTS U.N.O
- 1-HOUR RATED FIRE SEPARATION HORIZONTAL CEILING ASSEMBLY ABOVE
- 1-HOUR RATED FIRE SEPARATION HORIZONTAL FLOOR ASSEMBLY ABOVE

CODE SUMMARY

APPLICABLE CODES

Maine Uniform Building and Energy Code "MUBEC"
Consists of the following applicable codes:

2009 International Building Code (IBC)
2009 International Existing Building Code (IEBC)
2009 International Energy Conservation Code (IECC)
2007 ASHRAE 62.1 (Ventilation for Acceptable Indoor Air Quality)
2007 ASHRAE 90.1 - (Energy Standard for Buildings except Low-Rise Residential Buildings) editions without addenda.
E-1465-2006, Standard Practice for Radon Control Options for the Design and Construction of New Low-Rise Residential Buildings.
Maine State Internal Plumbing Code based on the 2009 Uniform Plumbing Code
State of Maine Subsurface Wastewater Disposal Rules Version dated: Jan 18, 2011
2011 National Electrical Code (NEC)

Fire/ Life Safety

NFPA Life Safety Code as adopted by the State of Maine
Including but not limited to:

2009 NFPA 101: Life Safety Code
2007 NFPA 13: Installation of Sprinkler Systems, [2010 Edition through Equivalency]

Accessibility

1991 Americans with Disabilities Act / ADAAG 36 CFR

NOTE: All Codes shall include changes/amendments by the State of Maine

OCCUPANCY CLASSIFICATION

(IEBC Sec 406.902)

Change of occupancy,
Special Use and Occupancy 3. Motor vehicle related occupancies

(IBC Sec 302, 303, 304, 306, 406, 508) (NFPA)

Mixed Use and Occupancy
Storage S-1- Repair Garage
Factory F-1
Business B
Assembly A-3

AUTOMATIC SPRINKLER SYSTEM

(NFPA 13)

Provided throughout

GENERAL BUILDING INFORMATION AND ALLOWABLE BUILDING HEIGHTS AND AREA

(IBC Chapter 5, Table 503) (NFPA)

Building Height (Mid-height of the highest roof) 30'-4"

Total Area

Main Building	62,650 Sqft
Coating Building	4,411 Sqft
Sign Shop	7,260 Sqft

Perimeter

Main Building	1,130'
Coating Building	277'
Sign Shop	343'
Heated Garage and Cold Storage	672'

Allowable Building Height

Allowable Building Height	(Tabular)	55' 2 Stories
Allowable Building Height	(Actual)	75' 3 Stories

Allowable Building Area

(IBC Section 503) (NFPA)

Allowable Building Area Unlimited (special industrial occupancies see IBC 503.1.1)

REQUIRED OCCUPANCY SEPERATIONS

(IBC Table 508.4) (NFPA 101 Table 6.1.14)

B to A-3 -1 hour
B to F-1 -1hour
B to S-1 -1 hour

TYPES OF CONSTRUCTION

(IBC Table 601, Sec 602) (NFPA 220)

Type IIB

FIRE RESISTIVE RATINGS

(IBC Table 601) (NFPA Table A.8.2.1.2)

	Type IIB	Type III (0,0,0)	
Structural Frame	0	0	
Bearing Walls, Ext. + Int.	0	0	
Non-Bearing Walls and Partitions, Exterior			
Non-Bearing Walls and Partitions, Interior	0	0	
Floor Construction and Secondary Members	0	0	
Roof Construction and Secondary Members	0	0	

OCCUPANCY LOAD

(IBC Table 1004.1.1) (NFPA)

Business B - 100 Gross Sqft per Occupant
Assembly A-3 -15 net Sqft per Occupant
Storage S-1 - 100 Gross Sqft per Occupant
Factory F-1 - 100 Gross Sqft per Occupant

MEANS OF EGRESS

(IBC Chapter 10)

EGRESS WIDTH PER OCCUPANT

(IBC 1005.1) (IEBC Table 1301.6.11(1))

0.3 Inches per occupant for stairways
0.2 Inches for other egress components

STAIRWAY WIDTH

(IEBC 1301.6.11)

0.3 Inches per occupant

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FEBRUARY 27, 2014

EXIT ACCESS

Common path of egress travel

(IBC 1014.3) (IBC 1028.8)

For Assembley <30'
For Bussiness <75'

Corridor Fire Resistance

(IBC 1018.1) (NFPA 101 7.1.3.1)

0 hour

Corridor Width

(IBC 1018.2)

Not less then 44"

Dead-End Corridor

(IBC 1018.4)

Dead-end corridors in area of work <20'

PLUMBING FIXTURE COUNT

(IBC Table 2902.1)

	WC Male	WC Female	Lav. Male	Lav. Female	Drinking Fountain	Service Sink
First Floor						1
720 Business (B) occupants + Industrial (S-1) occupants (F-1) occupants	8 (1:25-50, 1:50)	8 (1:25-50, 1:50)	9 (1:40)	9 (1:40)	1	
200 Assembly (A-3) occupants	1 (1:125)	2 (1:65)	1 (1:200)	1 (1:200)	1 (1:500)	
Second floor						1
68 Business (B) occupants	2 (1:25-50, 1:50)	2 (1:25-50, 1:50)	1 (1:40)	1 (1:40)	1	
Totals required	11	12	9	9	3	2

Provided
Drinking Fountain 3
Services Sinks 3
Male 5 WC (6 Urinals) 6 Lav
Female 9 WC 5 Lav
Unisex 4 WC 4 Lav

ENERGY CONSERVATION

(IECC.502.1,.2)

Opaque Assemblies required min.

Wall R-13, r-5.6ci, U-0.06
Roof R-20ci, U-0.048
Slab R-10 for 24" below grade (provide at new foundations)

ARCHITECTURAL ABBREVIATIONS

AB	ANCHORBOLT	D	DRYER	GA	GAUGE	MTRL	MATERIAL	QT	QUART	T	TREAD/TOILET
ACT	ACCOUSTICAL CEILING TILE	DBL	DOUBLE	GAL	GALLON	MAS	MASONRY			TEL	TELEPHONE
ADDL	ADDITIONAL	DEFL	DEFLECTION	GALV	GALVANIZED	MAX	MAXIMUM	R	RADIUS/RISER/RANGE	TEMP	TEMPERATURE/TEMPERED
ADMIN	ADMINISTRATION	DEMO	DEMOLITION	GL	GLASS	MECH	MECHANICAL	RD	ROOF DRAIN	T&G	TONGUE & GROOVE
AFF	ABOVE FINISH FLOOR	DF	DRINKING FOUNTAIN	GR	GRANITE	MED	MEDICAL	REC	RECREATION	TH	THICKNESS
ALUM	ALUMINUM	DIA	DIAMETER	GWB	GYPSUM WALL BOARD	MFR	MANUFACTURER	RECT	RECTANGLE	T.O.	TOP OF
AP	ACCESS PANEL	DIAG	DIAGONAL	GYP	GYPSUM	MGR	MANAGER	REF	REFERENCE	TV	TELEVISION
APV	ASPHALT PAVER	DIM	DIMENSION			MH	MANHOLE	REQD	REQUIRED	TYP	TYPICAL
ARCH	ARCHITECT	DR	DIRECTOR/DOOR	HD	HIGH DENSITY	MIN	MINIMUM	REFR	REFRIGERATOR		
		DIV	DIVISION	HR	HOUR	MISC	MISCELLANEOUS	REINF	REINFORCE/REINFORCING	UL	UNDERWRITERS
BD	BOARD	DN	DOWN	HC	HOLLOW CORE	MO	MASONRY OPENING	RESIL	RESILIENT		LABORATORIES
BIT	BITUMINOUS	DWG	DRAWING	HDWR	HARDWARE	MOLD	MOLDING	REV	REVISE/REVISION	UNO	UNLESS NOTED
BLDG	BUILDING			HFS	HALF FULL SCALE	MR	MOISTURE RESISTANT	RFG	ROOFING		OTHERWISE
BLKG	BLOCKING	E	EAST	HGT	HEIGHT	MTD	MOUNTED	RM	ROOM	UTIL	UTILITIES
BM	BENCHMARK	EA	EACH	HM	HOLLOW METAL	MTG	MOUNTING	RO	ROUGH OPENING		
BRG	BEARING	EF	EXHAUST FAN	HO	HOLD OPEN	MTL	METAL			VAR	VARIES
BTW	BETWEEN	EJ	EXPANSION JOINT	HORZ	HORIZONTAL			S	SOUTH/SINK	VB	VAPOR BARRIER
		EL	ELEVATION	HTG	HEATING	N	NORTH	SAN	SANITARY	VCT	VINYL COMPOSITE TILE
CAB	CABINET	ELEV	ELEVATOR	HVAC	HEATING, VENTILATION & AIR CONDITIONING	NATL	NATURAL	S.A.F.B.	SOUND ATTENTUATION FIRE BATTS (BRACKET)	VENT	VENTILATOR/VENTILATION
CB	CATCH BASIN	ELEC	ELECTRIC/ELECTRICAL			NIC	NOT IN CONTRACT			VERT	VERTICAL
CEM	CEMENT	EQ	EQUAL	HW	HOT WATER	NL	NIGHT LIGHT	SC	SOLID CORE	VEST	VESTIBULE
CF	CUBIC FEET	EWC	ELECTRIC WATER COOLER	HYD	HYDRANT	NO	NUMBER	SD	STORM DRAIN	VR	VAPOR RETARDER
CIRC	CIRCLE/CIRCULAR	EXAM	EXAMINATION	INCL	INCLUDE/INCLUDING	NTS	NOT TO SCALE	SECT	SECTION		
CJ	CONTROL JOINT	EXIST	EXISTING	ID	INSIDE DIAMETER			SF	SQUARE FOOT	W	WEST / WATER / WASHER / WIDTH
CL	CENTER LINE	EXT	EXTERIOR	IN	INCH	O.C	ON CENTER	SHT	SHEET		
CLG	CEILING			INSUL	INSULATE/INSULATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	SIM	SIMILAR	W/	WITH
CLO	CLOSET	FBO	FURNISHED BY OWNER	INT	INTERIOR	OZ	ONCE	SPEC	SPEC(IFICATIONS)	WC	WATER CLOSET
CM	CONSTRUCTION MANAGER	FCO	FLOOR CLEAN OUT	INV	INVERT			SPC	SWIMMING POOL CONTRACTOR	WD	WOOD
CMU	CONCRETE MASONRY UNIT	FD	FLOOR DRAIN			PART BD	PARTICLE BOARD	SQ	SQUARE	WIND	WINDOW
CO	CLEAN OUT	FCP	FIRE CONTROL PANEL	JAN	JANITOR	PC	PIECE	STC	SOUND TRANSMISSION COEFFICIENT	W/O	WITH OUT
COL	COLUMN	FE	FIRE EXTINGUISHER	JC	JANITOR CLOSET	PL	PLATE			WWF	WELDED WIRE FABRIC
CONC	CONCRETE	FG	FIBERGLASS	JT	JOINT	PLAS	PLASTER	STD	STANDARD	WWM	WELDED WIRE MESH
CONST	CONSTRUCTION	FIN	FINISH			PLAM	PLASTIC LAMINATE	STL	STEEL		
CONT	CONTINUE, CONTINUOUS	FL	FLOOR	KIT	KITCHEN	PLYWD	PLYWOOD	STOR	STORAGE		
COOR	CORRUGATED	FOS	FACE OF STUD			PNT	PAINT	ST ST	STAINLESS STEEL		
COORD	COORDINATED	FRP	FIBERGLASS REINFORCED PLASTIC	LAM	LAMINATE/LAMINATED	POLY	POLYURETHANE	SUSP	SUSPENDED		
CRS	COURSE			LAV	LAVATORY	PREP	PREPARATION				
CT	CERAMIC TILE	FT	FOOT	LCC	LEAD COATED COPPER	PSF	POUNDS / SQUARE FOOT				
CTV	CABLE TELEVISION LINE	FTG	FOOTING	LF	LINEAR FOOT	PSI	POUNDS / SQUARE INCH				
CUH	CABINET UNIT HEATER	F.O.	FACE OF	LGT	LIGHT	PT	PRESERVATIVE TREATED				
CY	CUBIC YARD			LIN	LINEN	PTD	PAINTED				
						PVMT	PAVEMENT				

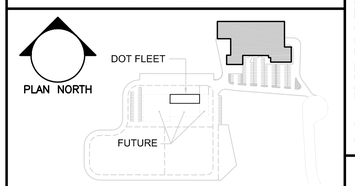
MATERIAL KEY

- COURSE GRAVEL
- CONCRETE
- STONE
- EARTH/COMPACT FILL
- GYPSUM/PLASTER
- PLYWOOD
- DENSE PAK CELLULOSE INSULATION
- SPRAY FOAM INSULATION
- BATT INSULATION
- FINISH WOOD
- ROUGH WOOD
- BLOCKING WOOD
- CONCRETE MASONRY
- BRICK MASONRY
- SAND/FINE GRAVEL
- RIGID INSULATION
- GLASS

ARCHITECTURAL SYMBOLS

- FINISH MATERIAL — CL1
- CASEWORK TYPE — CW1
- ROOM NUMBER — ROOM NAME / 101
- DOOR NUMBER — 101A
- WINDOW TYPE — NO
- PARTITION TYPE — M4 / 01
- REVISION REFERENCE — 1
- FIRE EXTINGUISHER, RECESSED CABINET — FE
- FIRE EXTINGUISHER SURFACE MOUNT — FE
- DETAIL — X / AXXX
- KEYNOTE — #
- PROPOSED ELEVATION — TOP OF FIN. FLOOR EL. = X'-X"
- BUILDING SECTION — X / AXXX
- BUILDING ELEVATION — X / AXXX
- WALL SECTION — X / AXXX
- INTERIOR ELEVATION — N / W X AXXX E / S
- COLUMN REFERENCE LINE — X
- NEW DOOR
- EXISTING DOOR

PROJECT KEY PLAN



SSA Scott Simons Architects

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Structural Mechanical Electrical Commissioning
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207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A001.DWG | Allied Project No: 13057 Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE		
COMMISSIONER:		
CHIEF ENGINEER:		

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE		
ARCH. LIN. NUMBER		
DATE	FEBRUARY 27, 2014	

PROJECT INFORMATION		
PROGRAM		
PROJECT MANAGER		
DESIGNER	ALLIED ENG., INC.	
CONSULTANT	SSA	
PROJECT RESIDENT		
CONTRACTOR		
PROJECT COMPLETION DATE		I

WIN: 020118.20

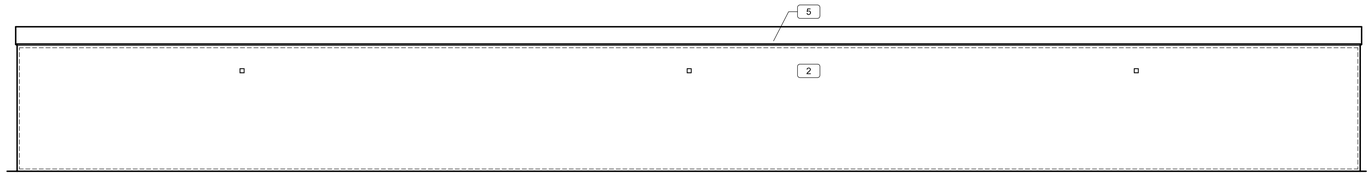
66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – CODE SUMMARY AND LIFE SAFETY PLAN

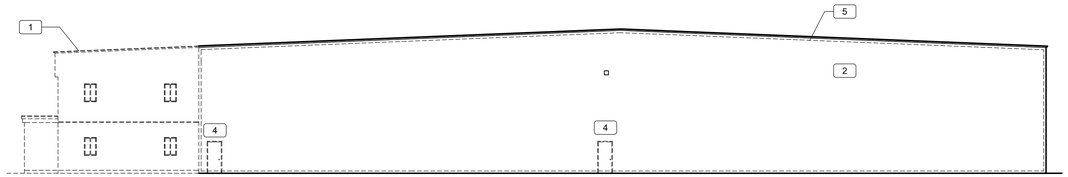
SHEET NUMBER
A001

ISSUED FOR BID

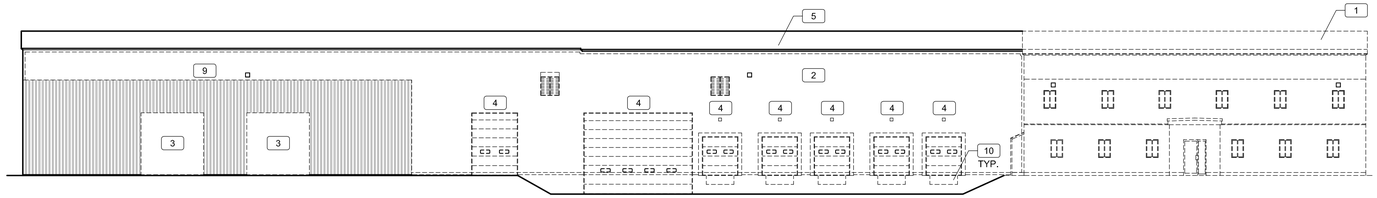
FEBRUARY 27, 2014



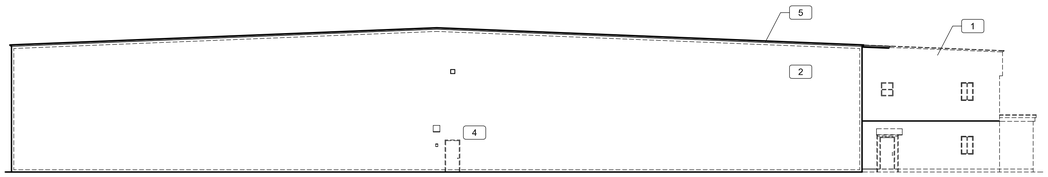
1 Demo Elevation - North
SCALE: 1/16" = 1'-0"



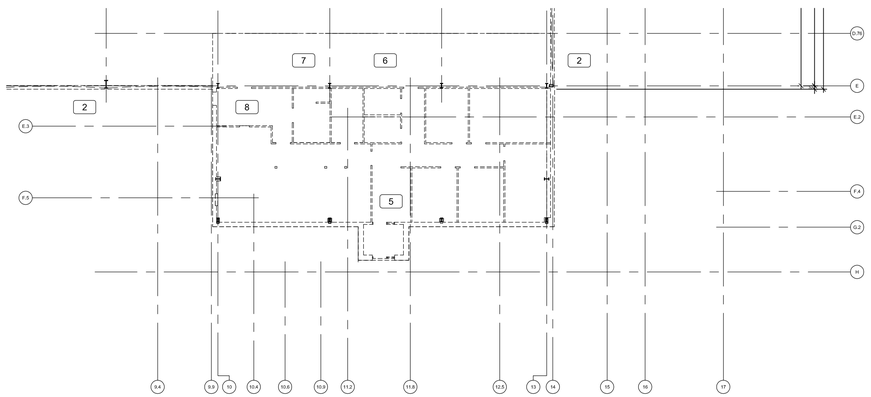
2 Demo Elevation - East
SCALE: 1/16" = 1'-0"



3 Demo Elevation - South
SCALE: 1/16" = 1'-0"



4 Demo Elevation - West
SCALE: 1/16" = 1'-0"



5 Demo Floor Plan
SCALE: 1/16" = 1'-0"

GENERAL DEMOLITION NOTES:

1. REFER TO STRUCTURAL FRAMING PLANS FOR ADDITIONAL DEMOLITION WORK AT EXISTING FOUNDATION. G.C SHALL BE RESPONSIBLE FOR ALL TEMPORARY SUPPORTS/SHORING AND BRACING AS REQUIRED FOR ALL STRUCTURAL MODIFICATIONS.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.
3. REMOVE ALL LIGHT FIXTURES AND DISPOSE OF UNLESS OTHERWISE NOTED TO BE SALVAGED FOR REINSTALLATION.

DEMOLITION KEY NOTES:

1. REMOVE EXISTING BUILDING ADDITION IN ITS ENTIRETY
2. REMOVE EXISTING METAL SIDING , TRIM, ACCESSOIES, LOUVERS, LIGHTING, EQUIPMENT, CONDUIT, AND INTERIOR INSULATION, AND OTHER ASSOCIATED MATERIALS IN THEIR ENTIRETY.
3. REMOVE METAL SIDING AND STEEL GIRTS AND ASSOCIATTED ITEMS TO ACCOMODATE NEW DOOR OPENING. COORDINATE EXTENTS OF DEMO IN THESE AREAS WITH DOOR SCHEDULE AND STRUCTURAL DOCUMENTS.
4. REMOVE EXISTING DOOR, ASSOCIATED FLASHING AND FRAMING IN THEIR ENTIRETY.
5. REMOVE STEEL ROOF DECK AND REMOVE ROOF INSULATION AND ASSOCIATED MATERIALS IN THEIR ENTIRETY, REMOVE ROOF EDGE AS REQUIRED BY SIDING REMOVAL.
6. REMOVE TWO STORY WOOD INFILL BUILDING IN ITS ENTIRETY.
7. REMOVE MANHOLE COVER AND RING OF ANY ABANDONED IN PLACE SEWER STRUCTURES TO ALLOW FOR FILL AND NEW INFILL SLAB. SEE PLUMBING AND STRUCTURAL DRAWINGS.
8. SEE PLUMBING DRAWINGS FOR MORE INFORMATION IN THIS AREA.
9. RETAIN EXISTING METAL SIDING IN THIS AREA, COORDINATE EXTENT WITH PROFILE OF PROPOSED BUILDING ADDITION. SEE ARCHITECTURAL AND STRUCTURAL FOR MORE INFO.
10. REMOVE LOADING DOCK BUMPERS AND SEALS IN THEIR ENTIRETY.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE –

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020116.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – DEMO

SHEET NUMBER

AD101

Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: AD101.DWG Allied Project No: 13057 Cad File:

ISSUED FOR BID
FEBRUARY 27, 2014

OFFICE 143
OFFICE 144
SIGN WORKSHOP 142
SIGN SHOP OFFICE 141
SIGN SHOP FLOOR 140
UNISEX 146
FABRICATION 180
PUBLICATIONS & LOCKERS 183
MACHINE 184
HEAVY VEHICLE SERVICE 160
SAW CUT SLAB
PAINTED PEDESTRIAN PATHWAYS BY OWNER, TYP.
FAST LANE 150
SEE DWG A101A
SEE DWG A101C
SEE DWG A101B
SEE DWG A101D
UNISEX 134
OFFICE 135
UNISEX 136
N.O.C. 133
OIT SHOP 137
CORRIDOR 130
OFFICE 132
OFFICE 138
FABRICATION 181
LIGHT VEHICLE SERVICE 170
OFFICE 131
ELECTRICAL 182
MECH 196
WASH 191
PAINT 192
PREP 193
BLAST 194
DUST 195
CHANGE 197
INSULATION NOT REQUIRED AT SOUND WALL
WOMEN 124A
UNISEX 124B
MEN 125
BREAK 123
CORRIDOR 120
NAPA 151
STAIR 2 ST21
WOMEN 117
MEN 118
OFFICE 121
STORAGE 116
MDF 119
COPY 107
OFFICE 106
OFFICE 105
OFFICE 101
OFFICE 102
OFFICE 103
OFFICE 100
OFFICE 104
ENTRY 110A
CORRIDOR 110
STAIR 1 ST11
MECH 115
OFFICE 114
OFFICE 113
CONFERENCE 112A
CONFERENCE 112B
BREAK 111
SPRINKLER 111A
SEE DWG A101C
SEE DWG A101D
365'-6"+/-
115'-0"

GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE M/S U.N.O.
2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.
3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.
4. SEE A601 FOR INTERIOR WINDOWS.
5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

1 First Floor Plan
SCALE: 1/16" = 1'-0"

PROJECT KEY PLAN

PLAN NORTH
DOT FLEET
FUTURE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
COMMISSIONER:	
CHIEF ENGINEER:	

SIGNATURE
–
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION
ARCHITECTURAL – FIRST FLOOR PLAN

SHEET NUMBER
A101

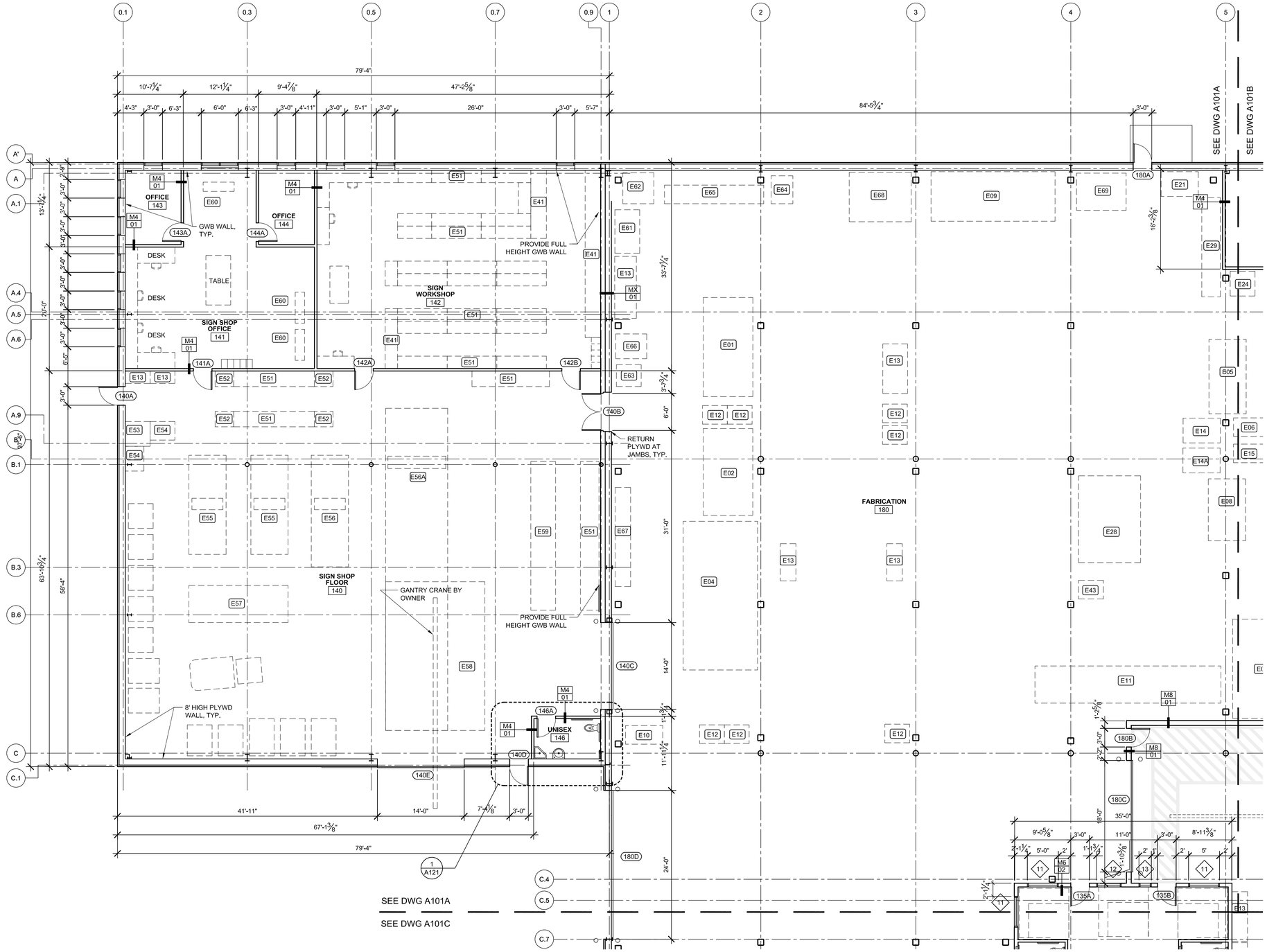
Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A101.DWG
Allied Project No: 13057 Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014



1 First Floor Plan - Area A

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

GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE M01 U.N.O.
2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.
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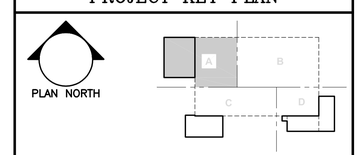
4. SEE A601 FOR INTERIOR WINDOWS.
5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

EQUIPMENT LIST

E01	PRESS BRAKE= 40,000
E02	SHEAR 10 FT= 36,000
E03	BURNING TABLE AND WATER TANK=22,500
E03A	BURN TABLE POWER SUPPLY
E04	STEEL RACK AND STOCK=100,000
E05	DRILL PRESS 8 FT= 4500
E06	HYDRA PRESS 150 TON= 2500
E07	40 INCH BAND SAW= 12,000
E08	200 TON PUNCH= 8000
E09	20 FT SETUP TABLE= 11,000
E10	SMALL BAND SAW= 800
E11	30 FEET ROLLS WITH MOTOR AND HYDRA= 4700
E12	WELDERS =600 LB EACH
E13	SETUP BENCHES 500 LB EACH
E14	2 SMALL DRILL PRESS= 1000 EACH
E14A	SMALL DRILL PRESS
E15	DRILL SHARPENER 400
E16	LATHE= 4000
E17	LATHE= 5000
E18	LATHE= 5000
E19	LARGE ARM DRILL= 8000
E20	HEATING OVEN= 600
E21	GRINDER= 2000
E22	LARGE BRIDGE PORT LATHE= 4000
E23	SMALL BRIDGE PORT LATHE= 2000
E24	BAND SAW= 200
E28	STEEL RACK WITH STOCK= 25,000
E29	TEST BENCH= 2000
E30	TIRE MACHINE 110A
E31	TIRE BALANCER 220A
E32	WASTE OIL
E33	3X 55 GALLON DRUMS
E34	PARTS WASHER 110A
E35	STRUT TOOL
E36	WHEEL WEIGHTS
E37	CHEMICAL BIN
E38	TOOL CABINET
E39	DRILL PRESS 110A
E40	GRINDER 110A
E41	WORK BENCH (NEW)
E42	4X 35 GALLON DRUMS
E43	WELDER
E44	TRANSMISSION FLUSH MACH.
E45	EVAP. LEAK MACHINE
E46	TRANSMISSION JACK
E47	TIRE HOIST
E48	TORCHES
E49	AVERAGE TOOL BOX (5 TOTAL)
E50	CABINET FOR MISC. STUFF
E51	SHELVES
E52	FILE
E53	PLAN TABLE
E54	WEEDING TABLE
E55	ROLLER
E56	SCOTCHLITE (OLD)
E56A	SCOTCHLITE
E57	WORK TABLE
E58	EXTRUDED SIGN ASSEMBLY
E59	EXTRUDED PANELS
E60	PRINT
E61	PANEL STOR.
E62	COMPRESSOR
E63	DUST
E64	BAND
E65	PANEL SAW
E66	DRILL PRESS
E67	CHOP SAW
E68	PARTS WASHER
E69	BLAST
E71	FORKLIFT CHARGER
E72	LARGE PRESS
E73	TIRE BAL.
E74	BAND SAW
E75	DRILL PRESS
E76	GRINDER
E77	BLAST CAB.
E78	B. SAND
E79	ROTARY TWO POST LIFT (2 TOTAL)
E80	POWER WASHER
E81	LATHE, BRAKE/DRUM
E82	OIL FILTER PRESS
E83	MOHAWK 4-POST VEHICLE LIFT
E84	DRILL PRESS (LOCATION TBD)
E85	VERTICAL BAND SAW (LOCATION TBD)
E86	DRILL PRESS (LOCATION TBD)
E87	FURNACE
E88	COMPRESSOR
E89	COMPRESSOR
E90	AIR DRYER
E91	BRIDGE CRANE
E92	MEDIA RECOVERY STORAGE
E93	PAINT BOOTH
E94	COMPRESSOR
E95	LATHE, BENCH MOUNTED (LOCATION TBD)

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

SIGNATURE –

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR PLAN – AREA–A

SHEET NUMBER

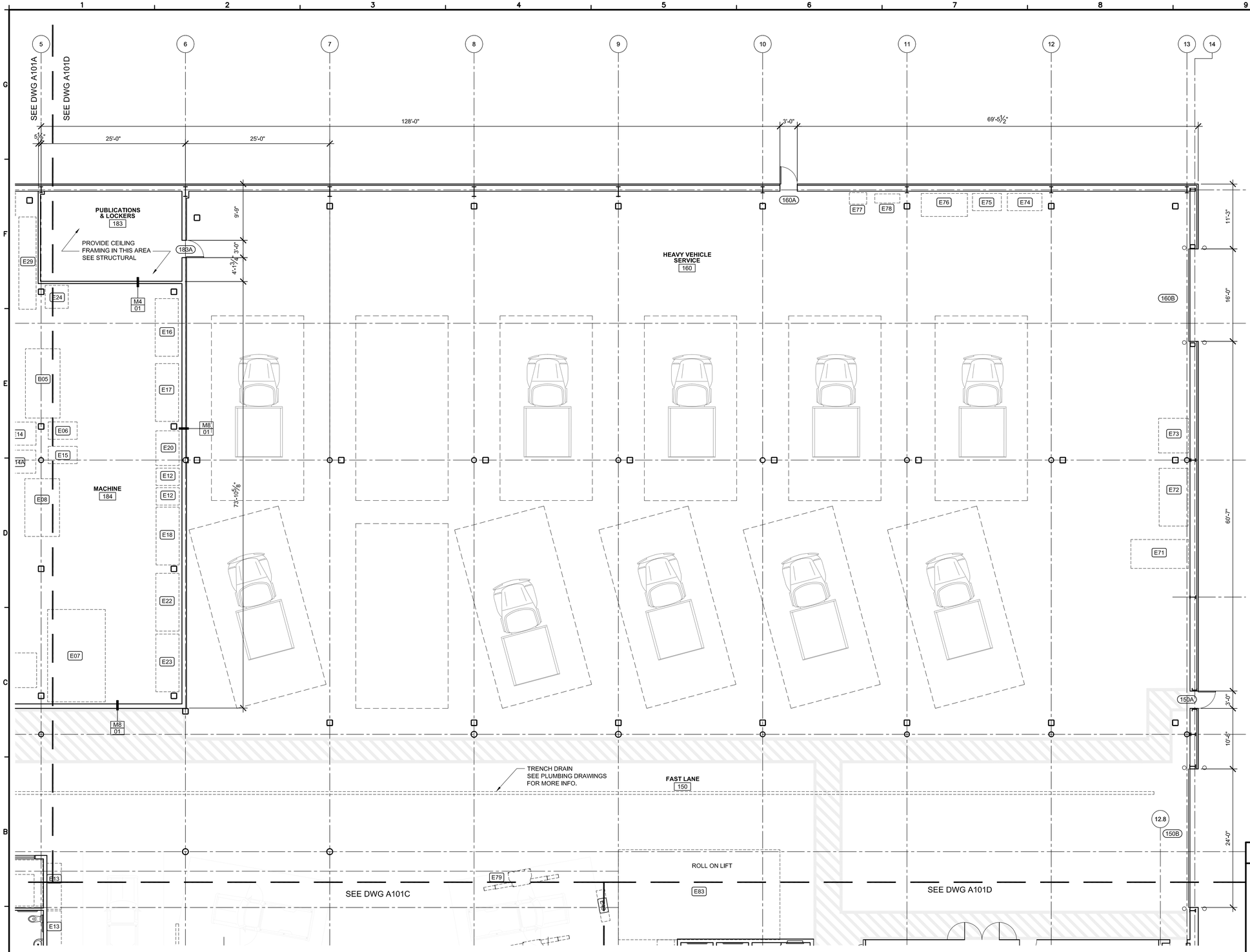
A101A

Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A101A.DWG

Allied Project No: 13057 Cad File:



1 First Floor Plan - Area B
SCALE: 1/8" = 1'-0"

GENERAL NOTES: SEE A101A

1. SEE A601 FOR PARTITION DETAILS WALLS TYPE M$^{S}_{01}$ U.N.O.

2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.

3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.

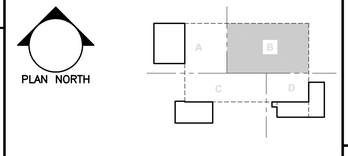
4. SEE A601 FOR INTERIOR WINDOWS.

5. DOOR OPENINGS TO BE 6" OFF ADJACENT FINISH U.N.O.

EQUIPMENT LIST

E01	PRESS BRAKE= 40,000
E02	SHEAR 10 FT= 36,000
E03	BURNING TABLE AND WATER TANK=22,500
E03A	BURN TABLE POWER SUPPLY
E04	STEEL RACK AND STOCK=100,000
E05	DRILL PRESS 8 FT= 4500
E06	HYDRA PRESS 150 TON= 2500
E07	40 INCH BAND SAW= 12,000
E08	200 TON PUNCH= 8000
E09	20 FT SETUP TABLE= 11,000
E10	SMALL BAND SAW= 800
E11	30 FEET ROLLS WITH MOTOR AND HYDRA= 4700
E12	WELDERS =600 LB EACH
E13	SETUP BENCHES 500 LB EACH
E14	2 SMALL DRILL PRESS= 1000 EACH
E14A	SMALL DRILL PRESS
E15	DRILL SHARPENER 400
E16	LATHE= 4000
E17	LATHE= 5000
E18	LATHE= 5000
E19	LARGE ARM DRILL= 8000
E20	HEATING OVEN= 600
E21	GRINDER= 2000
E22	LARGE BRIDGE PORT LATHE= 4000
E23	SMALL BRIDGE PORT LATHE= 2000
E24	BAND SAW= 200
E28	STEEL RACK WITH STOCK= 25,000
E29	TEST BENCH= 2000
E30	TIRE MACHINE 110A
E31	TIRE BALANCER 220A
E32	WASTE OIL
E33	3X 55 GALLON DRUMS
E34	PARTS WASHER 110A
E35	STRUT TOOL
E36	WHEEL WEIGHTS
E37	CHEMICAL BIN
E38	TOOL CABINET
E39	DRILL PRESS 110A
E40	GRINDER 110A
E41	WORK BENCH (NEW)
E42	4X 35 GALLON DRUMS
E43	WELDER
E44	TRANSMISSION FLUSH MACH.
E45	EVAP. LEAK MACHINE
E46	TRANSMISSION JACK
E47	TIRE HOIST
E48	TORCHES
E49	AVERAGE TOOL BOX (5 TOTAL)
E50	CABINET FOR MISC. STUFF
E51	SHELVES
E52	FILE
E53	PLAN TABLE
E54	WEEDING TABLE
E55	ROLLER
E56	SCOTCHLITE (OLD)
E56A	SCOTCHLITE
E57	WORK TABLE
E58	EXTRUDED SIGN ASSEMBLY
E59	EXTRUDED PANELS
E60	PRINT
E61	PANEL STOR.
E62	COMPRESSOR
E63	DUST
E64	BAND
E65	PANEL SAW
E66	DRILL PRESS
E67	CHOP SAW
E68	PARTS WASHER
E69	BLAST
E71	FORKLIFT CHARGER
E72	LARGE PRESS
E73	TIRE BAL.
E74	BAND SAW
E75	DRILL PRESS
E76	GRINDER
E77	BLAST CAB.
E78	B. SAND
E79	ROTARY TWO POST LIFT (2 TOTAL)
E80	POWER WASHER
E81	LATHE, BRAKE/DRUM
E82	OIL FILTER PRESS
E83	MOHAWK 4-POST VEHICLE LIFT
E84	DRILL PRESS (LOCATION TBD)
E85	VERTICAL BAND SAW (LOCATION TBD)
E86	DRILL PRESS (LOCATION TBD)
E87	FURNACE
E88	COMPRESSOR
E89	COMPRESSOR
E90	AIR DRYER
E91	BRIDGE CRANE
E92	MEDIA RECOVERY STORAGE
E93	PAINT BOOTH
E94	COMPRESSOR
E95	LATHE, BENCH MOUNTED (LOCATION TBD)

PROJECT KEY PLAN



ISSUED FOR BID
FEBRUARY 27, 2014

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE
COMMISSIONER:
CHIEF ENGINEER:

SIGNATURE
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR PLAN – AREA–B

SHEET NUMBER
A101B

Scott Simons Architects
Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2360
207.221.2366
www.allied-eng.com

FILENAME: A101B.DWG Allied Project No: 13057 Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014

SEE DWG A101A

SEE DWG A101C

SEE DWG A101B

SEE DWG A101C

SEE DWG A101D

OFFICE 135

UNISEX 134

UNISEX 136

N.O.C. 133

OIT SHOP 137

CORR. 130

OFFICE 132

OFFICE 138

OFFICE 131

FABRICATION 181

ELECTRICAL 182

PAINT 192

PREP 193

BLAST 194

PIT

PRECIP

DUST 195

MEZZANINE 196A

WASH 191

CHANGE 197

LIGHT VEHICLE SERVICE 170

HAND WASH STATION

DRINKING FOUNTAIN

TRENCH DRAIN, SEE PLUMBING DRAWINGS, TYP.

TRENCH DRAIN

WHITE BOARD

TABLE

FILES

LADDER

RECPT

PROVIDE STEEL JAMB ENCLOSURE

PROVIDE GWB FLOOR TO CEILING

SEE STRUCTURAL DWGS FOR CLG FRAMING

LADDER TO MEZZANINE

FLOOR DRAIN, SEE PLUMBING DRAWINGS

RELOCATE DOOR FROM WEST BOOTH LOCATION

ENCLOSURE FOR RECESSED LIGHTS 5/8" PLYWOOD ON METAL STUDS

48" x 36" LOUVRE

60" x 54" LOUVRE

E80 ABOVE

E87 ABOVE

E88 ABOVE

E89 ABOVE

E90 ABOVE

E91 ABOVE

MEZZANINE ABOVE

GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE M 01 02 U.N.O.

2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.

3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.

4. SEE A601 FOR INTERIOR WINDOWS.

5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

EQUIPMENT LIST

E01	PRESS BRAKE= 40,000
E02	SHEAR 10 FT= 36,000
E03	BURNING TABLE AND WATER TANK=22,500
E03A	BURN TABLE POWER SUPPLY
E04	STEEL RACK AND STOCK=100,000
E05	DRILL PRESS 8 FT= 4500
E06	HYDRA PRESS 150 TON= 2500
E07	40 INCH BAND SAW= 12,000
E08	200 TON PUNCH= 8000
E09	20 FT SETUP TABLE= 11,000
E10	SMALL BAND SAW= 800
E11	30 FEET ROLLS WITH MOTOR AND HYDRA= 4700
E12	WELDERS =600 LB EACH
E13	SETUP BENCHES 500 LB EACH
E14	2 SMALL DRILL PRESS= 1000 EACH
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E16	LATHE= 4000
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E35	STRUT TOOL
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E37	CHEMICAL BIN
E38	TOOL CABINET
E39	DRILL PRESS 110A
E40	GRINDER 110A
E41	WORK BENCH (NEW)
E42	4X 35 GALLON DRUMS
E43	WELDER
E44	TRANSMISSION FLUSH MACH.
E45	EVAP. LEAK MACHINE
E46	TRANSMISSION JACK
E47	TIRE HOIST
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E49	AVERAGE TOOL BOX (5 TOTAL)
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E91	BRIDGE CRANE
E92	MEDIA RECOVERY STORAGE
E93	PAINT BOOTH
E94	COMPRESSOR
E95	LATHE, BENCH MOUNTED (LOCATION TBD)

PLYWOOD BOX FOR BLAST BAY RECESSED LIGHT FIXTURES. TYP. 4 LOCATIONS: 1/4" SCALE

8'-0" 2'-0" 2'-0" 3'-0" 2'-0" 2'-0"

1/2" PLYWOOD 2 X 6 FRAMING

RECESSED 2 X 4 LIGHT

CMU WALL

1 First Floor Plan - Area C

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

PROJECT KEY PLAN

PLAN NORTH

A B C D

Scott Simons Architects

FILENAME: A101C.DWG

Allied Project No: 13557 Cad File:

Allied Engineering

Structural Mechanical Electrical Commissioning

160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2366
www.allied-eng.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

SIGNATURE	–
ARCH. LIN. NUMBER	
DATE	FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR PLAN – AREA–C

SHEET NUMBER

A101C

ISSUED FOR BID

FEBRUARY 27, 2014

GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE $\frac{M6}{01}$ U.N.O.
2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.
3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.
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5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

EQUIPMENT LIST

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E05 DRILL PRESS 8 FT= 4500
E06 HYDRA PRESS 150 TON= 2500
E07 40 INCH BAND SAW= 12,000
E08 200 TON PUNCH= 8000
E09 20 FT SETUP TABLE= 11,000
E10 SMALL BAND SAW= 800
E11 30 FEET ROLLS WITH MOTOR AND HYDRA= 4700
E12 WELDERS =600 LB EACH
E13 SETUP BENCHES 500 LB EACH
E14 2 SMALL DRILL PRESS= 1000 EACH
E14A SMALL DRILL PRESS
E15 DRILL SHARPENER 400
E16 LATHE= 4000
E17 LATHE= 5000
E18 LATHE= 5000
E19 LARGE ARM DRILL= 8000
E20 HEATING OVEN= 600
E21 GRINDER= 2000
E22 LARGE BRIDGE PORT LATHE= 4000
E23 SMALL BRIDGE PORT LATHE= 2000
E24 BAND SAW= 200
E28 STEEL RACK WITH STOCK= 25,000
E29 TEST BENCH= 2000
E30 TIRE MACHINE 110A
E31 TIRE BALANCER 220A
E32 WASTE OIL
E33 3X 55 GALLON DRUMS
E34 PARTS WASHER 110A
E35 STRUT TOOL
E36 WHEEL WEIGHTS
E37 CHEMICAL BIN
E38 TOOL CABINET
E39 DRILL PRESS 110A
E40 GRINDER 110A
E41 WORK BENCH (NEW)
E42 4X 35 GALLON DRUMS
E43 WELDER
E44 TRANSMISSION FLUSH MACH.
E45 EVAP. LEAK MACHINE
E46 TRANSMISSION JACK
E47 TIRE HOIST
E48 TORCHES
E49 AVERAGE TOOL BOX (5 TOTAL)
E50 CABINET FOR MISC. STUFF
E51 SHELVES
E52 FILE
E53 PLAN TABLE
E54 WEEDING TABLE
E55 ROLLER
E56 SCOTCHLITE (OLD)
E56A SCOTCHLITE
E57 WORK TABLE
E58 EXTRUDED SIGN ASSEMBLY
E59 EXTRUDED PANELS
E60 PRINT
E61 PANEL STOR.
E62 COMPRESSOR
E63 DUST
E64 BAND
E65 PANEL SAW
E66 DRILL PRESS
E67 CHOP SAW
E68 PARTS WASHER
E69 BLAST
E71 FORKLIFT CHARGER
E72 LARGE PRESS
E73 TIRE BAL.
E74 BAND SAW
E75 DRILL PRESS
E76 GRINDER
E77 BLAST CAB.
E78 B. SAND
E79 ROTARY TWO POST LIFT (2 TOTAL)
E80 POWER WASHER
E81 LATHE, BRAKE/DRUM
E82 OIL FILTER PRESS
E83 MOHAWK 4-POST VEHICLE LIFT
E84 DRILL PRESS (LOCATION TBD)
E85 VERTICAL BAND SAW (LOCATION TBD)
E86 DRILL PRESS (LOCATION TBD)
E87 FURNACE
E88 COMPRESSOR
E89 COMPRESSOR
E90 AIR DRYER
E91 BRIDGE CRANE
E92 MEDIA RECOVERY STORAGE
E93 PAINT BOOTH
E94 COMPRESSOR
E95 LATHE, BENCH MOUNTED (LOCATION TBD)

SEE DWG 101B
SEE DWG 101D
SEE DWG 101C
SEE DWG 101D

1 First Floor Plan - Area D
SCALE: 1/8" = 1'-0"

PROJECT KEY PLAN

PLAN NORTH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE –

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM

PROJECT MANAGER

DESIGNER ALLIED ENG., INC.

CONSULTANT SSA

PROJECT RESIDENT

CONTRACTOR

PROJECT COMPLETION DATE –

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR PLAN – AREA–D

SHEET NUMBER

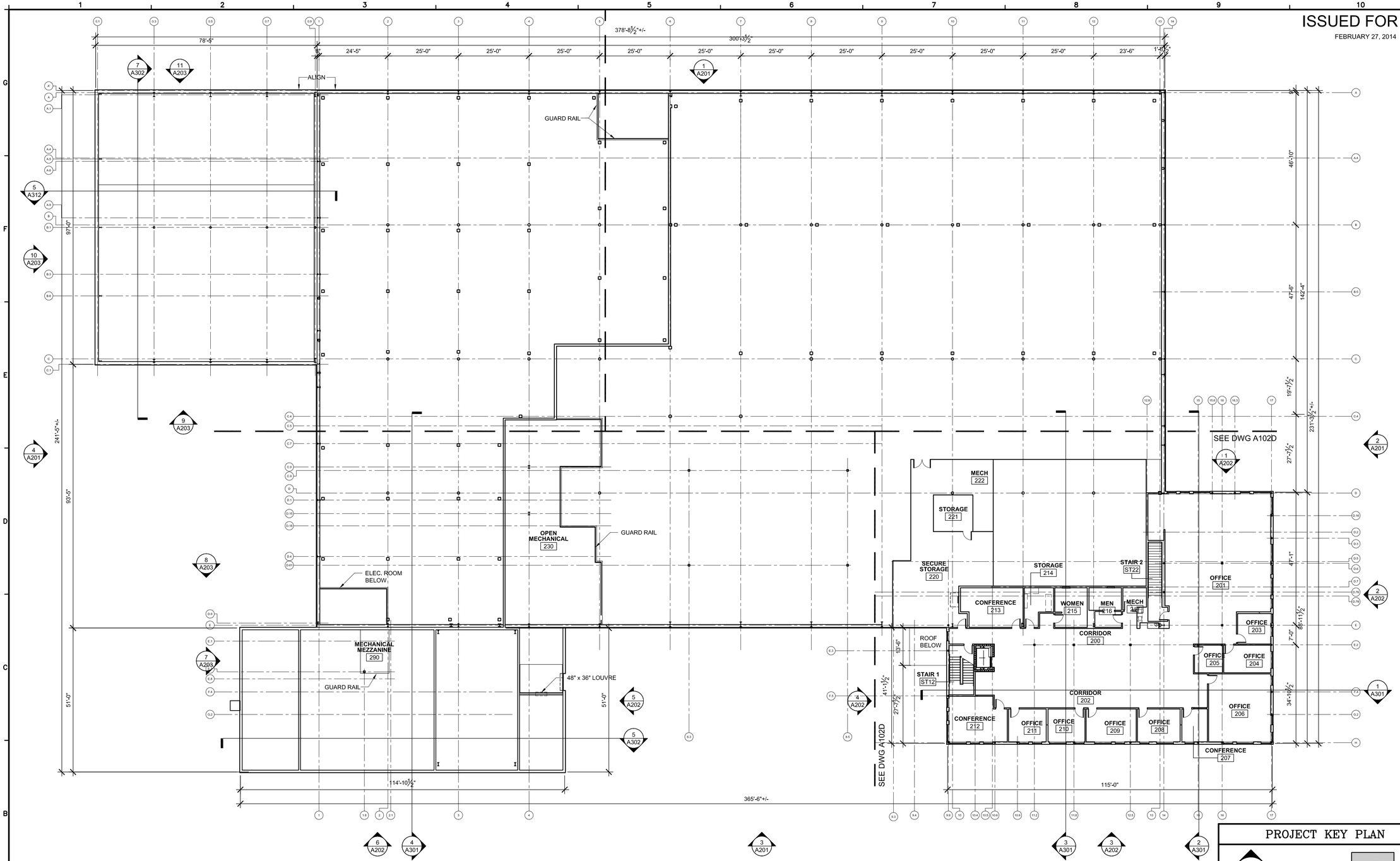
A101D

Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A101D.DWG Allied Project No: 13057 Cad File:

ISSUED FOR BID
FEBRUARY 27, 2014

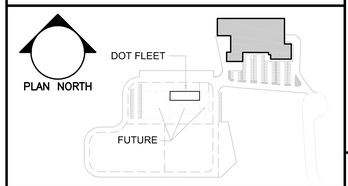


1 Second Floor Plan
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE M, U.N.O.
2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.
3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.
4. SEE A601 FOR INTERIOR WINDOWS.
5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE –
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – SECOND FLOOR PLAN

SHEET NUMBER
A102

SSA Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
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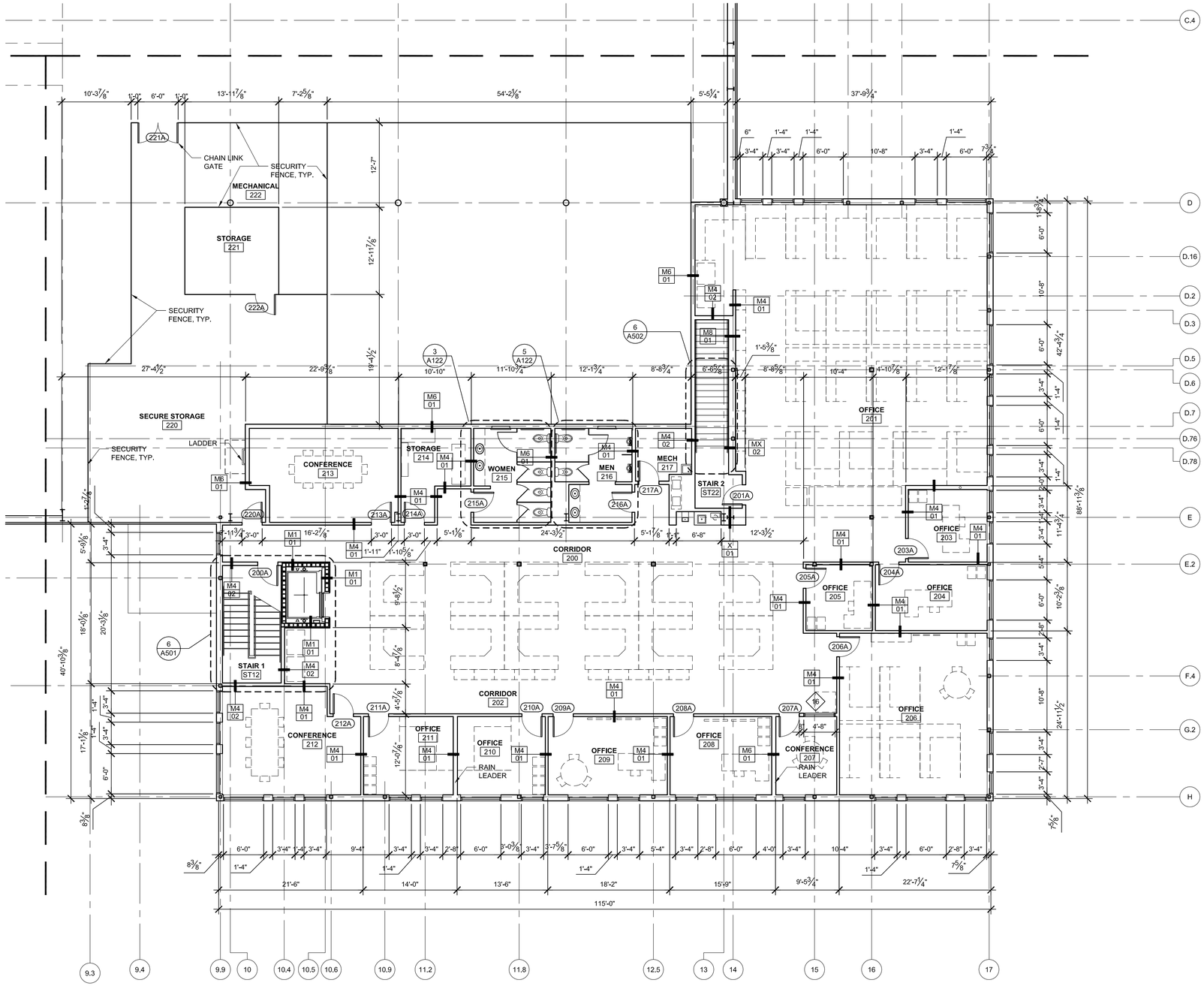
207.221.2566
www.allied-eng.com

FILENAME: A102.DWG
Allied Project No: 13057 Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014



1 Second Floor Plan - Area D

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

GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE M01 U.N.O.
2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.
3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.
4. SEE A601 FOR INTERIOR WINDOWS.
5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER –

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – SECOND FLOOR PLAN – AREA–D

PROJECT KEY PLAN

PLAN NORTH

SHEET NUMBER

A102D

Scott Simons Architects

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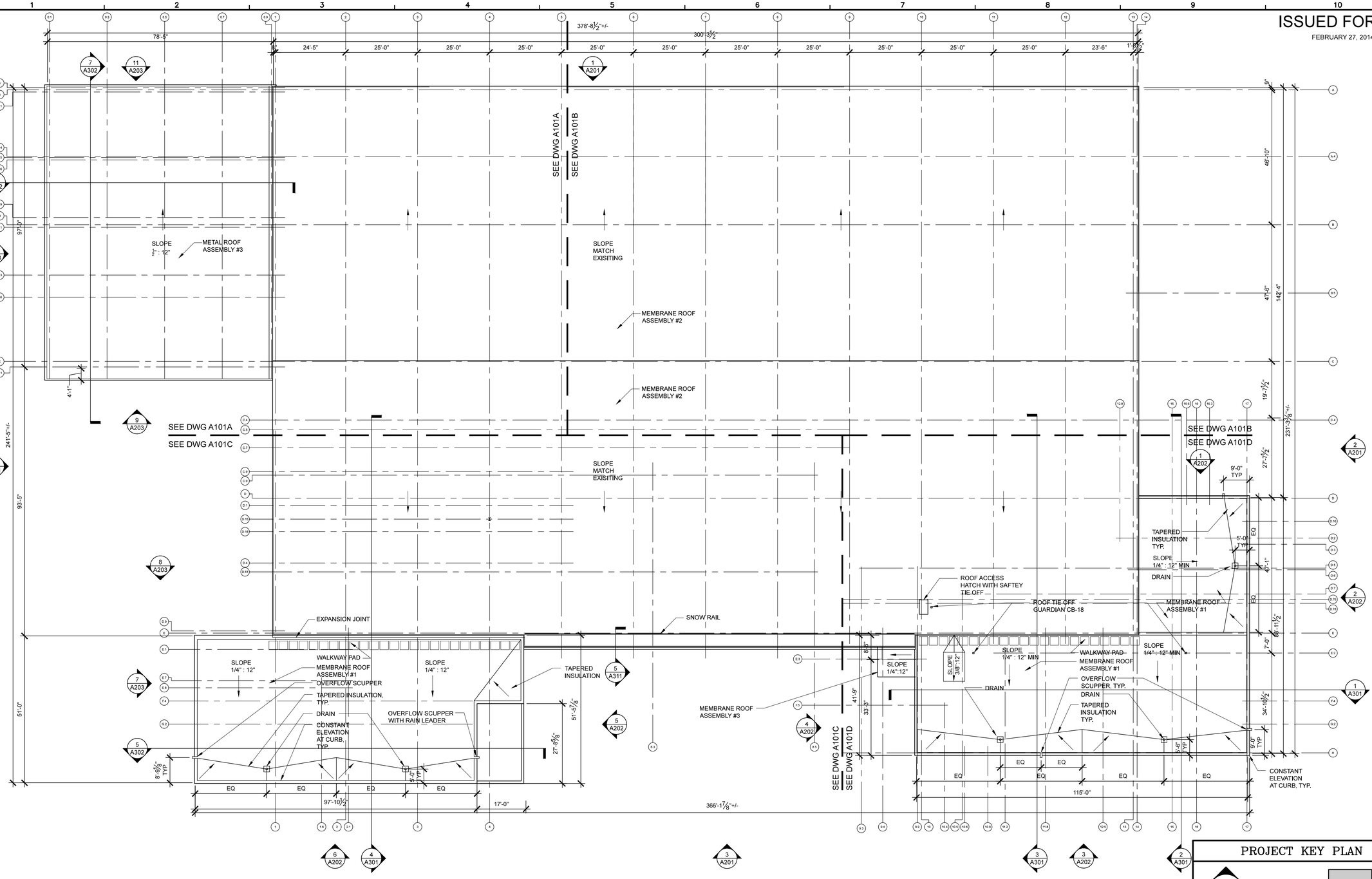
207.221.2266
www.allied-eng.com

FILENAME: A102D.DWG Allied Project No: 13057 Cad File:

ISSUED FOR BID
FEBRUARY 27, 2014



1 Roof Plan
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE M4 U.N.O.
2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.
3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.
4. SEE A601 FOR INTERIOR WINDOWS.
5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

MEMBRANE ROOF ASSEMBLY #1

MEMBRANE ROOFING
5" RIGID INSULATION (POLYISO, R-31)
VAPOR BARRIER
8" PRECAST PLANK
CEILING AS NOTED

MEMBRANE ROOF ASSEMBLY #2

MEMBRANE ROOFING
4" RIGID INSULATION (POLYISO, R-25)
VAPOR BARRIER
1" METAL ROOF DECKING

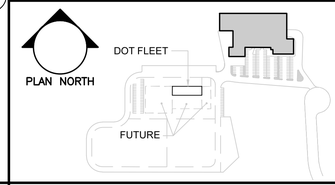
MEMBRANE ROOF ASSEMBLY #3

MEMBRANE ROOFING
4" RIGID INSULATION (POLYISO, R-24.8)
VAPOR BARRIER
6" PRECAST PLANK
CEILING AS NOTED

METAL ROOF ASSEMBLY #3

METAL ROOFING
5" RIGID INSULATION (POLYISO, R-31)
VAPOR BARRIER
1" METAL ROOF DECK

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE	–
ARCH. LIN. NUMBER	
DATE	FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – ROOF PLAN

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SHEET NUMBER
A103

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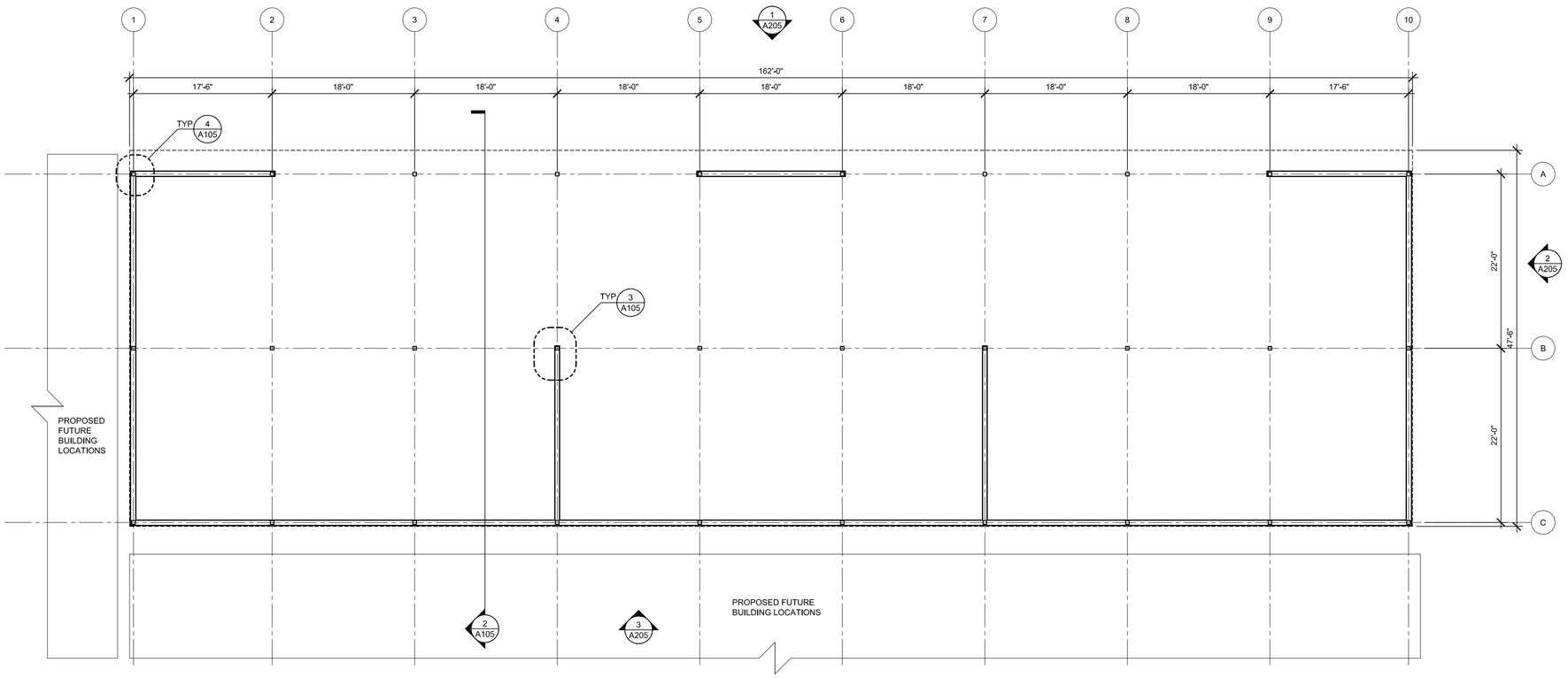
www.allied-eng.com

FILENAME: A103.DWG
Allied Project No: 13057 Cad File:

ISSUED FOR BID

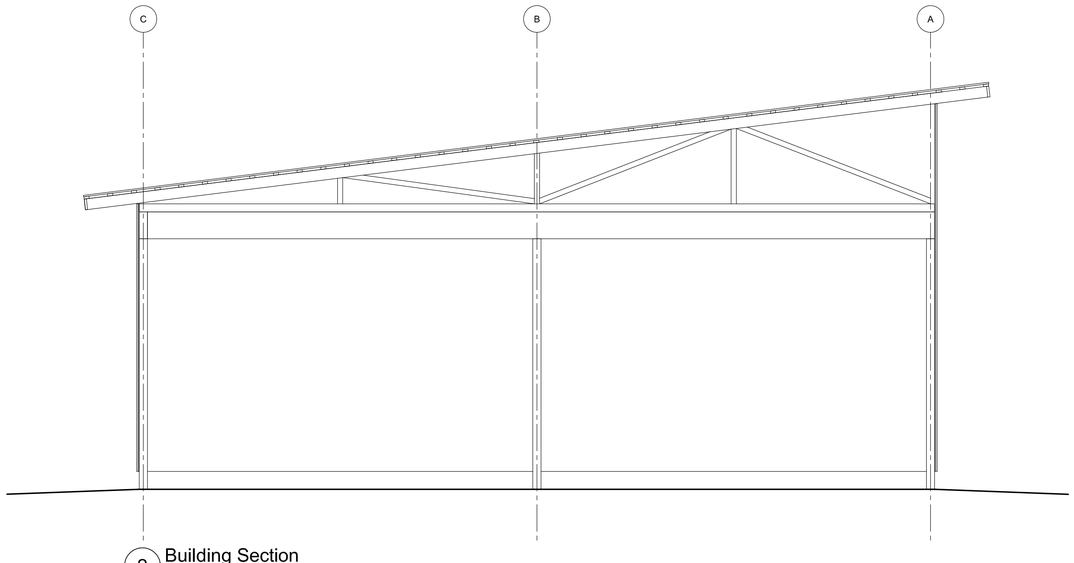
FEBRUARY 27, 2014



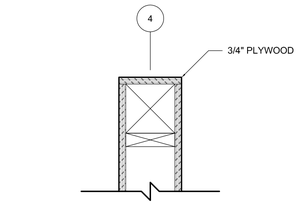
GENERAL NOTES:

1. SEE A601 FOR PARTITION DETAILS- WALLS TYPE M^{5}_{0} U.N.O.
2. EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY AND IS NOT PROVIDED AS PART OF SCOPE OF CONTRACT U.N.O.
3. ALL DIMENSIONS TO FACE OF STUD/BLOCK/ FOUNDATION U.N.O. WINDOW DIMENSIONS ARE TO UNIT SIZE NOT ROUGH OPENING.
4. SEE A601 FOR INTERIOR WINDOWS.
5. DOOR OPENING TO BE 6" OFF ADJACENT FINISH U.N.O.

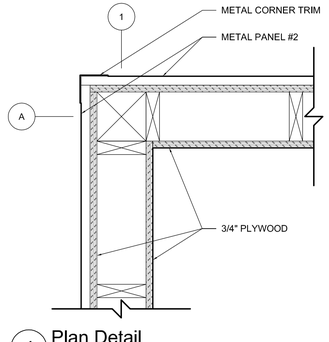
1 Floor Plan
SCALE: 1/8" = 1'-0"



2 Building Section
SCALE: 1/4" = 1'-0"

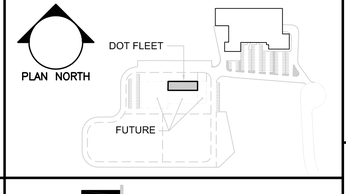


3 Plan Detail
SCALE: 1 1/2" = 1'-0"



4 Plan Detail
SCALE: 1 1/2" = 1'-0"

PROJECT KEY PLAN



Scott Simons Architects

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www.allied-eng.com

FILENAME: A105.DWG

Allied Project No: 13057 Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE -

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

INFORMATION

PROJECT	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

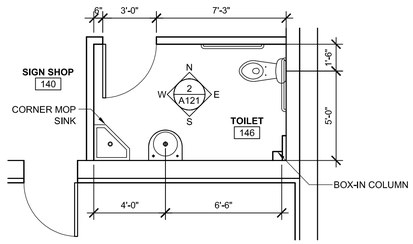
ARCHITECTURAL – DOT FLEET
FLOOR PLAN

SHEET NUMBER

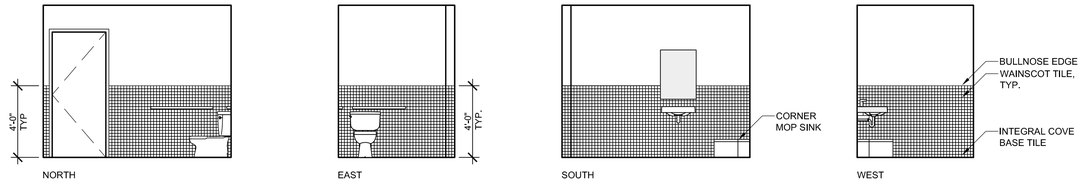
A105

ISSUED FOR BID

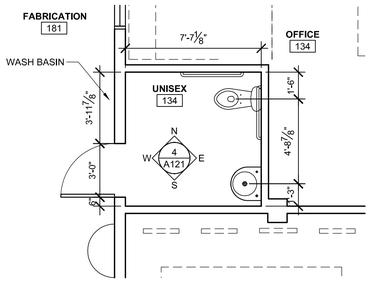
FEBRUARY 27, 2014



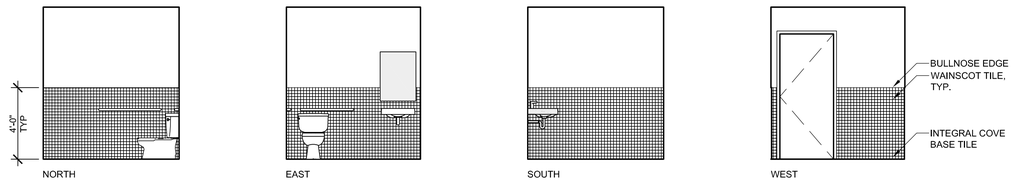
1 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



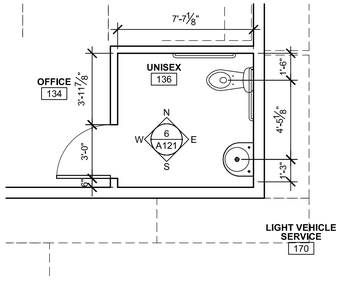
2 Interior Elevations
SCALE: 1/4" = 1'-0"



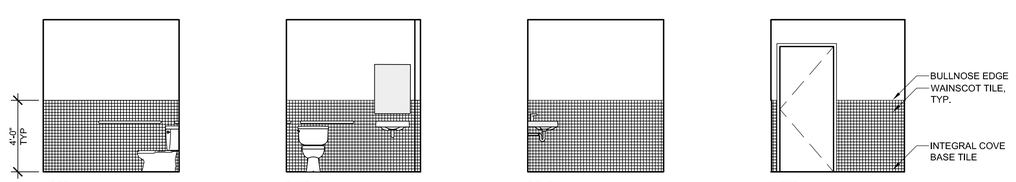
3 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



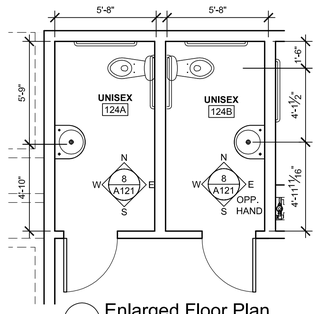
4 Interior Elevations
SCALE: 1/4" = 1'-0"



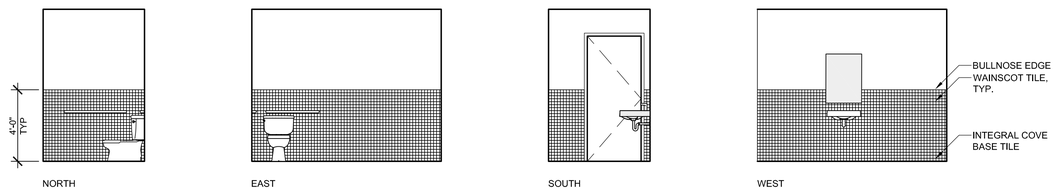
5 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



6 Interior Elevations
SCALE: 1/4" = 1'-0"



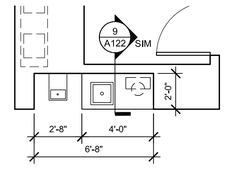
7 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



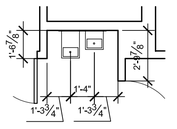
8 Interior Elevations
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. ALL DIMENSIONS ARE FROM FACE OF FINISH U.N.O.
2. SEE A121 FOR TYPICAL FIXTURE MOUNTING HEIGHTS.
3. COORDINATE IN WALL BLOCKING REQUIREMENTS OF OWNER FURNISHED BATHROOM ACCESSORIES.



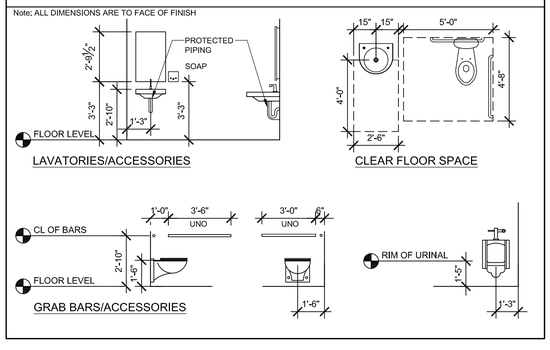
9 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



10 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"

TYPICAL DIMENSIONS FOR BATHROOM FIXTURES AND ACCESSORIES

Note: ALL DIMENSIONS ARE TO FACE OF FINISH



WIN: 020118.20

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE	-
ARCH. LIN. NUMBER	
DATE	FEBRUARY 27, 2014

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – ENLARGED FLOOR PLAN

SHEET NUMBER
A121

SSA Scott Simons Architects

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www.allied-eng.com

FILENAME: A121.DWG

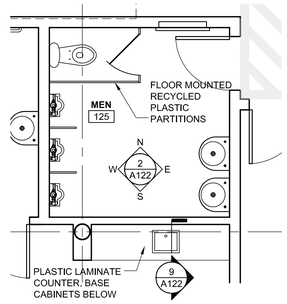
Allied Project No: 13057 Cad File:

ISSUED FOR BID

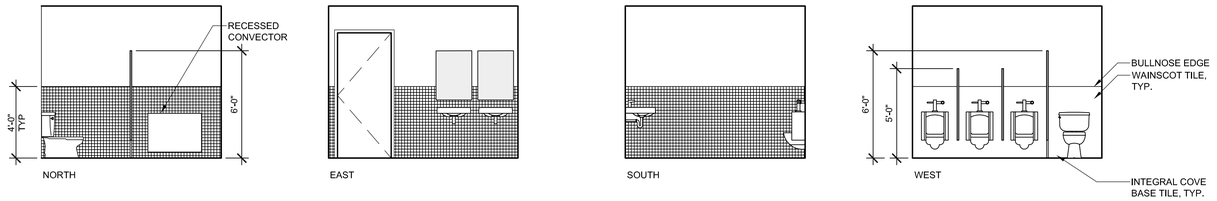
FEBRUARY 27, 2014

GENERAL NOTES:

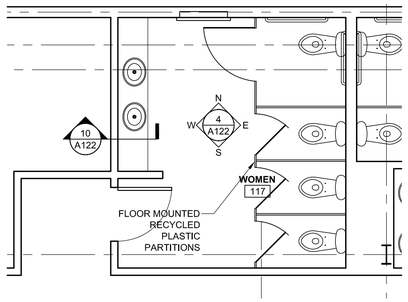
1. ALL DIMENSIONS ARE FROM FACE OF FINISH U.N.O.
2. SEE A121 FOR TYPICAL FIXTURE MOUNTING HEIGHTS.
3. COORDINATE IN WALL BLOCKING REQUIREMENTS OF OWNER FURNISHED BATHROOM ACCESSORIES.



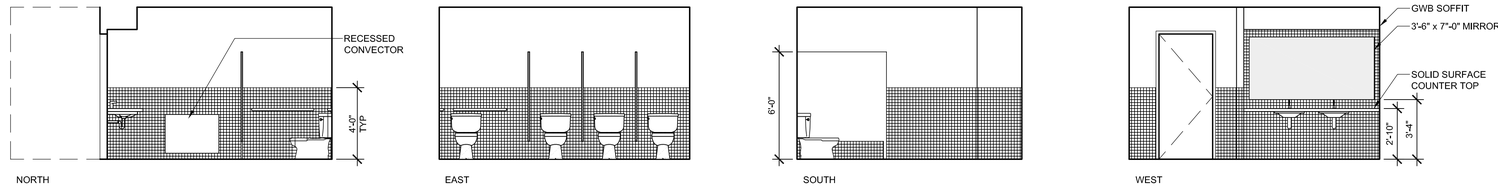
1 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



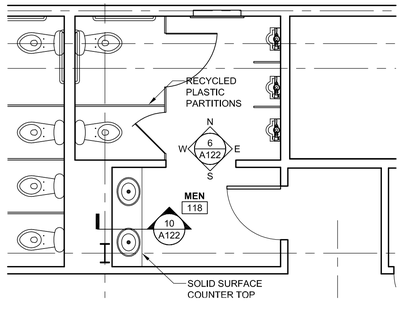
2 Interior Elevations
SCALE: 1/4" = 1'-0"



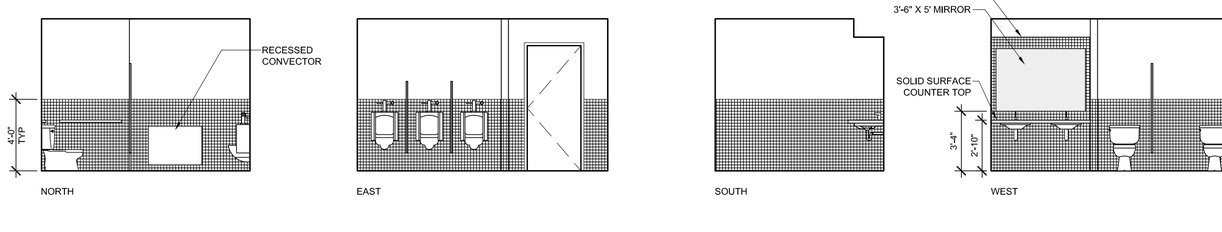
3 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



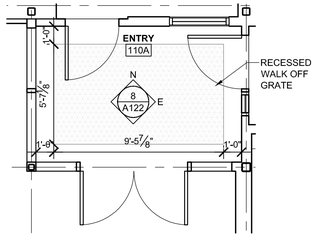
4 Interior Elevations
SCALE: 1/4" = 1'-0"



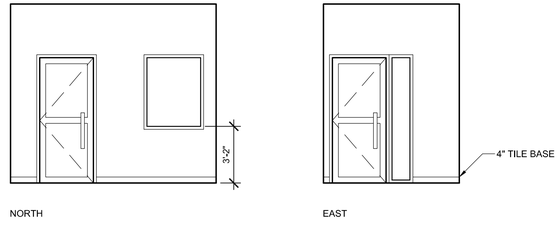
5 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



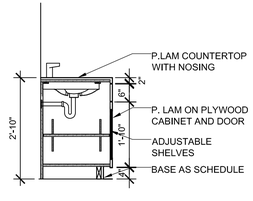
6 Interior Elevations
SCALE: 1/4" = 1'-0"



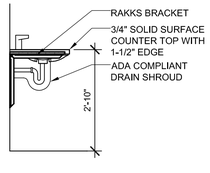
7 Enlarged Floor Plan
SCALE: 1/4" = 1'-0"



8 Interior Elevations
SCALE: 1/4" = 1'-0"



9 Cabinet Detail
SCALE: 1/2" = 1'-0"



10 Counter Detail
SCALE: 1/2" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE -

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

WIN: 020118.20

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – ENLARGED FLOOR PLAN

SHEET NUMBER
A122

Scott Simons Architects

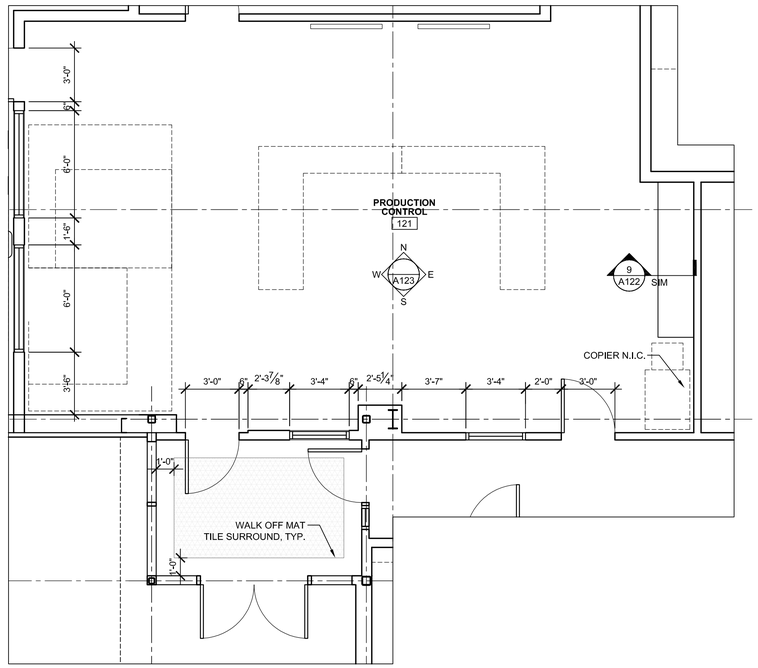
Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A122.DWG

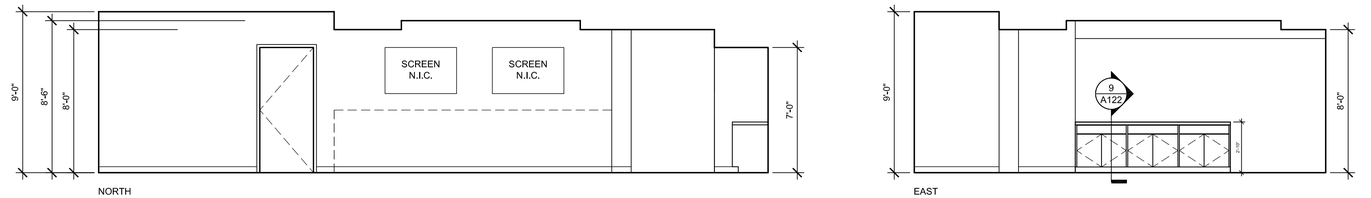
Allied Project No: 13057 Cad File:

ISSUED FOR BID

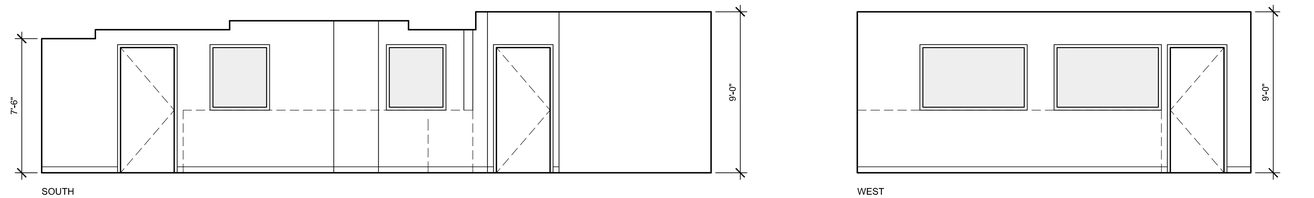
FEBRUARY 27, 2014



1 Enlarged First Floor Plan
SCALE: 1/4" = 1'-0"



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



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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE –
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

INFORMATION

PROJECT	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ISSUED ENG., INC.
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – ENLARGED FLOOR PLAN

SHEET NUMBER
A123

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www.allied-eng.com

FILENAME: A123.DWG
Allied Project No: 13057 Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014

SEE DWG A131A
SEE DWG A131C

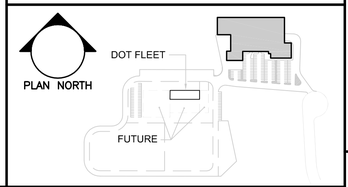
SEE DWG A131A
SEE DWG A131B

SEE DWG A131B
SEE DWG A131D

SEE DWG A131C
SEE DWG A131D

1 First Floor Reflected Ceiling Plan
SCALE: 1/16" = 1'-0"

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE –
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR
REFLECTED CEILING PLAN

SHEET NUMBER
A131

SSA Scott Simons Architects

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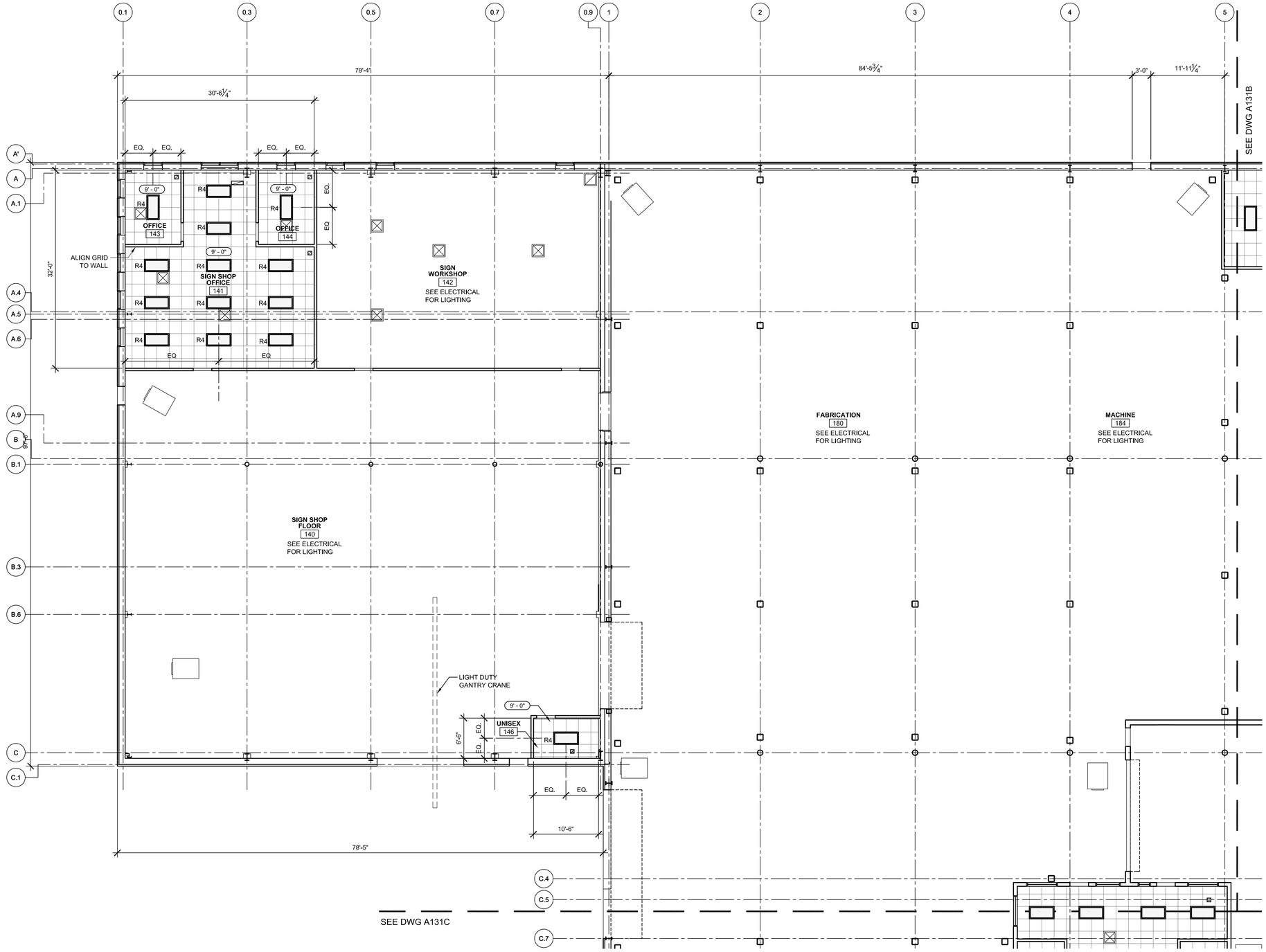
207.221.2366
www.allied-eng.com

FILENAME: A131.DWG

Allied Project No: 13057 Cad File:

ISSUED FOR BID
FEBRUARY 27, 2014

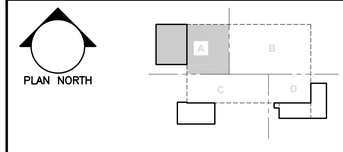


LIGHTING LEGEND

- R2 — 2' x 2' Recessed Fixture
- SR2 — 2' x 2' Semi Recessed Fixture
- R4 — 2' x 4' Recessed Fixture
- S2 — Surface Mount Fixture
- RD1 — Recessed Down Light
- RD2 — Recessed Down Light
- S6 — Surface Mount Linear Fixture
- S8 — Surface Mount Linear Fixture
- P6 — Pendant Mount Linear Fixture
- P8 — Pendant Mount Linear Fixture
- P12 — Pendant Mount Linear Fixture
- P16 — Pendant Mount Linear Fixture
- W3 — Wall Mount Linear Fixture
- W4 — Wall Mount Linear Fixture
- 2' x 2' Suspended ACT
- GWB
- Concrete Plank
- GUH
- Supply
- Return
- Vent

1 First Floor Reflected Ceiling Plan - Area A
SCALE: 1/8" = 1'-0"

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR
REFLECTED CEILING PLAN – AREA–A

SHEET NUMBER
A131A

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Portland, Maine 04103
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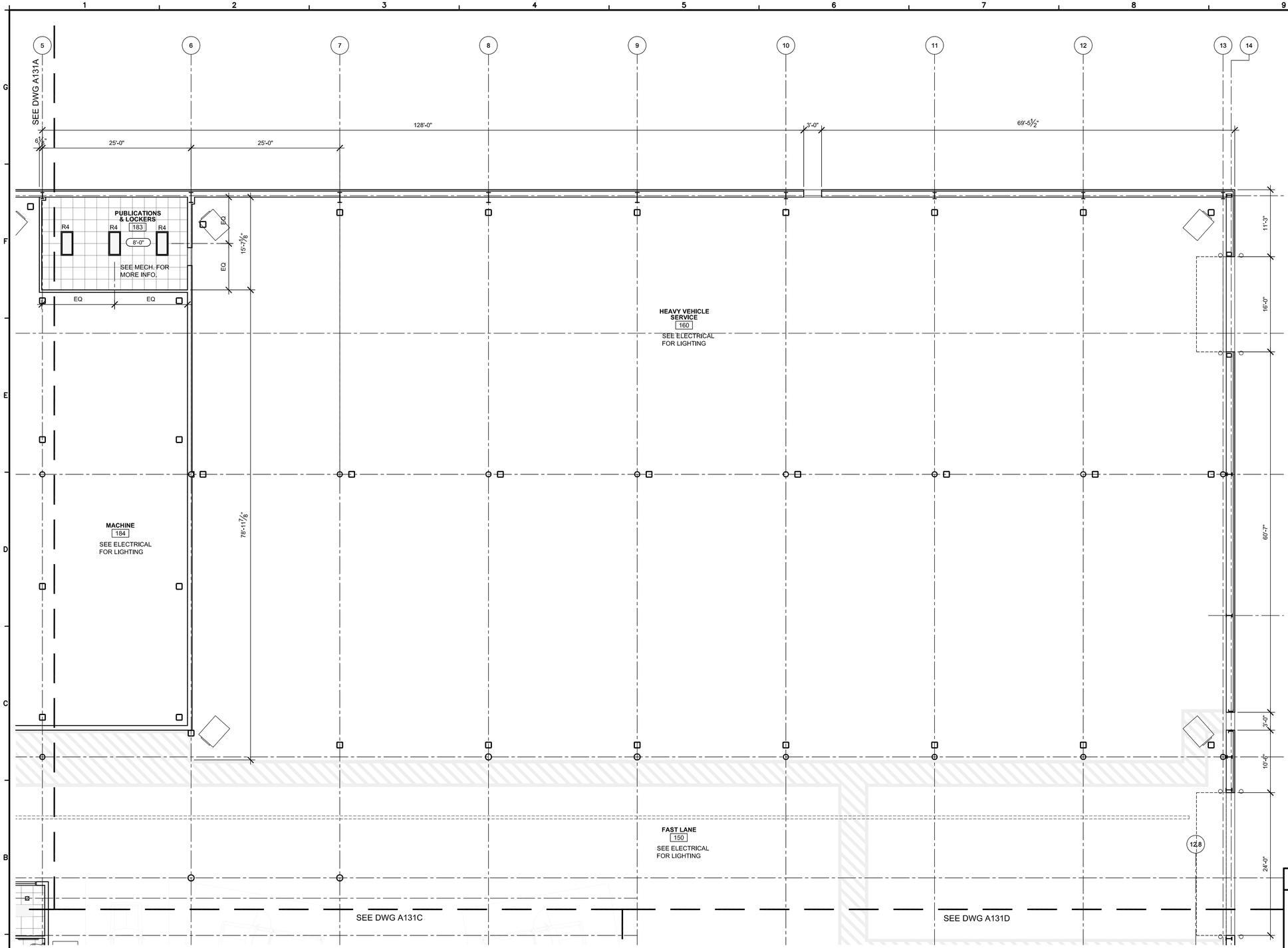
207.221.2266
www.allied-eng.com

FILENAME: A131A.DWG Allied Project No: 13057 Cad File:

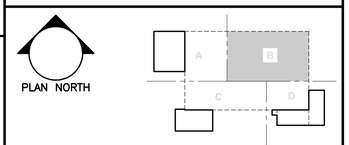
ISSUED FOR BID
FEBRUARY 27, 2014



LIGHTING LEGEND

- R2 — 2' x 2' Recessed Fixture
- SR2 — 2' x 2' Semi Recessed Fixture
- R4 — 2' x 4' Recessed Fixture
- S2 — Surface Mount Fixture
- RD1 — Recessed Down Light
- RD2 — Recessed Down Light
- S6 — Surface Mount Linear Fixture
- S8 — Surface Mount Linear Fixture
- P6 — Pendant Mount Linear Fixture
- P8 — Pendant Mount Linear Fixture
- P12 — Pendant Mount Linear Fixture
- P16 — Pendant Mount Linear Fixture
- W3 — Wall Mount Linear Fixture
- W4 — Wall Mount Linear Fixture
- 2' x 2' Suspended ACT
- GWB
- Concrete Plank
- GUH
- Supply
- Return
- Vent

PROJECT KEY PLAN



1 First Floor Reflected Ceiling Plan - Area B
SCALE: 1/8" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE –
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR
REFLECTED CEILING PLAN – AREA–B

SHEET NUMBER
A131B

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207.221.2266
www.allied-eng.com

FILENAME: A131B.DWG Allied Project No: 13057 Cad File:

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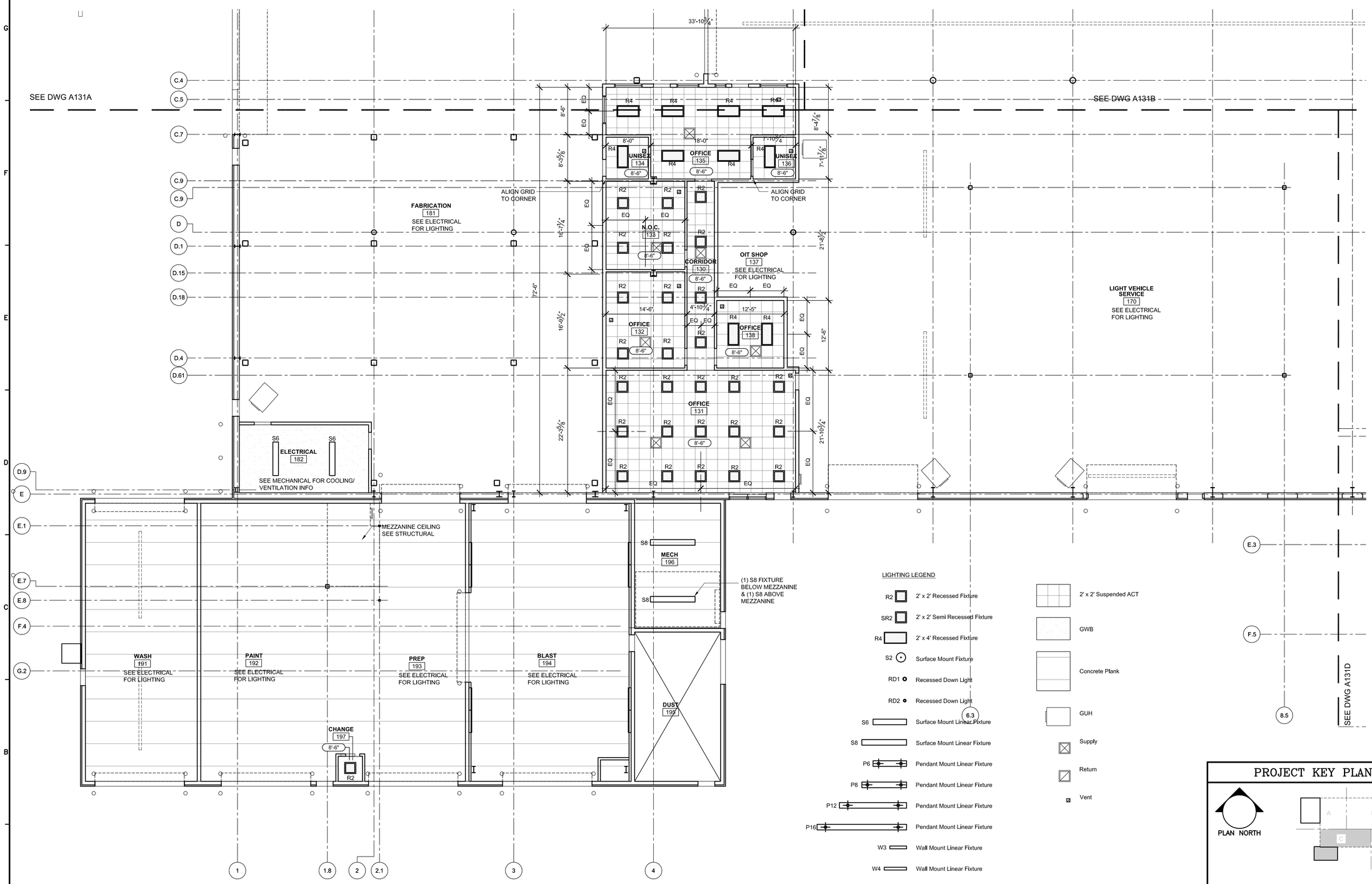
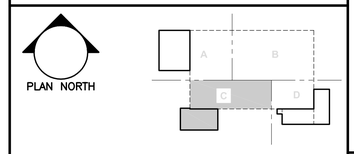
FEBRUARY 27, 2014



1 First Floor Reflected Ceiling Plan - Area C
SCALE: 1/8" = 1'-0"

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

WIN: 020118.20

PROJECT	INFORMATION
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR
REFLECTED CEILING PLAN – AREA–C

SHEET NUMBER
A131C

SSA
Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
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Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A131C.DWG
Allied Project No: 13057 Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014

SEE DWG 131B

SEE DWG 131C

NAPA
151
SEE ELECTRICAL FOR LIGHTING

SLOW LANE

WOMEN 124A
UNISEX 124B
MEN 125
CORRIDOR 120
BREAK 123
OFFICE 121
ENTRY 110A
ACCESS HATCH
STORAGE 116
WOMEN 117
MEN 118
DMR 119
COPY 107
CORRIDOR 110
STAIR 1 ST11
MECH 115
OFFICE 113
OFFICE 114
STAIR 2 ST21
OFFICE 101
OFFICE 102
OFFICE 103
OFFICE 104
OFFICE 105
OFFICE 106
OFFICE 108
CONFERENCE 112A
CONFERENCE 112B
BREAK 111
SPRINKLER 111A

ALIGN GRID TO CORNER
ALIGN GRID TO EDGE, TYP.
PROVIDE ACOUSTIC BATT INSULATION ABOVE ACT
EXHAUST HOOD WITH FIRE SUPPRESSION SYSTEM
10'-0" EXTERIOR GWB
8' - 3" GWB HEADER
7'-3" GWB
6' - 3" GWB HEAD.

1 First Floor Reflected Ceiling Plan - Area D
SCALE: 1/8" = 1'-0"

LIGHTING LEGEND

- R2 — 2' x 2' Recessed Fixture
- SR2 — 2' x 2' Semi Recessed Fixture
- R4 — 2' x 4' Recessed Fixture
- S2 — Surface Mount Fixture
- RD1 — Recessed Down Light
- RD2 — Recessed Down Light
- S6 — Surface Mount Linear Fixture
- S8 — Surface Mount Linear Fixture
- P6 — Pendant Mount Linear Fixture
- P8 — Pendant Mount Linear Fixture
- P12 — Pendant Mount Linear Fixture
- P16 — Pendant Mount Linear Fixture
- W3 — Wall Mount Linear Fixture
- W4 — Wall Mount Linear Fixture
- 2' x 2' Suspended ACT
- GWB
- Concrete Plank
- GUH
- Supply
- Return
- Vent

PROJECT KEY PLAN

PLAN NORTH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE –

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM

PROJECT MANAGER

DESIGNER ALLIED ENG., INC.

CONSULTANT SSA

PROJECT RESIDENT

CONTRACTOR

PROJECT COMPLETION DATE –

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FIRST FLOOR
REFLECTED CEILING PLAN – AREA–D

SHEET NUMBER

A131D

SSA Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A131D.DWG Allied Project No: 13057 Cad File:

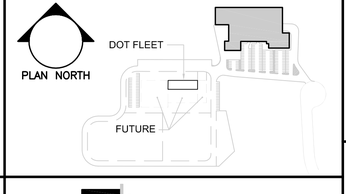
ISSUED FOR BID
FEBRUARY 27, 2014

SEE DWG A132D

SEE DWG A132D

1 Second Floor Reflected Ceiling Plan
SCALE: 1/16" = 1'-0"

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE –
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

WIN: 020118.20

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

66 INDUSTRIAL DRIVE–PHASE 2

66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – SECOND FLOOR
REFLECTED CEILING PLAN

SHEET NUMBER
A132

Scott Simons Architects
Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A132.DWG
Allied Project No: 13057 Cad File:

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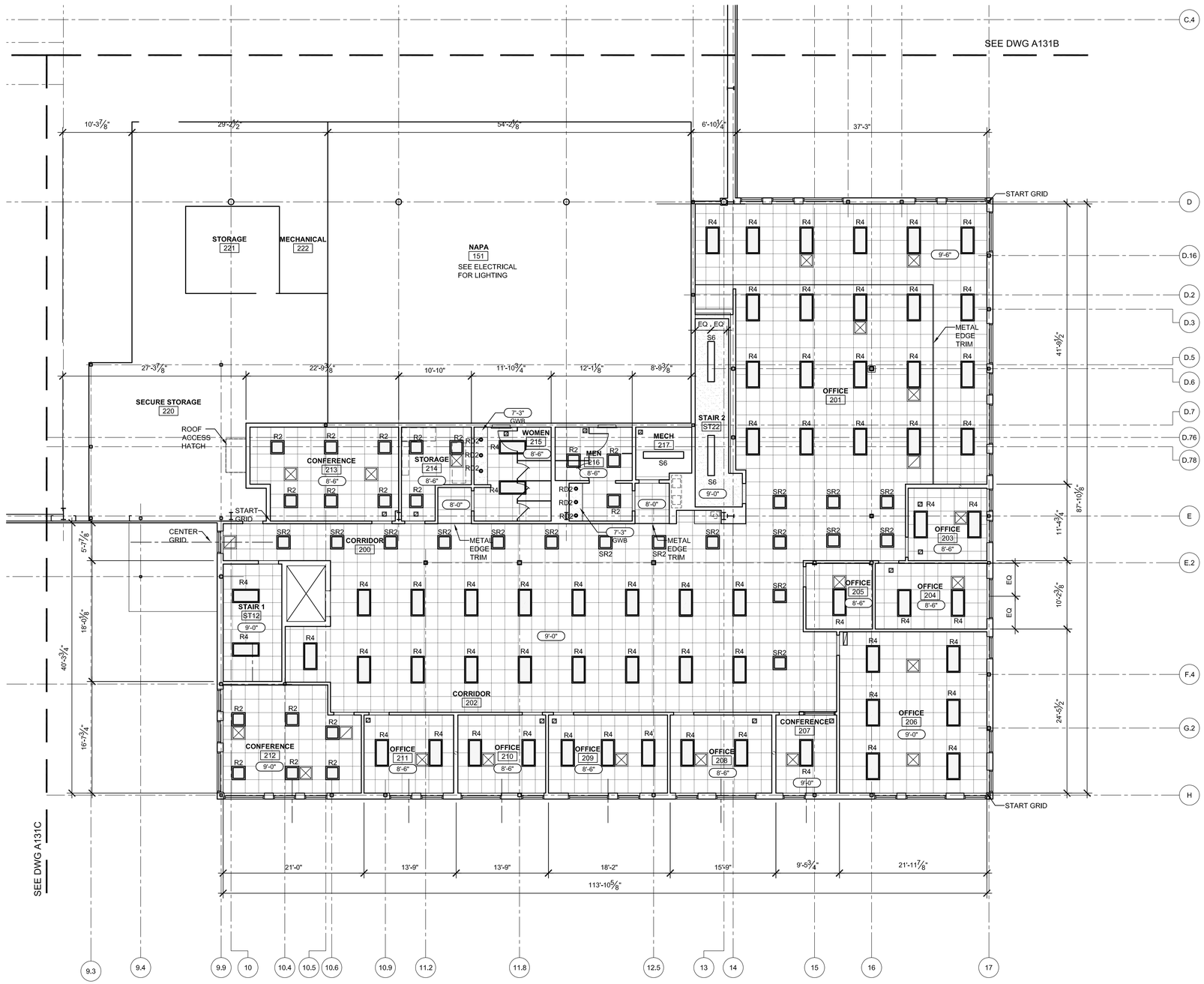
FEBRUARY 27, 2014

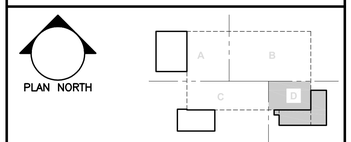


1 Second Floor Reflected Ceiling Plan - Area D
SCALE: 1/8" = 1'-0"

LIGHTING LEGEND

R2	2' x 2' Recessed Fixture
SR2	2' x 2' Semi Recessed Fixture
R4	2' x 4' Recessed Fixture
S2	Surface Mount Fixture
RD1	Recessed Down Light
RD2	Recessed Down Light
S6	Surface Mount Linear Fixture
S8	Surface Mount Linear Fixture
P6	Pendant Mount Linear Fixture
P8	Pendant Mount Linear Fixture
P12	Pendant Mount Linear Fixture
P16	Pendant Mount Linear Fixture
W3	Wall Mount Linear Fixture
W4	Wall Mount Linear Fixture
	2' x 2' Suspended ACT
	GWB
	Concrete Plank
	GUH
	Supply
	Return
	Vent

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
DATE
COMMISSIONER:
CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE
ARCH. LIN. NUMBER –
DATE FEBRUARY 27, 2014

INFORMATION	
PROJECT	ALLIED ENG., INC.
PROGRAM	
PROJECT MANAGER	
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – SECOND FLOOR
REFLECTED CEILING PLAN – AREA–D

SHEET NUMBER
A132D

Scott Simons Architects
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Structural Mechanical Electrical Commissioning
160 Veranda Street
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207.221.2266
www.allied-eng.com

FILENAME: A132D.DWG Allied Project No: 13057 Cad File:

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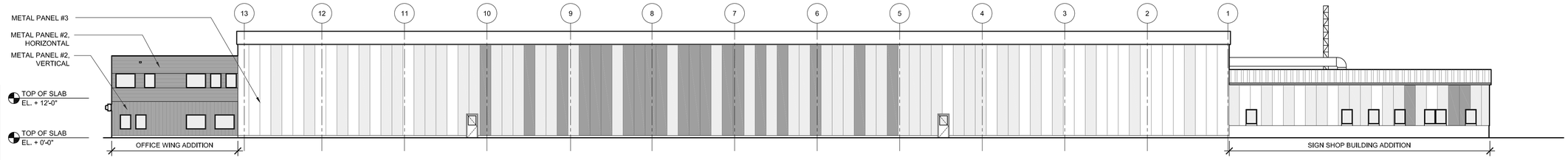
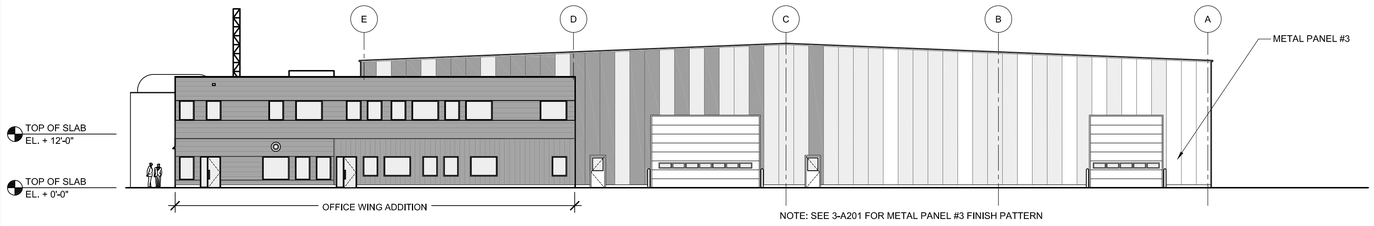
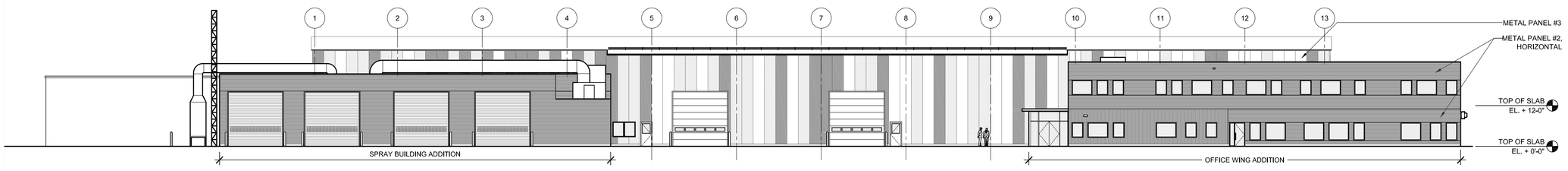
FEBRUARY 27, 2014



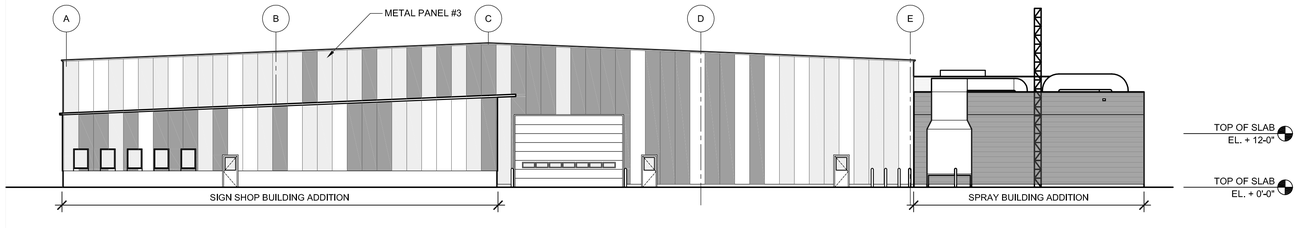
1 North Elevation
SCALE: 1/16" = 1'-0"



2 East Elevation
SCALE: 1/16" = 1'-0"



3 South Elevation
SCALE: 1/16" = 1'-0"



4 West Elevation
SCALE: 1/16" = 1'-0"

METAL PANEL #3 FINISH A
METAL PANEL #3 FINISH B
METAL PANEL #3 FINISH C

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE
COMMISSIONER:
CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE -
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION
PROGRAM
PROJECT MANAGER
DESIGNER ALLIED ENG., INC.
CONSULTANT SSA
PROJECT RESIDENT
CONTRACTOR
PROJECT COMPLETION DATE -

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION
ARCHITECTURAL – EXTERIOR ELEVATIONS

SHEET NUMBER
A201

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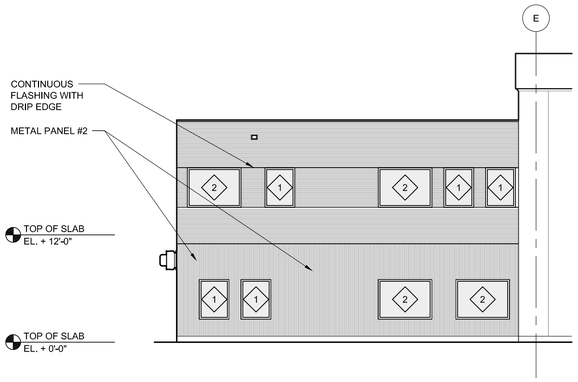
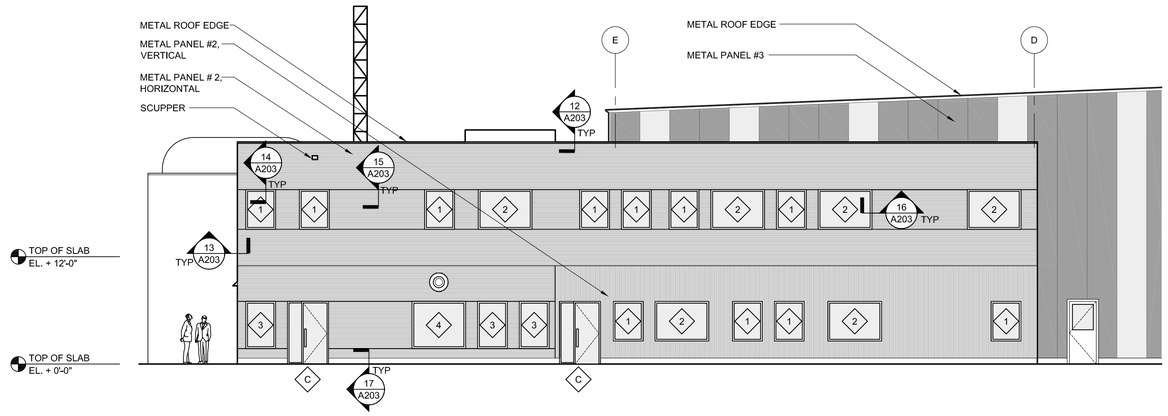
www.allied-eng.com

FILENAME: A201.DWG
Allied Project No: 13057 Cad File:

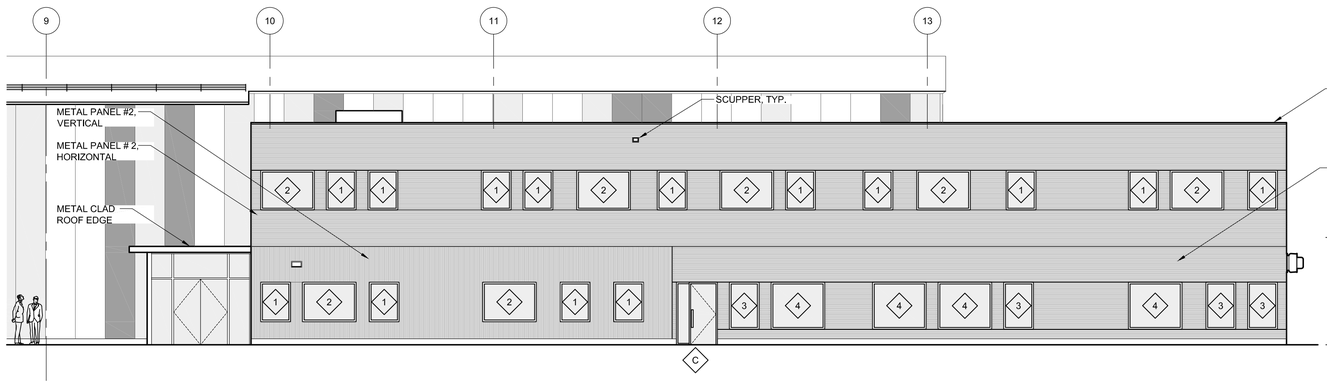
ISSUED FOR BID
FEBRUARY 27, 2014



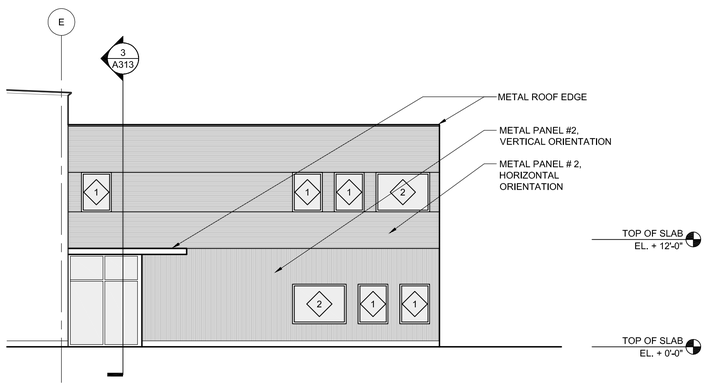
1 South Elevation - Area D
SCALE: 1/8" = 1'-0"



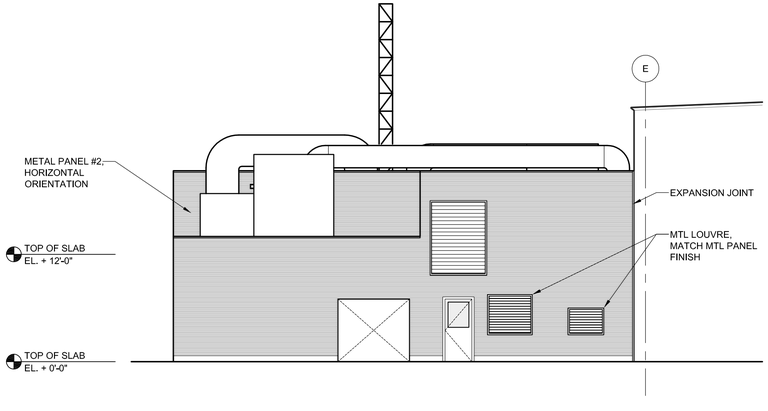
2 East Elevation - Area D
SCALE: 1/8" = 1'-0"



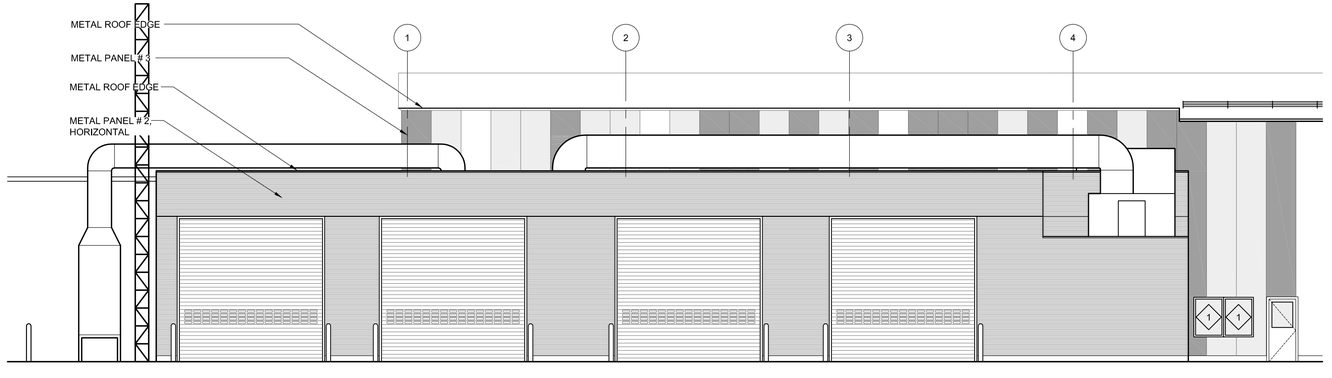
3 South Elevation - Area D
SCALE: 1/8" = 1'-0"



4 West Elevation - Area D
SCALE: 1/8" = 1'-0"



5 East Elevation - Area C
SCALE: 1/8" = 1'-0"



6 South Elevation - Area C
SCALE: 1/8" = 1'-0"

METAL PANEL #3 FINISH A
METAL PANEL #3 FINISH B
METAL PANEL #3 FINISH C

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE
COMMISSIONER:
CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE -
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – EXTERIOR ELEVATIONS

SHEET NUMBER
A202

Scott Simons Architects
Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
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207.221.2266
www.allied-eng.com

FILENAME: A201.DWG
Allied Project No: 13057 Cad File:

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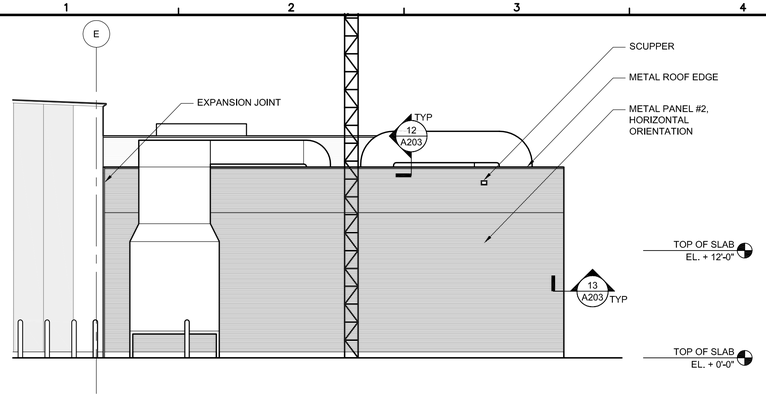
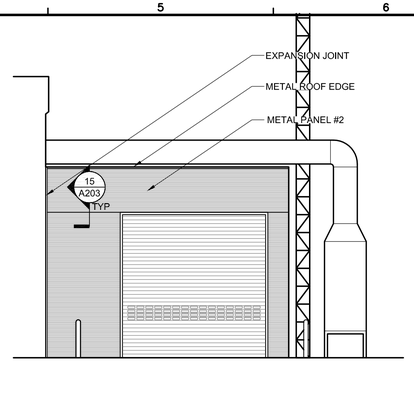
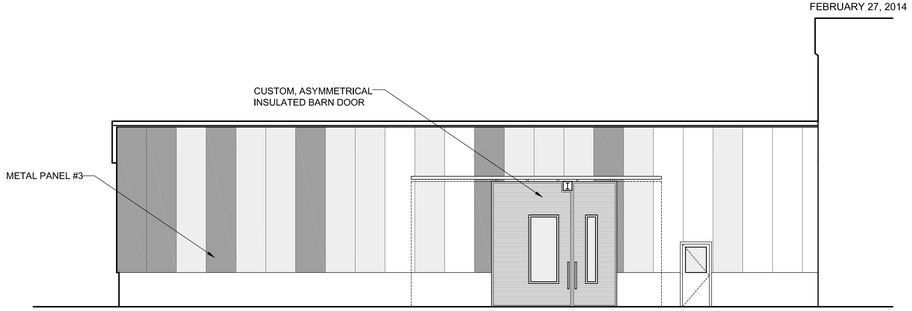
FEBRUARY 27, 2014



7 West Elevation - Area C
SCALE: 1/8" = 1'-0"

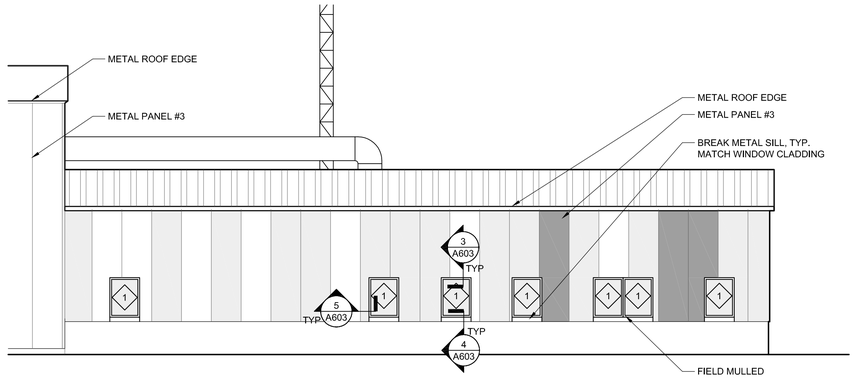


8 North Elevation - Area C
SCALE: 1/8" = 1'-0"

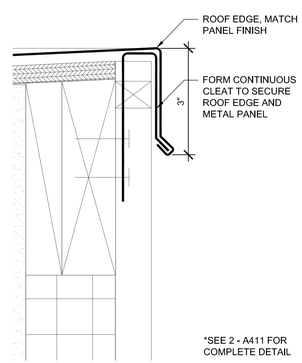


9 South Elevation - Area A
SCALE: 1/8" = 1'-0"

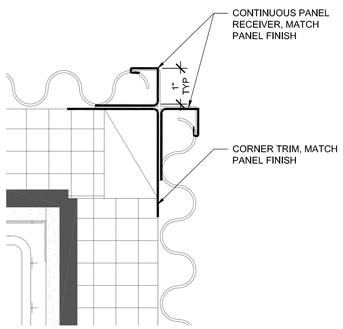
10 West Elevation - Area A
SCALE: 1/8" = 1'-0"



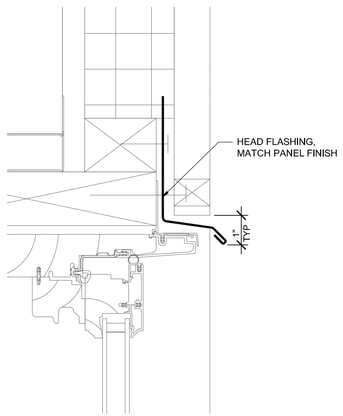
11 North Elevation - Area A
SCALE: 1/8" = 1'-0"



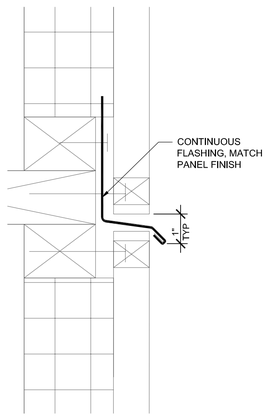
12 Roof Edge Trim Detail
SCALE: 6" = 1'-0"



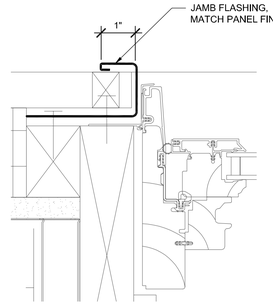
13 Outdside Corner Trim Detail
SCALE: 6" = 1'-0"



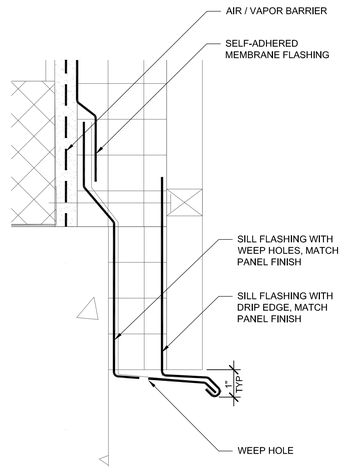
14 Head Trim Detail
SCALE: 6" = 1'-0"



15 Panel Trim Detail
SCALE: 6" = 1'-0"



16 Jamb Trim Detail
SCALE: 6" = 1'-0"



17 Base of Wall Trim Detail
SCALE: 6" = 1'-0"

METAL PANEL #3 FINISH A
METAL PANEL #3 FINISH B
METAL PANEL #3 FINISH C

Scott Simons Architects

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207.221.2366
www.allied-eng.com

FILENAME: A201.DWG
Allied Project No: 13057 Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE	I
ARCH. LIN. NUMBER	
DATE	FEBRUARY 27, 2014

INFORMATION		
PROJECT		
PROGRAM		
PROJECT MANAGER	ALLIED ENG., INC.	
DESIGNER	SSA	
CONSULTANT		
PROJECT RESIDENT		
CONTRACTOR		
PROJECT COMPLETION DATE		I

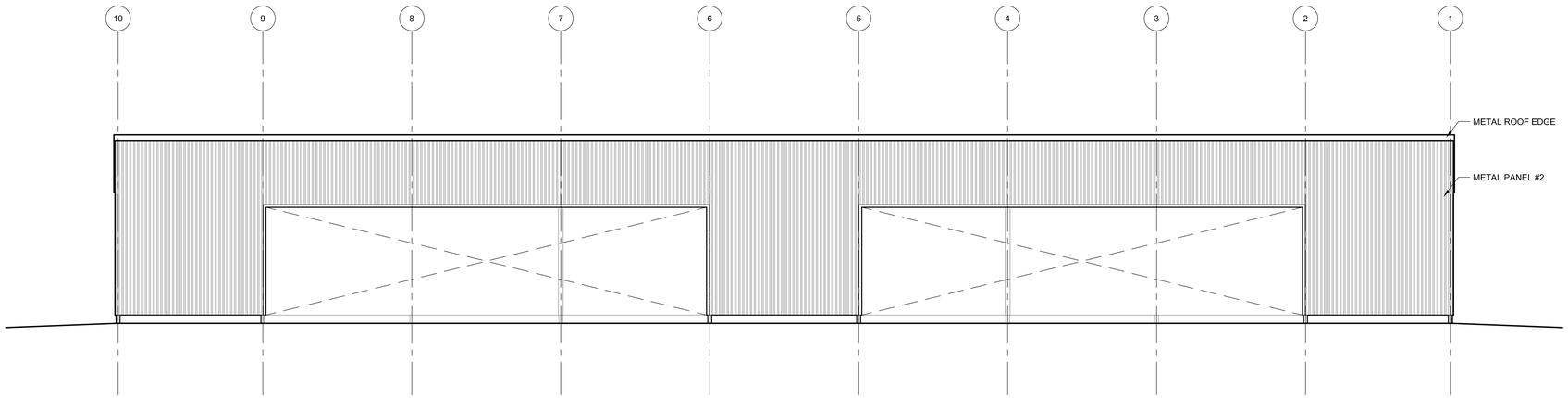
WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

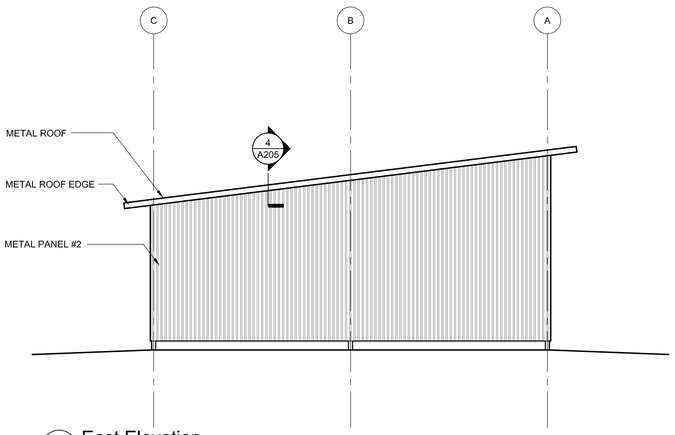
ARCHITECTURAL – EXTERIOR ELEVATIONS

SHEET NUMBER
A203

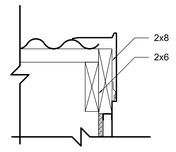
ISSUED FOR BID
FEBRUARY 27, 2014



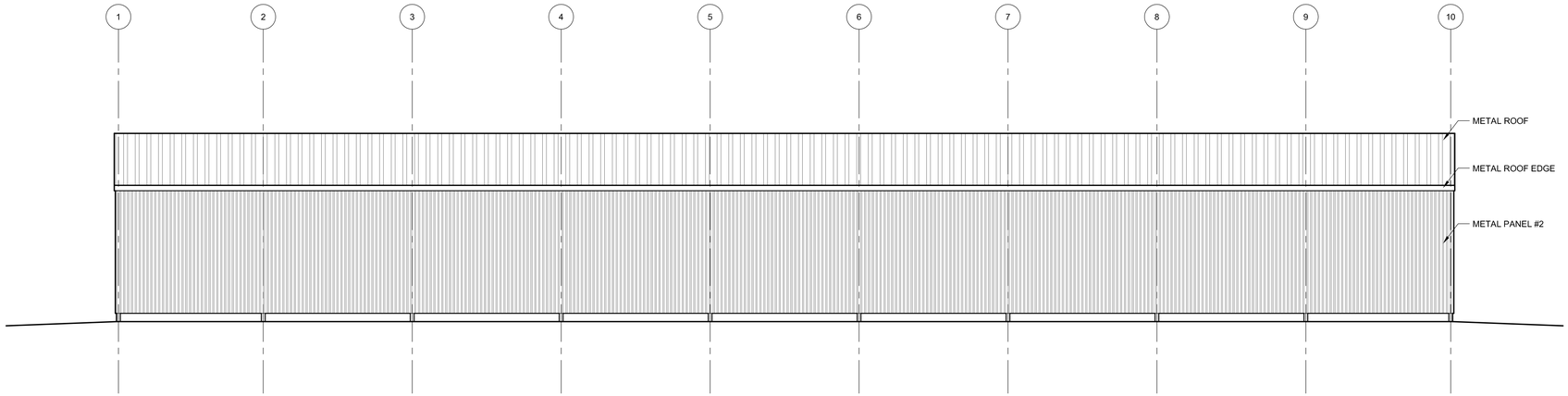
1 North Elevation
SCALE: 1/8" = 1'-0"



2 East Elevation
SCALE: 1/8" = 1'-0"



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



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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE –
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020116.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – DOT FLEET
EXTERIOR ELEVATIONS

SHEET NUMBER
A205

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207.221.2266
www.allied-eng.com

FILENAME: A205.DWG
Allied Project No: 13057 Cad File:

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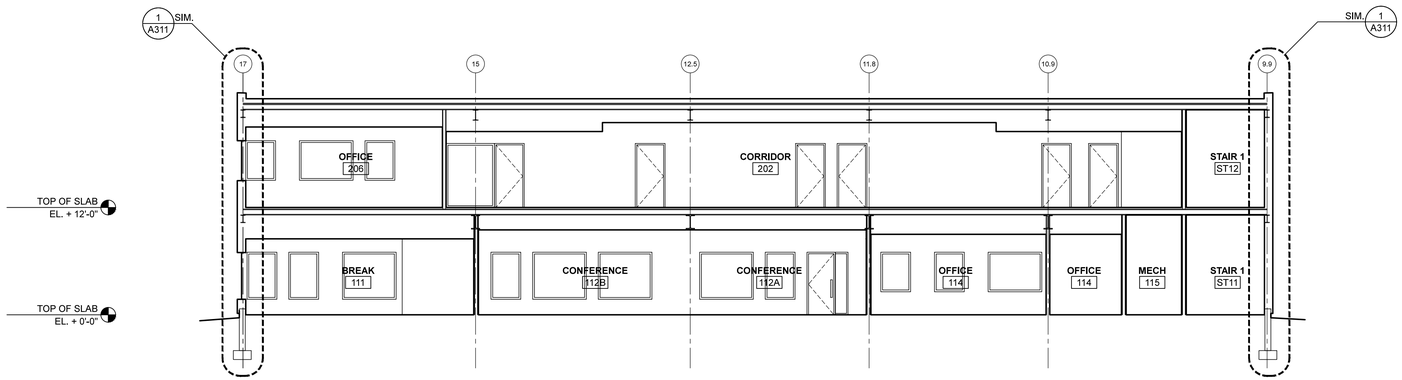
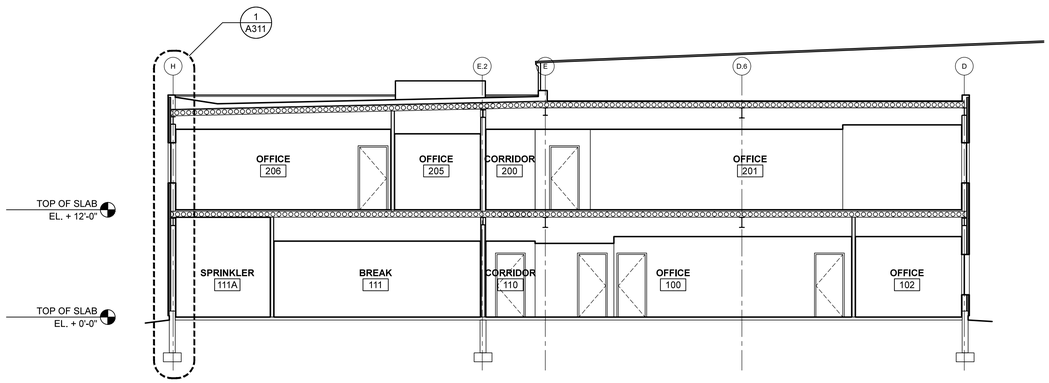
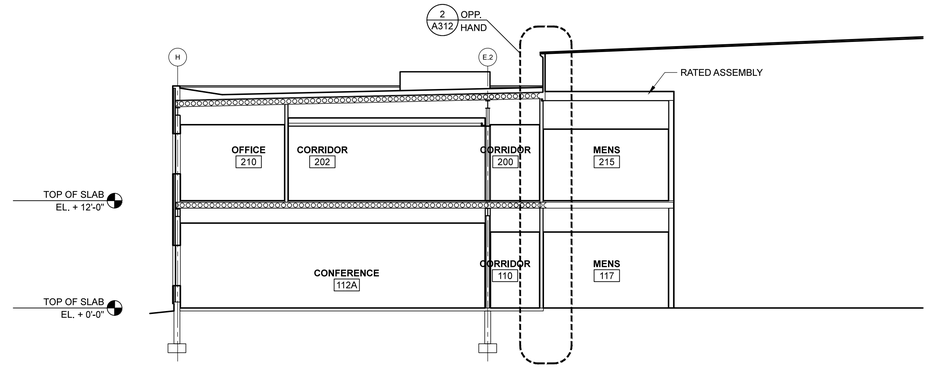
FEBRUARY 27, 2014



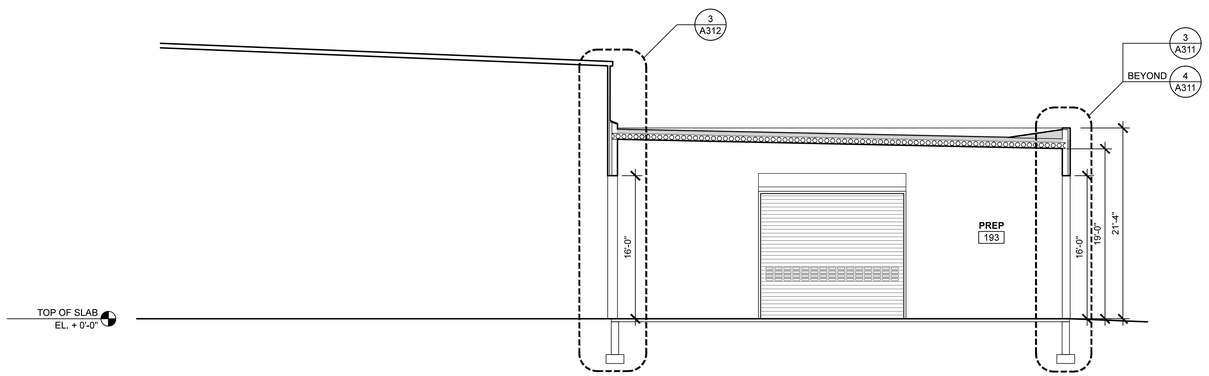
1 Building Section
SCALE: 1/8" = 1'-0"



2 Building Section
SCALE: 1/8" = 1'-0"



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



4 Building Section
SCALE: 1/8" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE
COMMISSIONER:
CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 20

INFORMATION

PROJECT	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – BUILDING SECTIONS

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SHEET NUMBER
A301

Scott Simons Architects
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160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A301.DWG
Allied Project No: 13057 Cad File:

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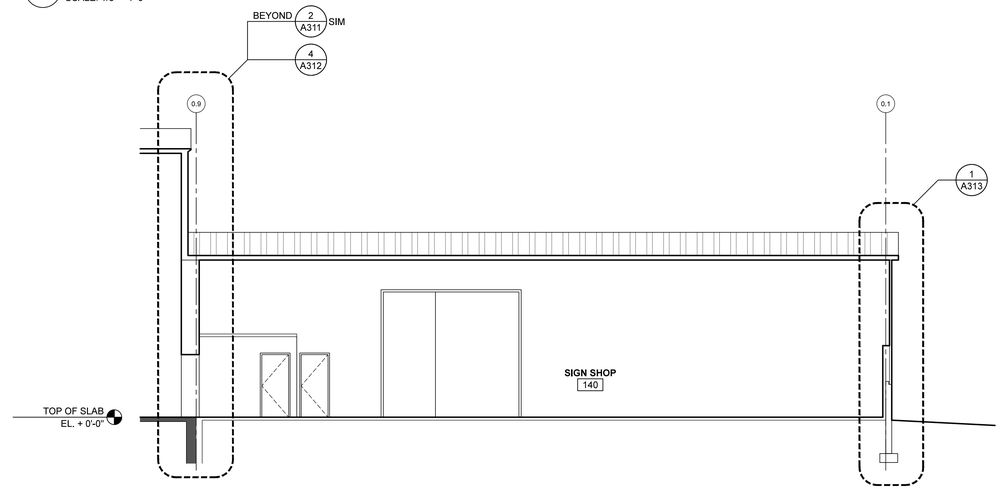
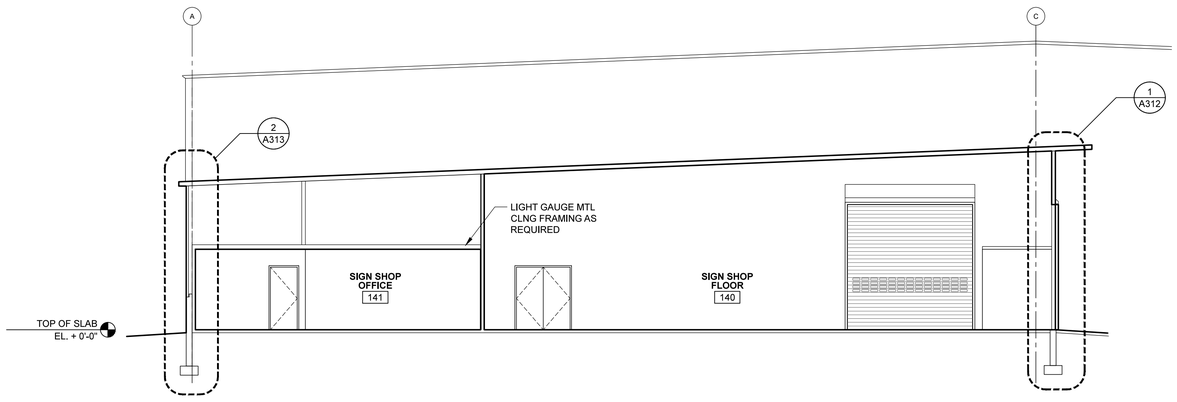
FEBRUARY 27, 2014

5 Building Section
SCALE: 1/8" = 1'-0"



6 Building Section
SCALE: 1/8" = 1'-0"



7 Building Section
SCALE: 1/8" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	COMMISSIONER:	CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE
–
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 201

WIN: 020118.20

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – BUILDING SECTIONS

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SHEET NUMBER
A302

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Structural Mechanical Electrical Commissioning
160 Veranda Street
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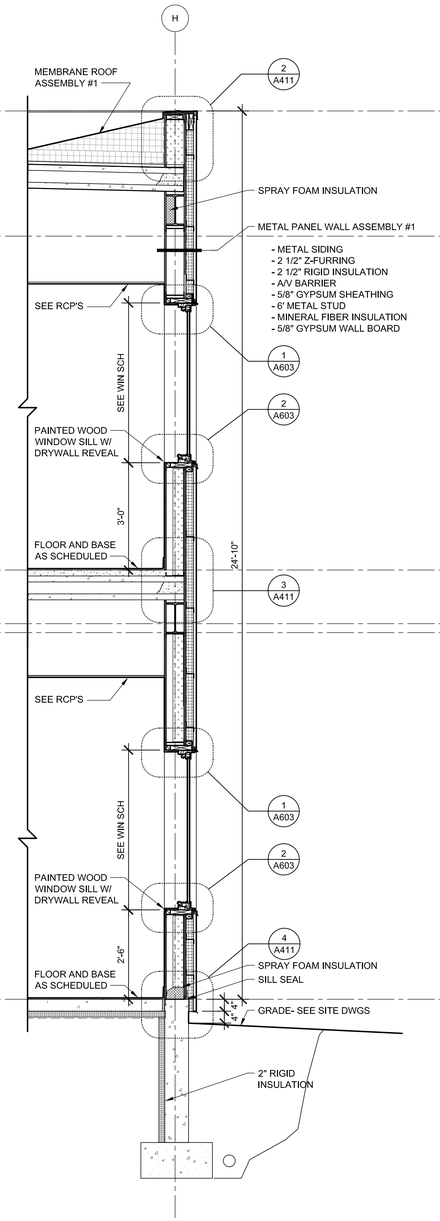
www.allied-eng.com

FILENAME: A301.DWG
Allied Project No: 13057 Cad File:

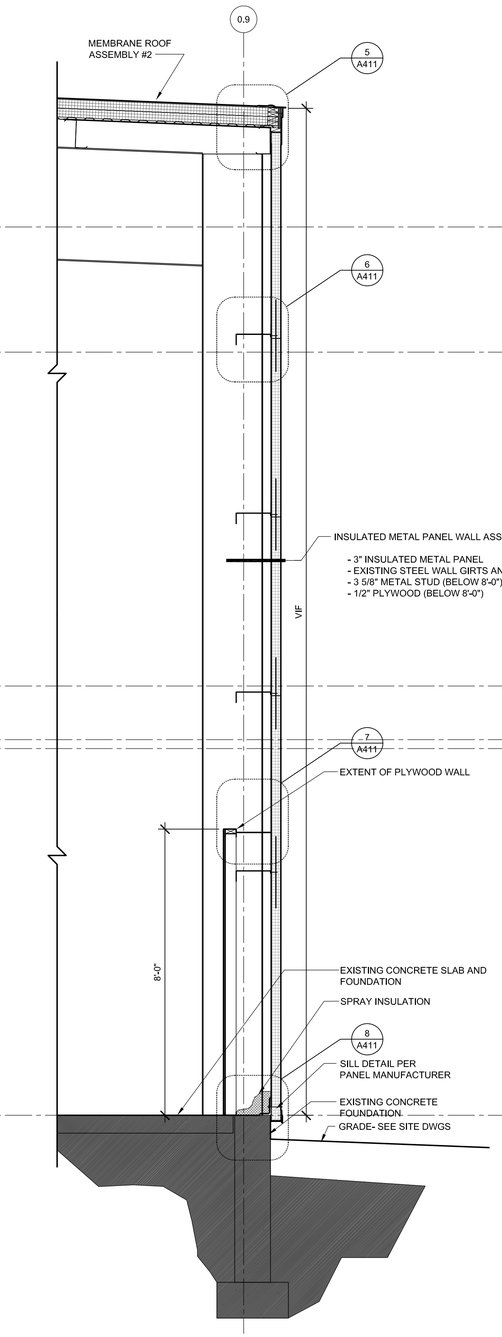
ISSUED FOR BID

FEBRUARY 27, 2014



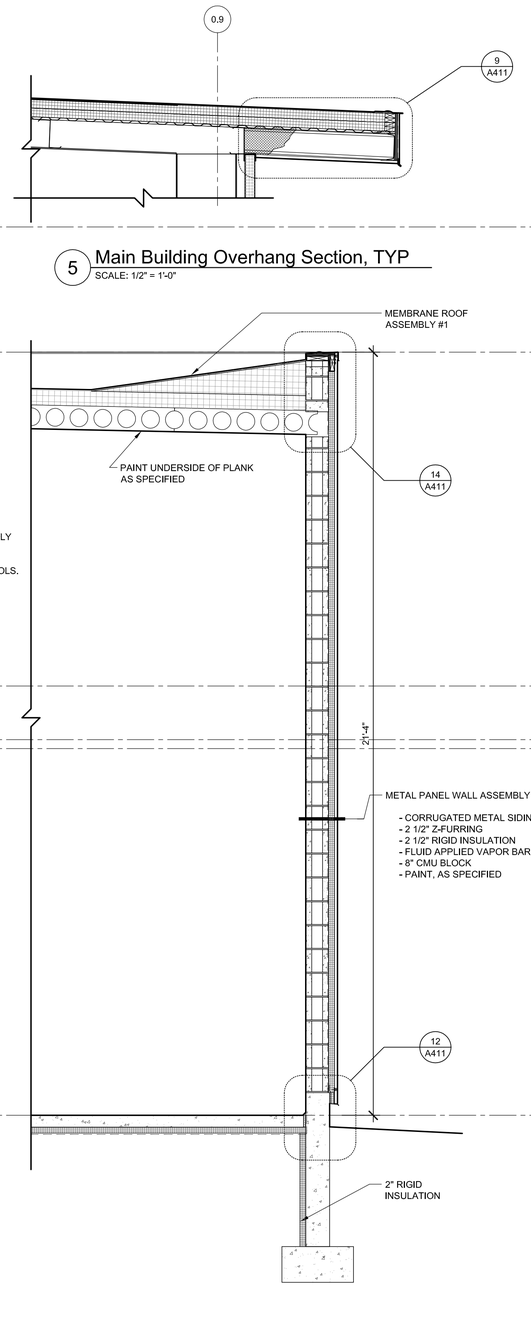
1 Office Addition Wall Section, Typical

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



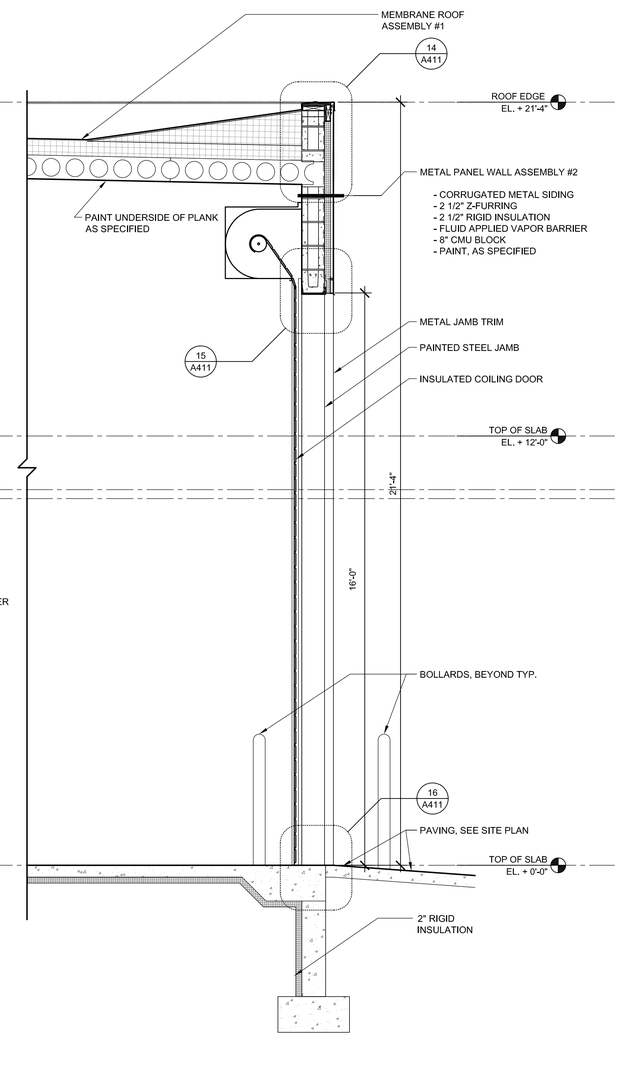
2 Main Building Wall Section, Typical

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



3 Coatings BLDG Wall Section, TYP

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



4 Coating BLDG Wall Section at RLNG Door, TYP

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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – TYPICAL WALL SECTIONS

SHEET NUMBER

A311

Scott Simons Architects

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www.allied-eng.com

FILENAME: A311.DWG

Allied Project No: 13557 Cad File:

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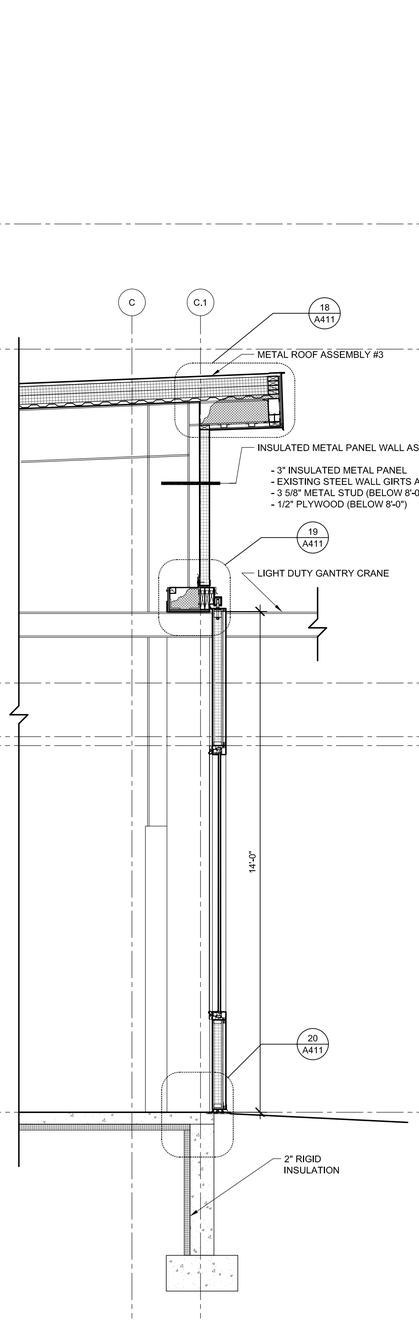
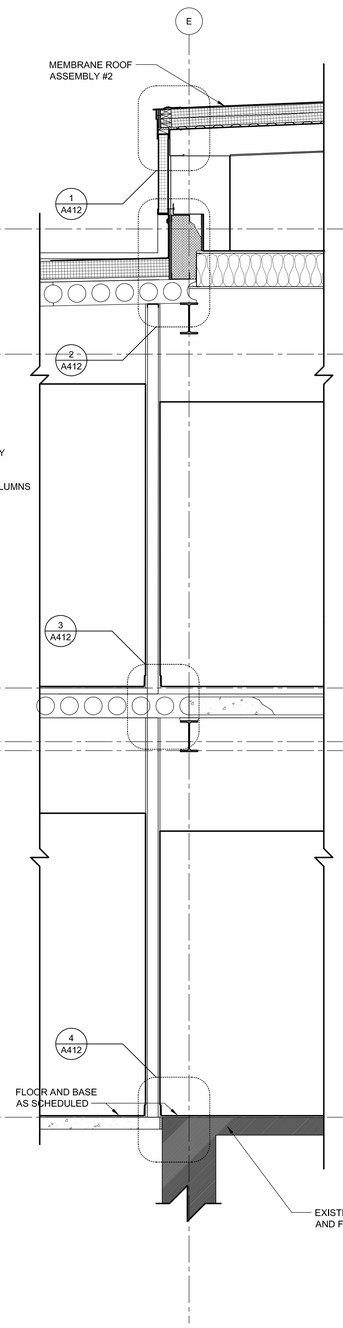
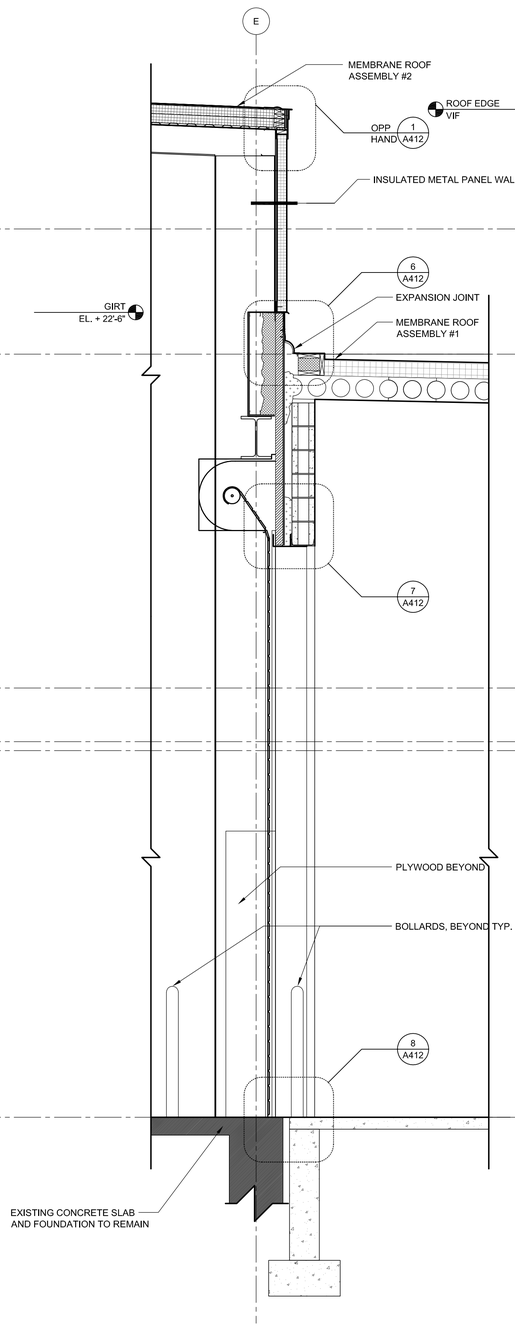
FEBRUARY 27, 2014



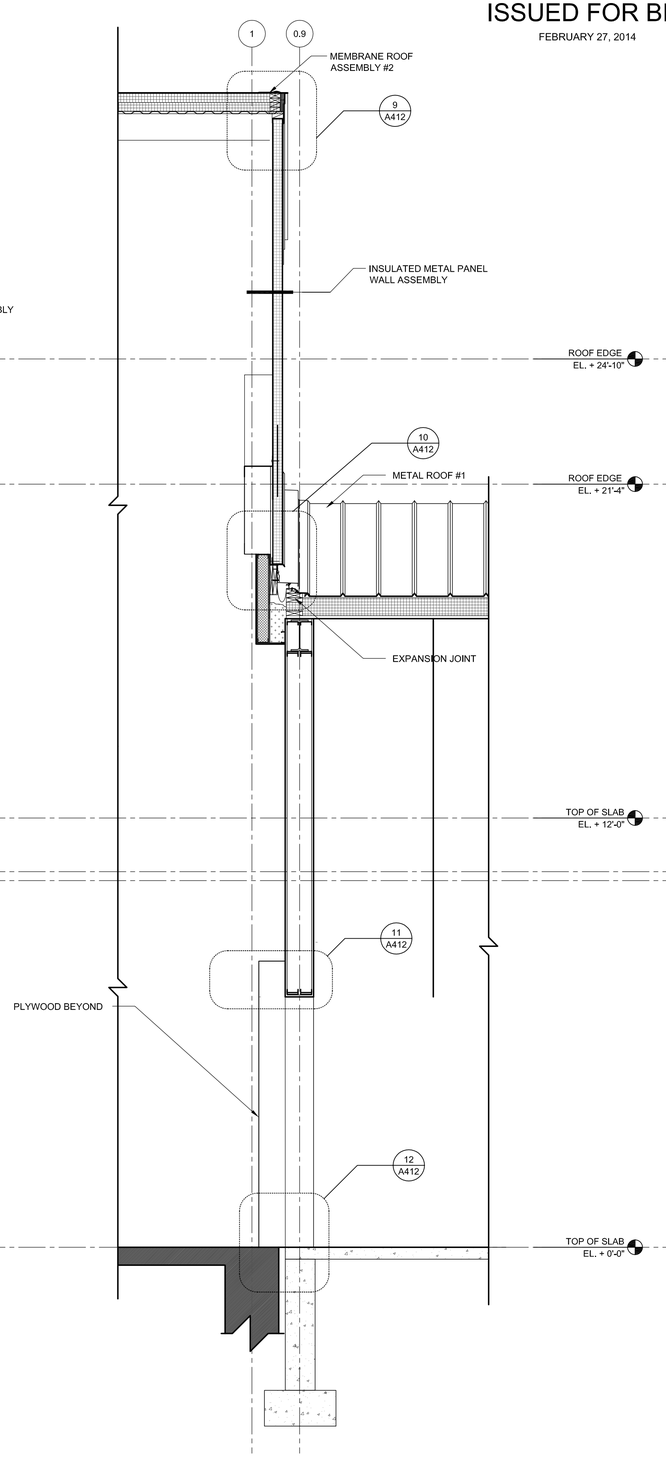
1 Sign Shop Wall Section
SCALE: 1/2" = 1'-0"



2 Office Addition Wall Section
SCALE: 1/2" = 1'-0"



3 Coatings Bldg Wall Section
SCALE: 1/2" = 1'-0"



4 Sign Shop Wall Section
SCALE: 1/2" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2934
STATE OF MAINE

SIGNATURE
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – WALL SECTIONS

SHEET NUMBER
A312

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www.allied-eng.com

FILENAME: A311.DWG
Allied Project No: 13057 Cad File:

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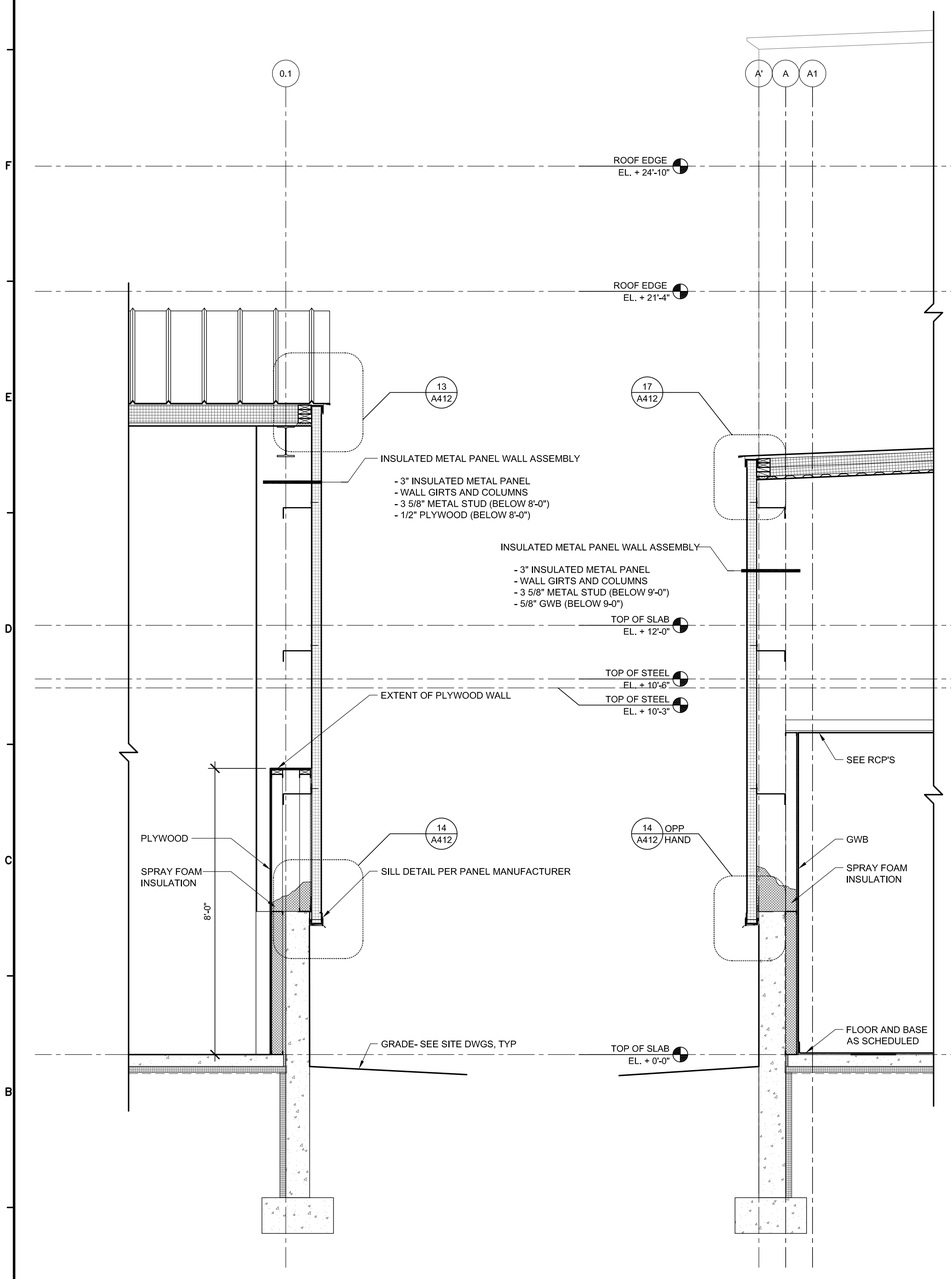
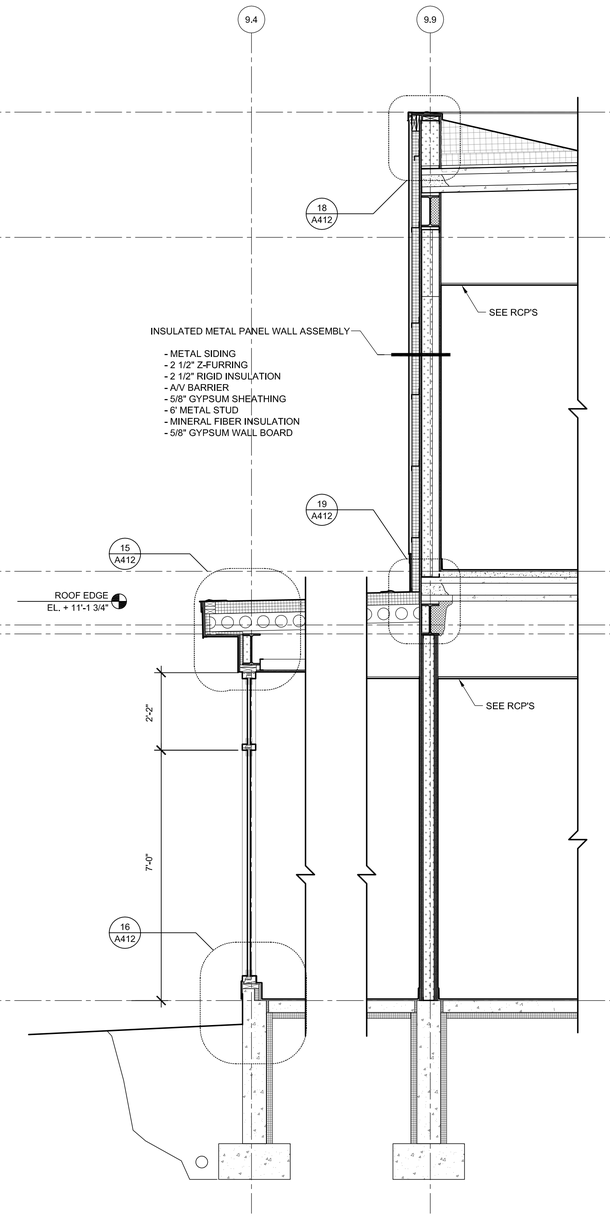
FEBRUARY 27, 2014



1 Sign Shop Wall Section

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



2 Sign Shop Wall Section

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

3 Entry Wall Section

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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 0201118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – WALL SECTIONS

SHEET NUMBER

A313

SSA Scott Simons Architects

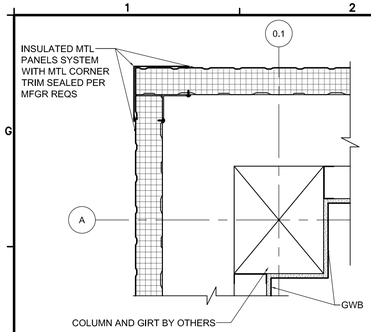
Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A311.DWG

Allied Project No: 13057 Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014



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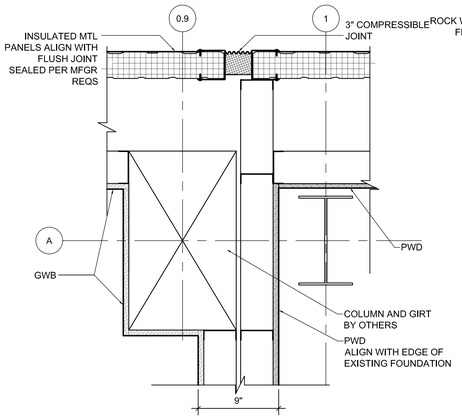
SCALE: 1-1/2" = 1'-0"



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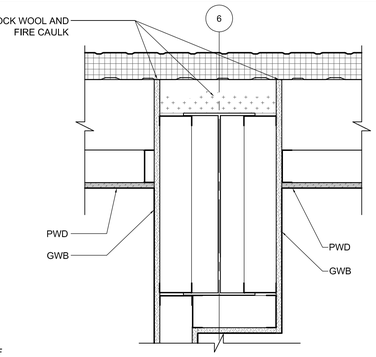

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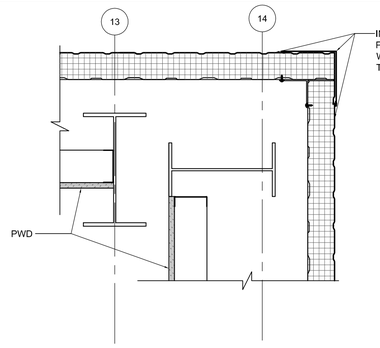

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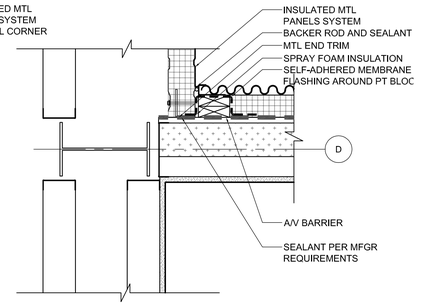

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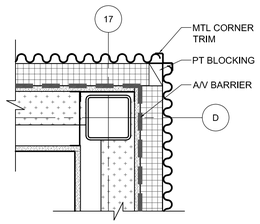

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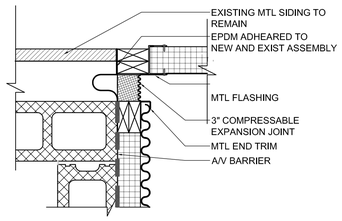

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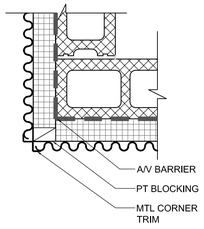

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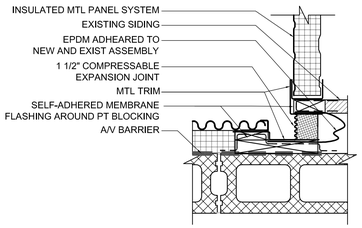

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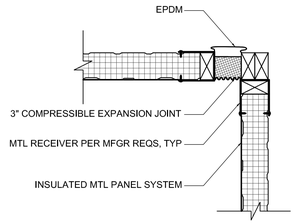


10 PLAN DETAIL
SCALE: 1-1/2" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

WIN: 020118.20

INFORMATION	
PROJECT PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

66 INDUSTRIAL DRIVE–PHASE 2

66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – PLAN DETAILS

SHEET NUMBER

A401

Scott Simons Architects

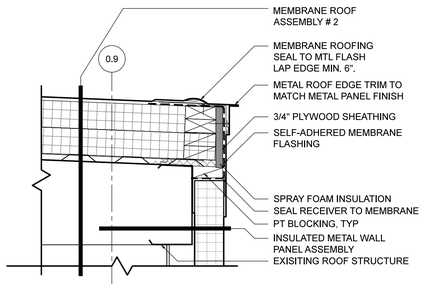
Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2366
www.allied-eng.com

FILENAME: A401.DWG

Allied Project No: 13557 Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014



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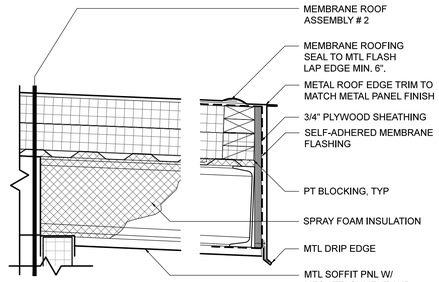

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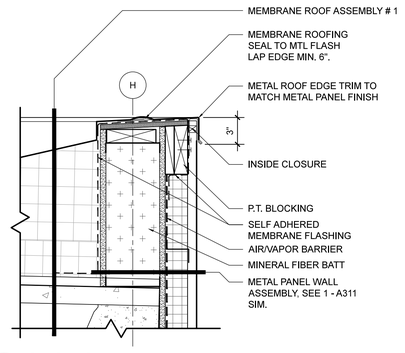

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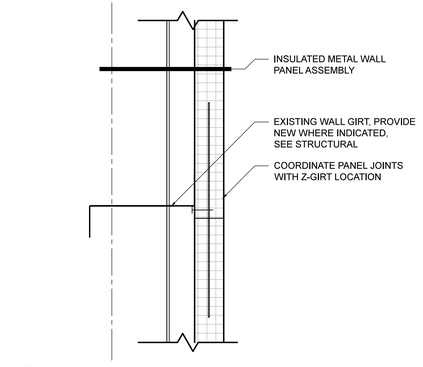

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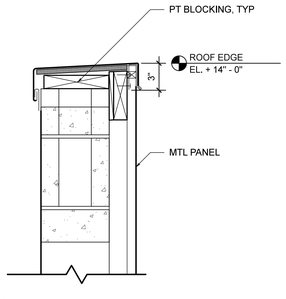

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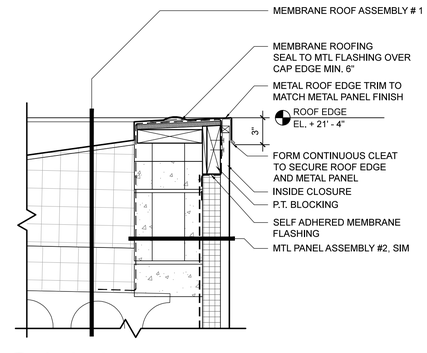

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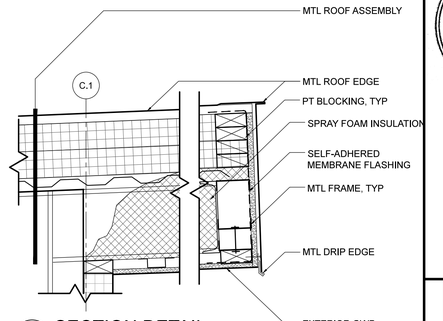

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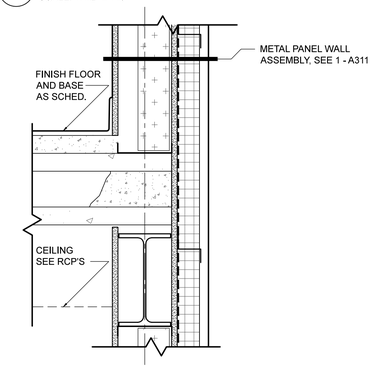

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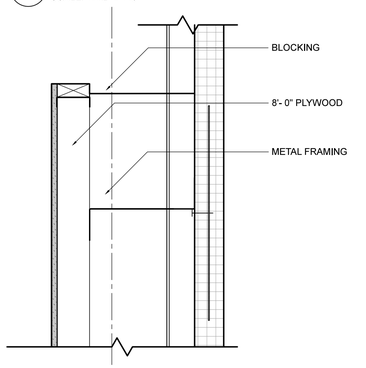

7 SECTION DETAIL
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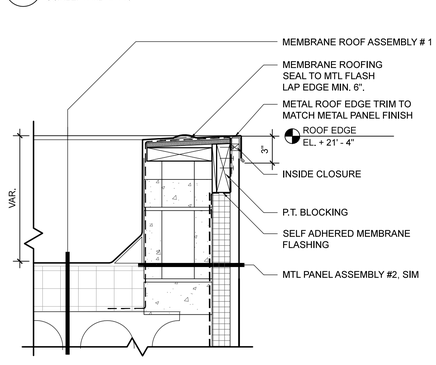

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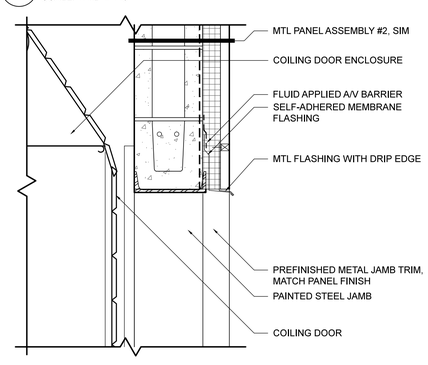

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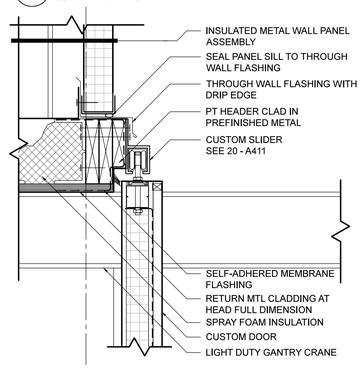

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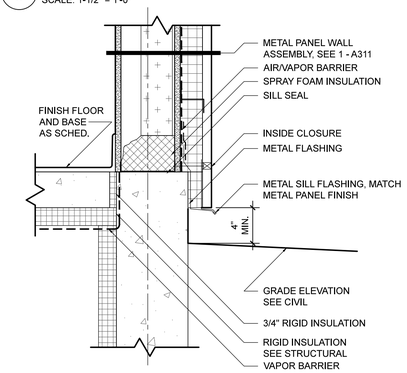

4 SECTION DETAIL
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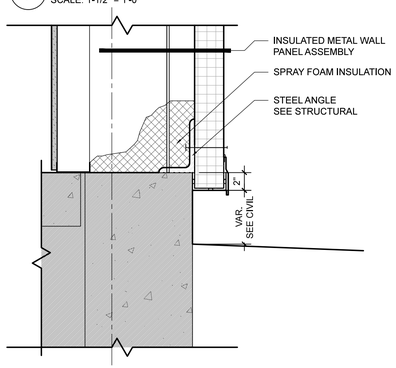
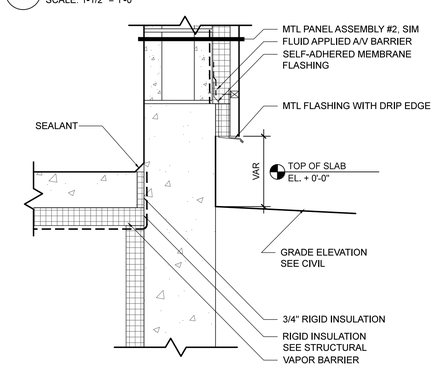


8 SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



12 SECTION DETAIL
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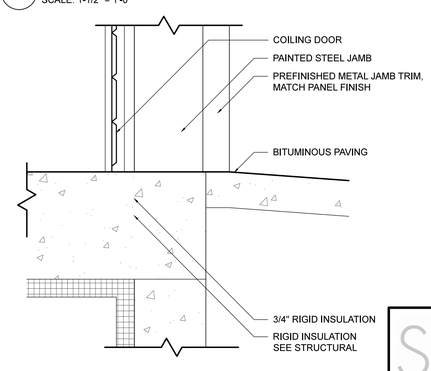

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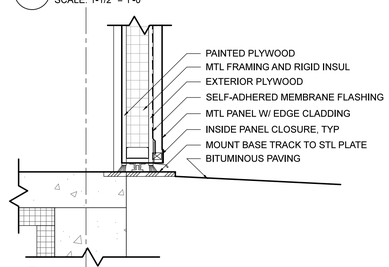

20 SECTION DETAIL
SCALE: 1-1/2" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

WIN: 020118.20

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – SECTION DETAILS

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SHEET NUMBER

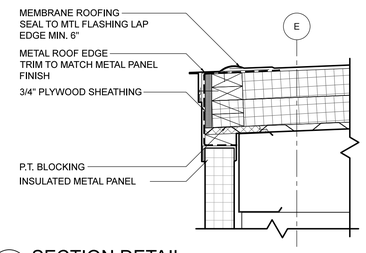
A411

SSA Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A411.DWG | Allied Project No: 13057 | Cad File:

ISSUED FOR BID



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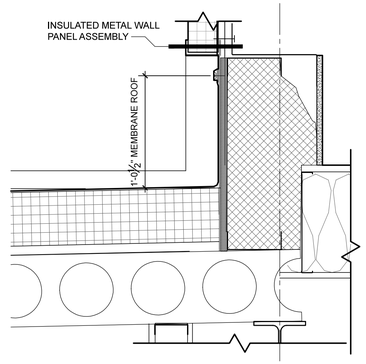

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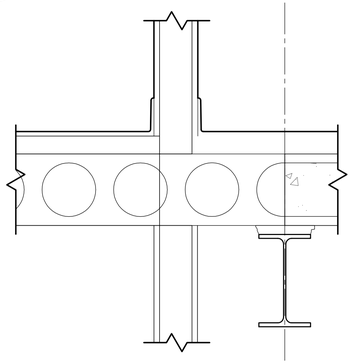

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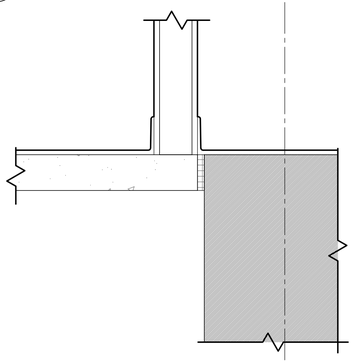

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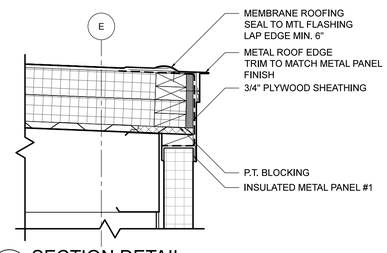

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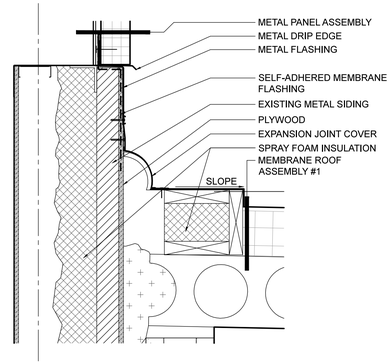

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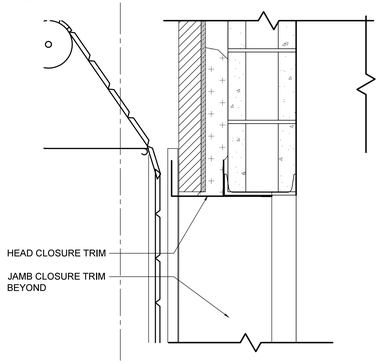

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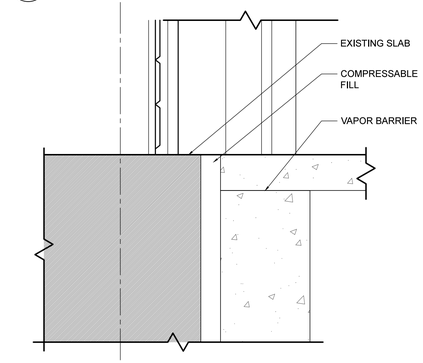

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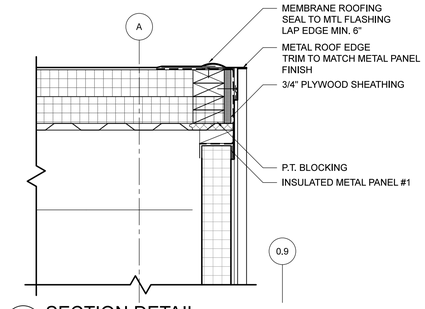

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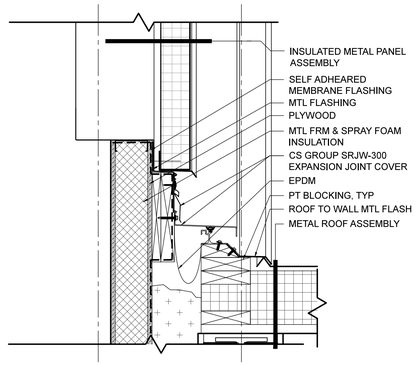

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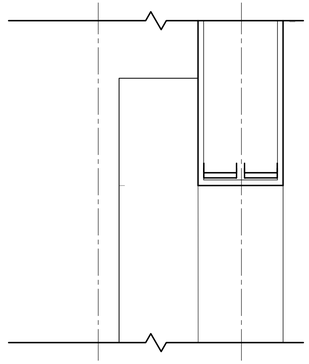

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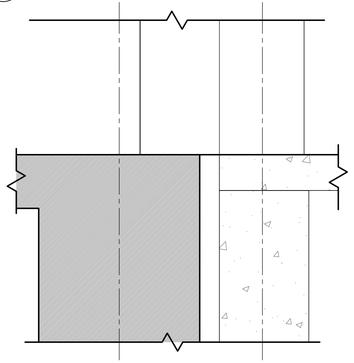

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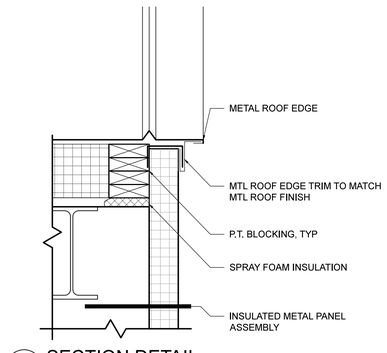

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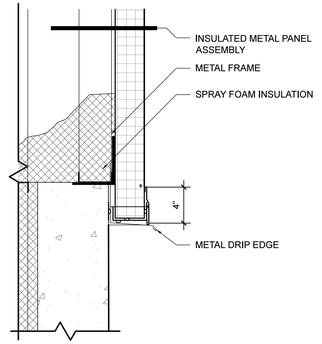

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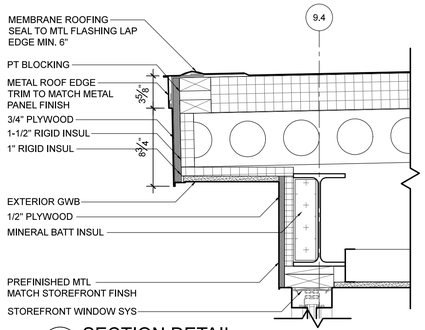

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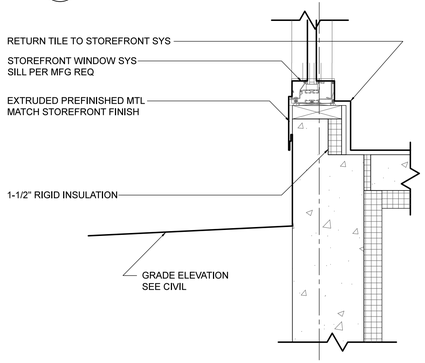

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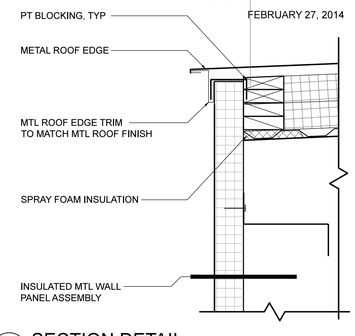

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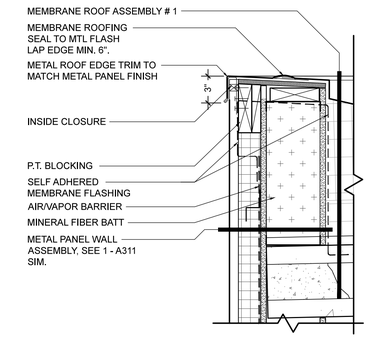

18 SECTION DETAIL
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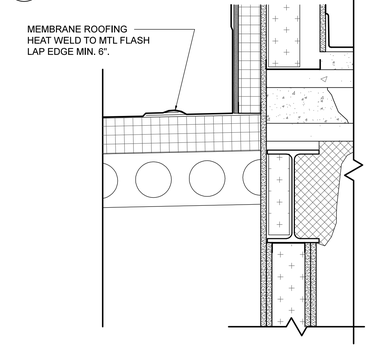
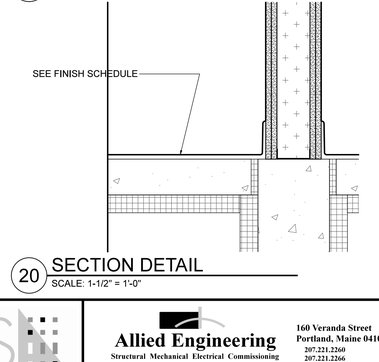


19 SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



20 SECTION DETAIL
SCALE: 1-1/2" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
COMMISSIONER:	
CHIEF ENGINEER:	

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

WIN: 020118.20

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – SECTION DETAILS

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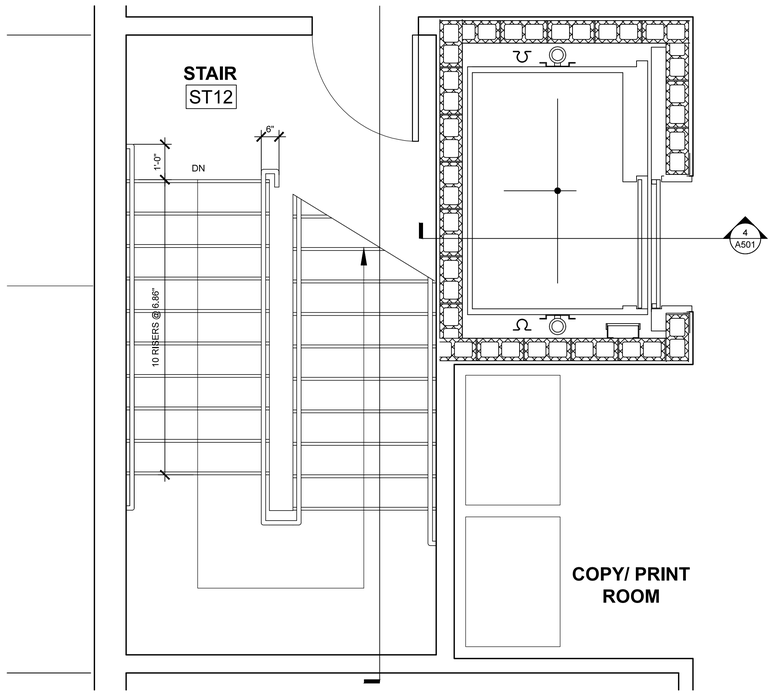
SHEET NUMBER
A412

SSA Scott Simons Architects
Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

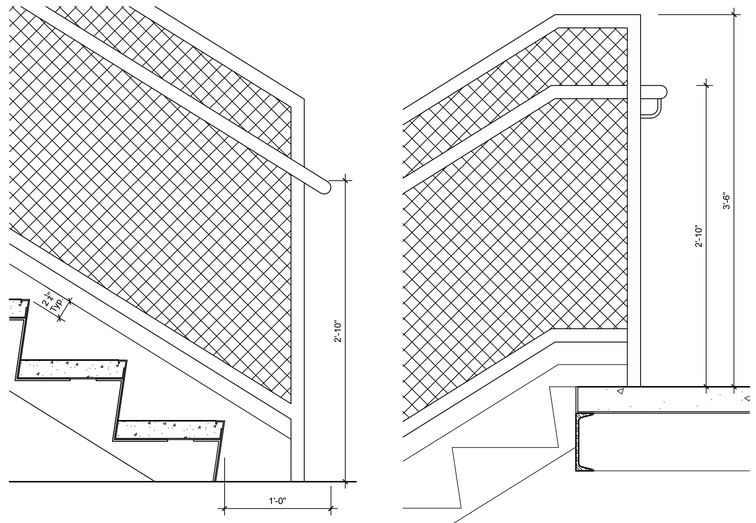
FILENAME: A411.DWG
Allied Project No: 13057
Cad File:

ISSUED FOR BID

FEBRUARY 27, 2014

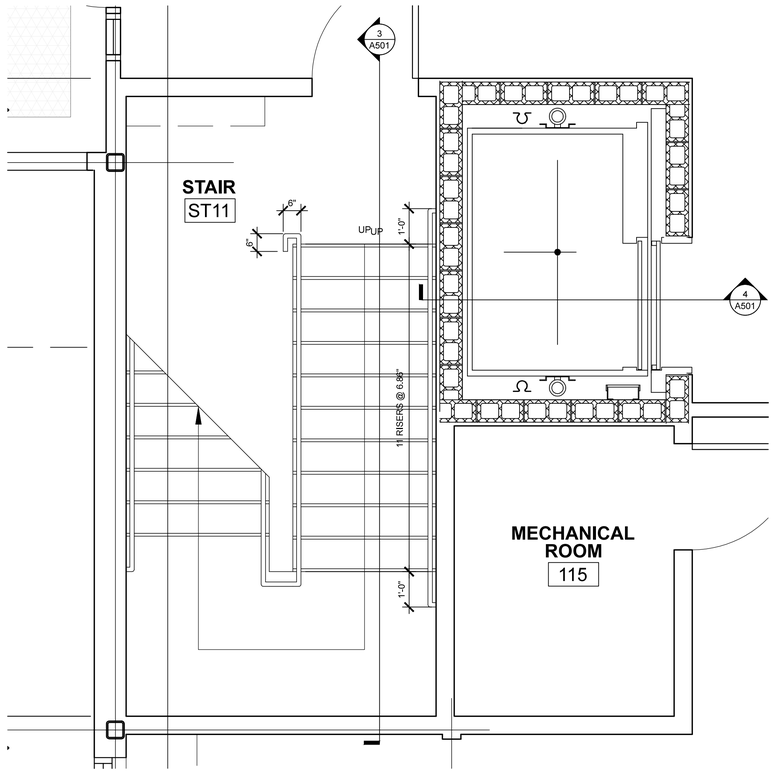


1 Enlarged Stair 1 Second Floor Plan
SCALE: 1/2" = 1'-0"

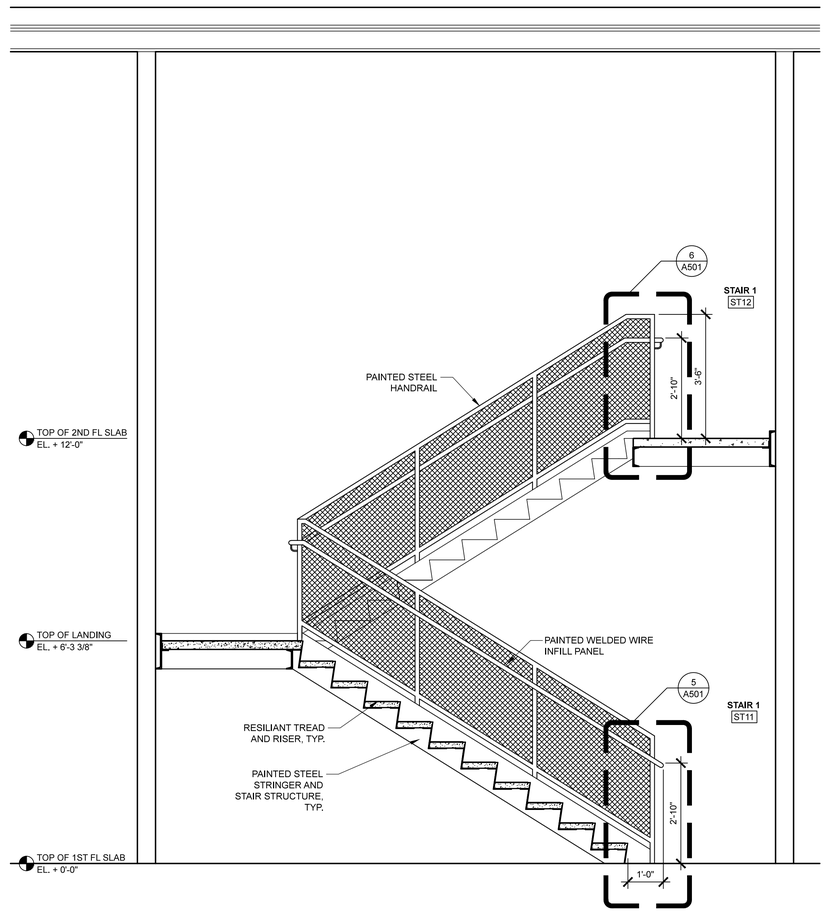


5 Stair 1 Bottom Landing Detail
SCALE: 1 1/2" = 1'-0"

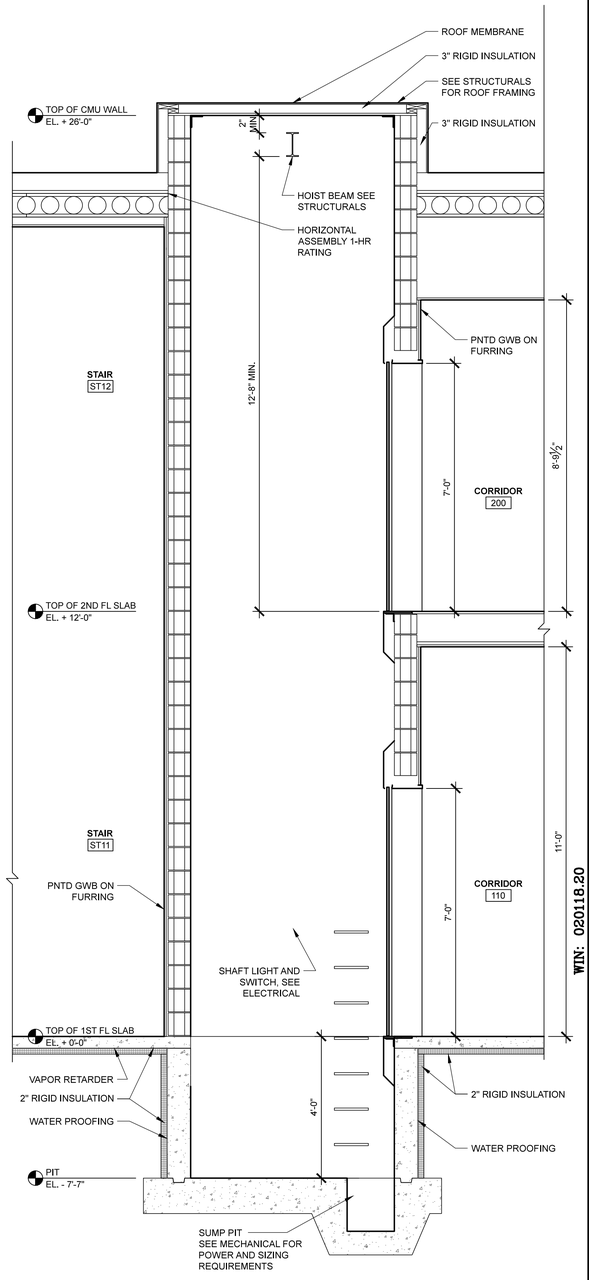
6 Stair 1 Top Landing Detail
SCALE: 1 1/2" = 1'-0"



2 Enlarged Stair 1 First Floor Plan
SCALE: 1/2" = 1'-0"



3 Stair 1 Section
SCALE: 1/2" = 1'-0"



4 ELEVATOR SECTION
SCALE: 1/2" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

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ARCH. LIN. NUMBER

DATE FEBRUARY 27, 201

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	I

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66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

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SHEET NUMBER

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Allied Project No: 13057 Cad File:

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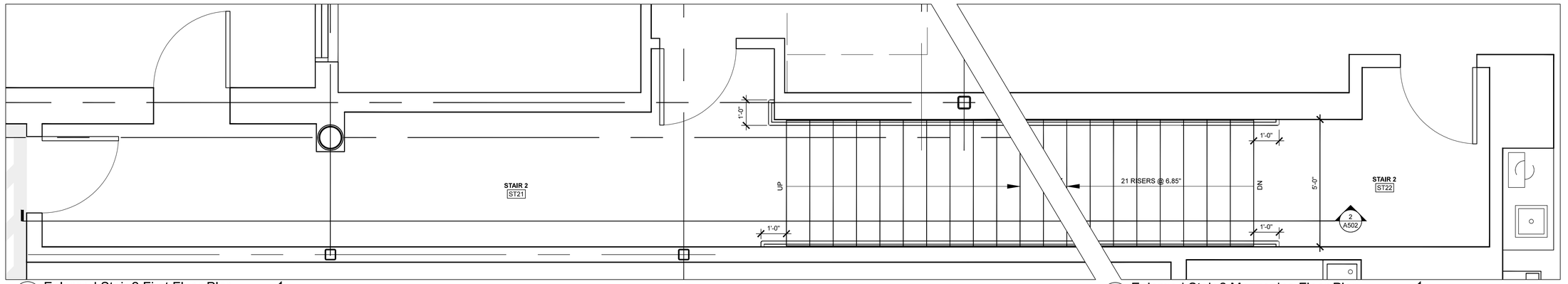
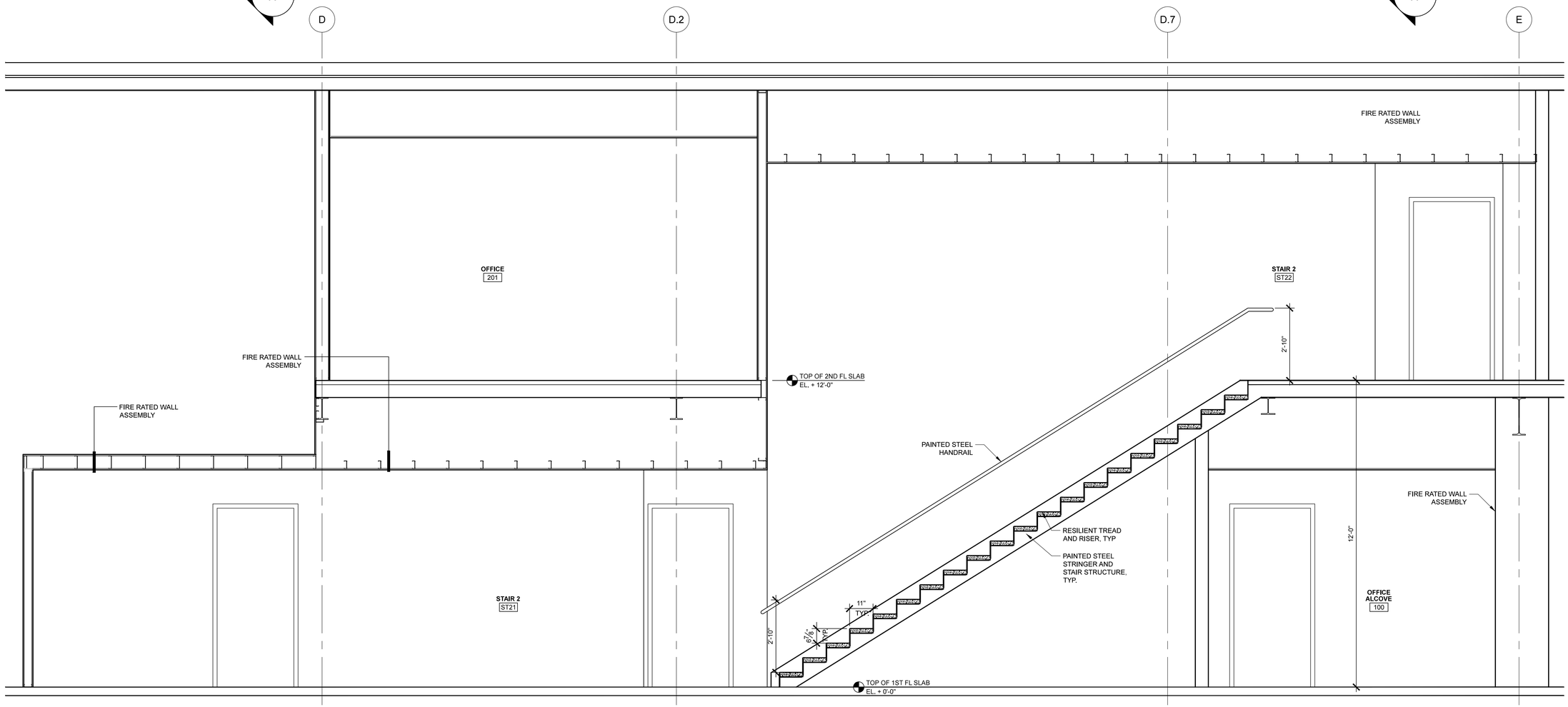


1 Enlarged Stair 2 First Floor Plan
SCALE: 1/2" = 1'-0"

2 Enlarged Stair 2 Mezzanine Floor Plan
SCALE: 1/2" = 1'-0"



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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE	–
ARCH. LIN. NUMBER	
DATE	FEBRUARY 27, 201

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

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SHEET NUMBER
A502

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FILENAME: A502.DWG
Allied Project No: 13057 Cad File:

WINDOW SCHEDULE

TYPE	MANUFACTURER	MODEL	OPERATION	FRAME SIZE				DETAILS			SCREEN	GLAZING	REMARKS
				WIDTH	HEIGHT	PITCH	JAMB DEPTH	HEAD	JAMB	SILL			
1	MARVIN	CUPCA4054 E	FIXED CASEMENT	3' - 4"	4' - 5 1/4"		SEE DETAIL	1;3,5/A603	1;3,5/A603 SIM	2;4/A603	N/A	SEE SPEC	
2	MARVIN	CUCAVP7254 T	FIXED CASEMENT	6' - 0"	4' - 5 1/4"		SEE DETAIL	1;3,5/A603	1;3,5/A603 SIM	2;4/A603	N/A	SEE SPEC	
3	MARVIN	CUPCA4064 E	FIXED CASEMENT	3' - 4"	5' - 3 1/4"		SEE DETAIL	1/A603	1/A603	2/A603	N/A	SEE SPEC	
4	MARVIN	CUCAVP7264	FIXED CASEMENT	6' - 0"	5' - 3 1/4"		SEE DETAIL	1/A603	1/A603	2/A603	N/A	SEE SPEC	
INTERIOR													
11	HM FRAME		FIXED	5'-0"	3'-8"		SEE PART. TYP	1/A603	1/A603	1/A603	N/A	SEE SPEC	BY DOOR FRAME MFG
12	HM FRAME		FIXED	4'-0"	3'-8"		SEE PART. TYP	1/A603	1/A603	1/A603	N/A	SEE SPEC	BY DOOR FRAME MFG
13	HM FRAME		FIXED	2'-0"	3'-8"		SEE PART. TYP	1/A603	1/A603	1/A603	N/A	SEE SPEC	BY DOOR FRAME MFG
14	HM FRAME		FIXED	6'-0"	3'-8"		SEE PART. TYP	1/A603	1/A603	1/A603	N/A	SEE SPEC	BY DOOR FRAME MFG
15	HM FRAME		FIXED	3'-4"	3'-8"		SEE PART. TYP	1/A603	1/A603	1/A603	N/A	SEE SPEC	BY DOOR FRAME MFG
16	HM FRAME		FIXED	4'-8"	7'-2"		SEE PART. TYP	1/A603	1/A603	1/A603	N/A	SEE SPEC	BY DOOR FRAME MFG

DOOR SCHEDULE

MARK	LOCATION AREA	LOCATION ROOM	DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME SILL	FRAME THROAT WIDTH	HARDWARE	FIRE LABEL	REMARKS
100A	D	100		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	4	60 MIN.	
100B	D	100		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
101A	D	101		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
102A	D	102		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
103A	D	103		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
104A	D	104		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
105A	D	105		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
106A	D	106		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, FULL LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
110A	D	110A	INSULATED	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	ALUM, FULL LITE, PAIRED	ALUM	SF A	2	2	2	SEE PART/WALL TYPE	2		CARD READER
110B	D	110	INSULATED	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	ALUM, FULL LITE	ALUM	SF B'	3	3		SEE PART/WALL TYPE	3		
110C	D	110		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	4	60 MIN.	
110D	D	110		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	5		
110E	D	110	INSULATED W/ SIDE LITE	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	ALUM FULL LITE	ALUM	SF C	4	4	4	SEE PART/WALL TYPE	6		CARD READER
111A	D	111		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, FULL LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
111B	D	111	INSULATED W/ SIDE LITE	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	ALUM FULL LITE	ALUM	SF C	4	4	4	SEE PART/WALL TYPE	6		
111C	D	111A		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	7		
112A	D	112A		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	8	45 MIN.	
112B	D	112B		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	8	45 MIN.	
112C	D	112B		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	8	45 MIN.	
112D	D	112A	INSULATED W/ SIDE LITE	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	ALUM FULL LITE	ALUM	SF C	4	4	4	SEE PART/WALL TYPE	6		
113A	D	113		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, FULL LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
114A	D	114		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, FULL LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
115A	D	115		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	10	45 MIN.	
116A	D	116		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
117A	D	117		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	11		
118A	D	118		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	11		
119A	D	119		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
119B	B	119		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	7		
120A	D	120	INSULATED	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	ALUM FULL LITE	ALUM	SF B	3	3	3	SEE PART/WALL TYPE	3		
120B	D	120		3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, VISION PANEL	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
120C	D	120		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, HALF LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
120D	D	120		3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, VISION PANEL	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
123A	D	123		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, HALF LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
123B	D	123		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, HALF LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
124A	D	124A		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	11		
124B	D	124B		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	11		
125A	D	125		3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	1	1	1		SEE PART/WALL TYPE	11	45 MIN.	
131A	C	131		3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, VISION PANEL	HM	1	1	1	5	SEE PART/WALL TYPE	1	45 MIN.	
131B	C	131	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	2	5	5		SEE PART/WALL TYPE	9		
132A	C	132		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
133A	C	133		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
134A	C	134		3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	1	1	1		SEE PART/WALL TYPE	11	45 MIN.	
135A	C	135		3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, VISION PANEL	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
135B	C	135		3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, VISION PANEL	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
135C	C	135		3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	1	1	1		SEE PART/WALL TYPE	5		
136A	C	136		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	11		
138A	C	138		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
140A	A	140	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	INSUL. HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		
140B	A	140		6' - 0"	7' - 0"	1 3/4"	HM	HM, PAIRED, VISION	HM	3	6	6		SEE PART/WALL TYPE	12	45 MIN.	
140C	A	140	OVHD, POWER REQ'D.	14' - 0"	16' - 0"	-		OVERHEAD, INSULATED						SEE PART/WALL TYPE		45 MIN.	
140D	A	140	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	INSUL. HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	8		CARD READER
140E	A	140	CUSTOM, ASYMETRICAL INSULATED SLIDING DOOR	14' - 0"	14' - 0"	4 1/2"		EXT. DBL SLIDING						SEE PART/WALL TYPE			SEE 19, 20/A411
141A	A	141		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
142A	A	142		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
142B	A	142		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
143A	A	143		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, FULL LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
144A	A	144		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, FULL LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
146A	A	146		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
150A	B	150	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		CARD READER
150B	B	150	OVHD, POWER REQ'D.	24' - 0"	16' - 0"	-		OVERHEAD, INSULATED			8	8	8	SEE PART/WALL TYPE			
150C	D	150		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	4	60 MIN.	
150D	D	150	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	6	45 MIN.	CARD READER
151A	D	151	CHAIN LINK GATE											SEE PART/WALL TYPE			
151B	D		CHAIN LINK GATE											SEE PART/WALL TYPE			
160A	B	160	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		
160B	B	160	OVHD, POWER REQ'D.	16' - 0"	16' - 0"	-		OVERHEAD, INSULATED			8	8	8	SEE PART/WALL TYPE			
170A	C	170	OVHD, POWER REQ'D.	16' - 0"	16' - 0"	-		OVERHEAD, INSULATED			8	8	8	SEE PART/WALL TYPE			
170B	C	170	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		
170C	C	170	OVHD, POWER REQ'D.	16' - 0"	16' - 0"	-		OVERHEAD, INSULATED			8	8	8	SEE PART/WALL TYPE			
180A	A	180	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		
180B	A	184		3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	1	1	1		SEE PART/WALL TYPE	1		
180C	A	180	COILING, POWER REQ'D.	18' - 0"	16' - 0"	-		COILING, HIGH SPEED						SEE PART/WALL TYPE			
180D	A	180	OVHD, POWER REQ'D.	24' - 0"	16' - 0"	-		OVERHEAD, INSULATED			8	8	8	SEE PART/WALL TYPE			
181A	C	181	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		CARD READER
181B	C	181	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		CARD READER
182A	C	182		3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	1	1	1		SEE PART/WALL TYPE	10	45 MIN.	
182B	C	182		3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	1	1	1		SEE PART/WALL TYPE	10	45 MIN.	
183A	B	183		3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	1	1	1		SEE PART/WALL TYPE	1	45 MIN.	
191A	C	191	COILING, POWER REQ'D.	16' - 0"	16' - 0"	-		COILING, INSULATED			10	10		SEE PART/WALL TYPE			
191B	C	191	COILING, POWER REQ'D.	16' - 0"	16' - 0"	-		COILING, INSULATED			10	10		SEE PART/WALL TYPE			PROVIDE EMER. EGRESS OPERATOR
191C	C	191	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		
192A	C	192	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		
192B	C	192	COILING, POWER REQ'D.	16' - 0"	16' - 0"	-		COILING, INSULATED			10	10		SEE PART/WALL TYPE			
193A	C	193	COILING, POWER REQ'D.	14' - 0"	16' - 0"	-		COILING, INSULATED						SEE PART/WALL TYPE			SEE DETAIL 7;A412
193B	C	193	COILING, POWER REQ'D.	16' - 0"	16' - 0"	-		COILING, INSULATED			10	10		SEE PART/WALL TYPE			PROVIDE EMER. EGRESS OPERATOR
194A	C	194	COILING, POWER REQ'D.	16' - 0"	16' - 0"	-		COILING, INSULATED			12	12		SEE PART/WALL TYPE			
194B	C	194	COILING, POWER REQ'D.	14' - 0"	16' - 0"	-		COILING, INSULATED						SEE PART/WALL TYPE			SEE DETAIL 7;A412
194C	C	194	COILING, POWER REQ'D.	16' - 0"	16' - 0"	-		COILING, INSULATED			10	10		SEE PART/WALL TYPE			PROVIDE EMER. EGRESS OPERATOR
194D	C	194	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM/GLASS	HM, HALF LITE	HM	2	5	5	5	SEE PART/WALL TYPE	9		
196B	C	196	INSULATED	3' - 0"	7' - 0"	1 3/4"	HM	HM	HM		13	13		SEE PART/WALL TYPE	9		
196C	C	196	6' COIL. AT MECH MEZZ. POWER	6'-0"	8'-0"	-		COILING, INSULATED			10	10		SEE PART/WALL TYPE			
197A	C	197		2' - 6"	7' - 0"	1 3/4"	HM	HM	HM	1	1	1		SEE PART/WALL TYPE	1		
200A	D	200		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	4	60 MIN.	
201A	D	201		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	4	60 MIN.	
203A	D	203		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
204A	D	204		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
205A	D	205		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
206A	D	206		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
207A	D	207		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
208A	D	208		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
209A	D	209		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
210A	D	210		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
211A	D	211		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
212A	D	212		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
213A	D	213		3' - 0"	7' - 0"	1 3/4"	WOOD/GLASS	WOOD, VISION LITE	HM	1	1	1		SEE PART/WALL TYPE	1		
214A	D	214		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
215A	D	215		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	11		
216A	D	216		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	11		
217A	D	217		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	1		
220A	D	220		3' - 0"	7' - 0"	1 3/4"	WOOD	FLUSH WOOD	HM	1	1	1		SEE PART/WALL TYPE	14	45 MIN.	CARD READER
221A	D	221	CHAIN LINK GATE	6' - 0"	7' - 0"	1 3/4"								SEE PART/WALL TYPE			
222A	D	222	CHAIN INK GATE	3' - 0"	7' - 0"	1 3/4"								SEE PART/WALL TYPE			

ISSUED FOR BID
FEBRUARY 27, 2014

PARTITION TYPES

MX 01 — UL# U420 — RATING 60 MINS
5/8" GWB; 3 5/8" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO; 5/8" GWB
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 52

MX 02 — UL# U420 — RATING 60 MINS
5/8" GWB; 3 5/8" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO; 5/8" GWB
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 52

M1 01 — UL# U— — RATING — MINS
5/8" GWB; FURRING CHANNEL 24" OC MAX
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE

M4 01 — UL# U419 — RATING 60 MINS
5/8" GWB; 3 5/8" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 49

M4 02 — UL# U419 — RATING 120 MINS
(2) 5/8" GWB; 3 5/8" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 56

M4 03 — UL# U— — RATING — MINS
5/8" GWB; 3 5/8" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE

M4 04 — UL# U— — RATING — MINS
(2) 5/8" GWB; 3 5/8" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE

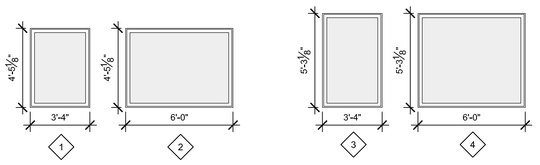
M6 01 — UL# U419 — RATING 60 MINS
5/8" GWB; 6" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 49

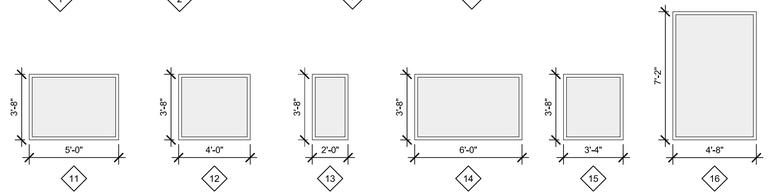
M6 02 — UL# U451 — RATING 60 MINS
(2) 5/8" GWB; 6" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO; RESILIANT CHANNEL; 5/8" GWB
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 59

M8 01 — UL# U419 — RATING 60 MINS
5/8" GWB; 8" METAL STUD @16" OC; PROVIDE ACOUSTIC BATT UNO
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 49

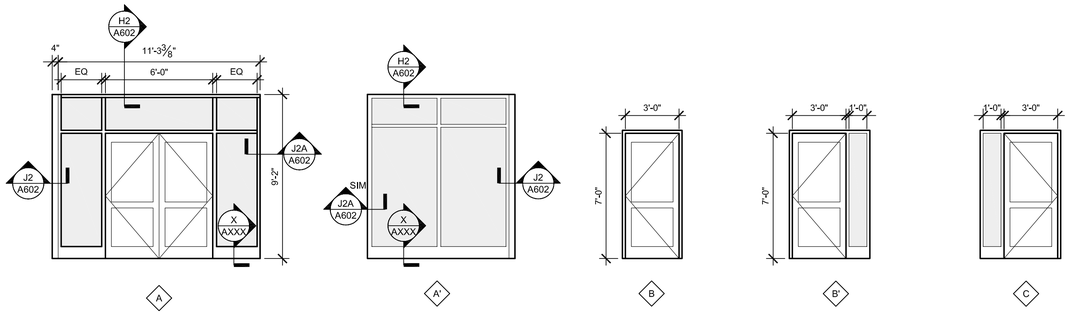
M8 HORZ — UL# L524 — RATING 60 MINS
1/2" PWD; 9 1/2" METAL STUD @16" OC; 1/2" GWB
-SEAL TO UNDERSIDE OF DECK WHERE RATED FOR SMOKE OR FIRE
-PROVIDE 5/8" BACKER BOARD AT LOCATIONS TO RECEIVE TILE
-STC 39

NOTES
-TYP SEAL PENETRATIONS THROUGH RATED ASSEMBLIES
-HORIZONTAL ASSEMBLIES NOTED ON A001 TO BE CONSTRUCTED PER FLOOR/CEILING UL L524

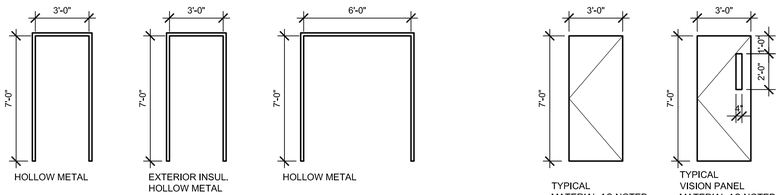




1 WINDOW TYPES
SCALE: 1/4" = 1'-0"



2 ALUM. STOREFRONT TYPES
SCALE: 1/4" = 1'-0"



3 FRAME TYPES
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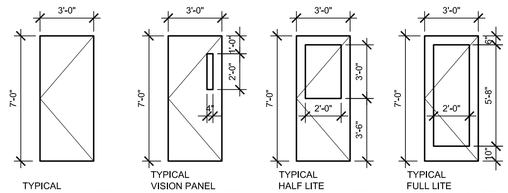


3 DOOR TYPES
SCALE: 1/4" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
DATE
COMMISSIONER:
CHIEF ENGINEER:

INFORMATION
PROJECT
PROGRAM
PROJECT MANAGER — ALLIED ENG., INC.
DESIGNER — SSA
CONSULTANT
PROJECT RESIDENT
CONTRACTOR
PROJECT COMPLETION DATE — -
SIGNATURE — -
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION
ARCHITECTURAL – DOOR, WINDOW, AND PARTITION SCHEDULE

SHEET NUMBER
A601

Scott Simons Architects

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

FILENAME: A601.DWG — Allied Project No: 13057 — Cad File:

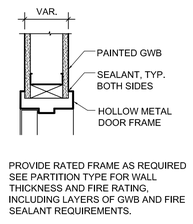
ROOM FINISH SCHEDULE

ROOM		FLOOR		WALLS				CEILINGS		NOTES
NO.	NAME	FLOOR	BASE	NORTH	SOUTH	EAST	WEST	MTL	HGT	
100	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	AREA INCLUDES PRINTER ALCOVE
101	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
102	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
103	OFFICE	CPT 1	WD	PNTD GWB				ACT	SEE RCP	
104	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
105	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
106	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
110	CORRIDOR	VCT	VC	PNTD GWB				ACT	SEE RCP	
110A	ENTRY	CT	CT	PNTD GWB				PNTD GWB	SEE RCP	RECESSED WALK OFF GRATE- SEE SPEC.
111	BREAK	VCT	VC	PNTD GWB				ACT/GWB	SEE RCP	PNTD GWB SOFFIT AS SHOWN
111A	SPRINKLER		VC	PNTD GWB				-	SEE RCP	
112A	CONFERENCE	CPT 1	VC	PNTD GWB		-	PNTD GWB	ACT/GWB	SEE RCP	MOVABLE PARTITION, GWB SOFFITS AS NEEDED
112B	CONFERENCE	CPT 1	VC	PNTD GWB		-	-	ACT/GWB	SEE RCP	MOVABLE PARTITION, GWB SOFFITS AS NEEDED
113	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
114	OFFICE	CPT 1	VC	PNTD GWB				-	SEE RCP	
115	MECHANICAL	-	VC	PNTD GWB				-	SEE RCP	
116	STORAGE	VCT	VC	PNTD GWB				ACT	SEE RCP	
117	WOMEN	CT	CT	PNT/TILE				ACT	SEE RCP	TILE WAINSCOT SEE INTERIOR ELEVATION
118	MEN	CT	CT	PNT/TILE				ACT	SEE RCP	TILE WAINSCOT SEE INTERIOR ELEVATION
119	MAIN TELDATA ROOM (MDF)	-	VC	PNTD GWB				ACT	SEE RCP	
119B	JANITOR'S CLOSET	-	VC	PNTD GWB				ACT	SEE RCP	
120	CORRIDOR	VCT	VC	PNTD GWB				ACT	SEE RCP	
121	OFFICE	VCT	VC	PNTD GWB				ACT/GWB	SEE RCP	
122	OFFICE	VCT	VC	PNTD GWB				ACT	SEE RCP	
123	BREAK	VCT	VC	PNTD GWB				ACT	SEE RCP	
124A	UNISEX	CT	CT	PNTD/TILE				ACT	SEE RCP	TILE WAINSCOT SEE INTERIOR ELEVATION
124B	UNISEX	CT	CT	PNTD/TILE				ACT	SEE RCP	TILE WAINSCOT SEE INTERIOR ELEVATION
125	MEN	CT	CT	PNTD/TILE				ACT	SEE RCP	TILE WAINSCOT SEE INTERIOR ELEVATION
130	CORRIDOR	VCT	VC	PNTD GWB				ACT	SEE RCP	
131	OFFICE	CPT1/VCT	VC	PNTD GWB				ACT	SEE RCP	
132	N.O.C.	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
133	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
134	UNISEX	CT	CT	PNT/TILE				ACT	SEE RCP	
135	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
136	UNISEX	CT	CT	PNT/TILE				ACT	SEE RCP	
137	O.I.T. SHOP	-	-	PNTD GWB				-	SEE RCP	
138	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
140	SIGN SHOP FLOOR	-	-	PNTD GWB	PNTD PLYWD			-	SEE RCP	PROVIDE PNTD PLYWD E, S, W GWB/VC AT NORTH
141	SIGN SHOP OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	GWB SOFFITS AS NEEDED
142	SIGN SHOP WORKSHOP	-	VC	PNTD GWB				-	SEE RCP	
143	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
144	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
145	JANITOR	-	VC	PNTD GWB				ACT	SEE RCP	
146	TOILET	CT	CT	TILE/GWB				ACT	SEE RCP	
150	FAST LANE	-	-	-	-	-	-	-	-	
151	NAPA	-	-	PNTD	PLYWD/GWB			-	-	
160	HEAVY VEHICLE SERVICE	-	-	PNTD	PLYWD/GWB			-	-	
170	LIGHT VEHICLE SERVICE	-	-	PNTD	PLYWD/GWB			-	-	
180	FABRICATION	-	-	PNTD	PLYWD/GWB			-	-	
181	FABRICATION	-	-	PNTD	PLYWD/GWB			-	-	
182	ELECTRICAL	-	VC	PNTD GWB				PNTD/GWB	SEE RCP	
183	STORAGE	-	-	PNTD GWB				ACT	SEE RCP	
184	MACHINE	-	-	PNTD	PLYWD/GWB			-	-	PLYWOOD TO 8' HEIGHT
191	WASH	PNTD		PNTD CMU				PNTD	-	
192	PAINT	PNTD		PNTD CMU				PNTD	-	
193	PREP	PNTD		PNTD CMU				PNTD	-	
194	BLAST			PNTD CMU				PNTD	-	
195	DUST			PNTD CMU				-	-	
196	MECHANICAL			PNTD CMU				PNTD	PRECAST	
200	CORRIDOR	CPT 2	VC	PNTD GWB				ACT	SEE RCP	GWB SOFFIT
201	OFFICE	CPT 2	VC	PNTD GWB				ACT	SEE RCP	
202	CORRIDOR	CPT 2	VC	PNTD GWB				ACT	SEE RCP	
203	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
204	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
205	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
206	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
207	CONFERENCE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
208	OFFICE	CPT 1	WD	PNTD GWB				ACT	SEE RCP	
209	OFFICE	CPT 1	WD	PNTD GWB				ACT	SEE RCP	
210	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
211	OFFICE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
212	CONFERENCE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
213	CONFERENCE	CPT 1	VC	PNTD GWB				ACT	SEE RCP	
214	STORAGE	VCT	VC					ACT	SEE RCP	
215	WOMEN	CT	CT	TILE/PNTD				ACT	SEE RCP	GWB SOFFITS AS INDICATED
216	MEN	CT	CT	TILE/PNTD				ACT	SEE RCP	GWB SOFFITS AS INDICATED
217	MECHANICAL	VCT	VC	PNTD GWB				-	-	
220	SECURE STORAGE	-	-	CAGE	PNTD	PNTD	CAGE	-	-	
221	STORAGE	-	-	CAGE	CAGE	CAGE	CAGE	-	-	
222	MECHANICAL	-	-	CAGE	CAGE	CAGE	CAGE	-	-	
ST11	STAIR 1	RF	VC	PNTD GWB				PNTD GWB	SEE RCP	
ST12	STAIR 1	RF	VC	PNTD GWB				PNTD GWB	SEE RCP	
ST21	STAIR 2	RF/VCT	RF/VC	PNTD GWB				PNTD GWB	SEE RCP	
ST22	STAIR 2	CPT/RF	VC	PNTD GWB				PNTD GWB	SEE RCP	

MATERIALS LEGEND	
NO.	DESCRIPTION

ISSUED FOR BID

FEBRUARY 27, 2014



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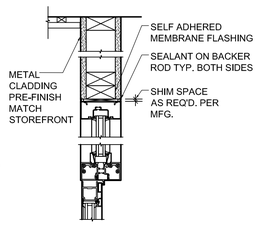

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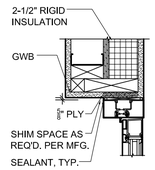

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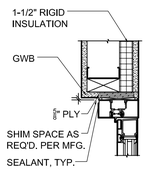

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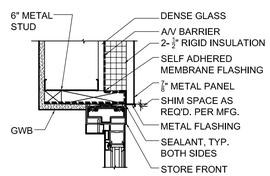
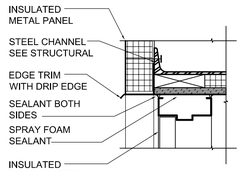


H4

1 DOOR HEAD DETAILS

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



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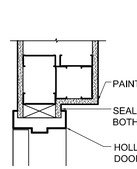

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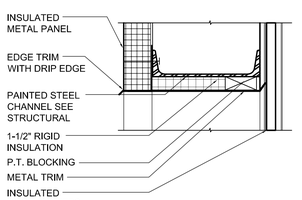

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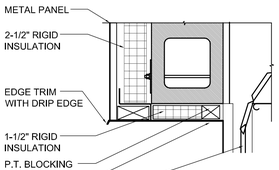
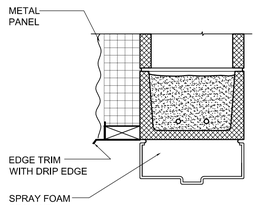


H10

1 DOOR HEAD DETAILS

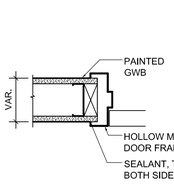
SCALE: 1 1/2" = 1'-0"



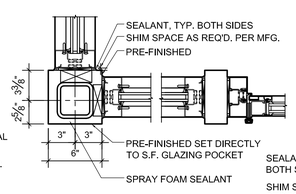
H13

1 DOOR HEAD DETAILS

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



J1



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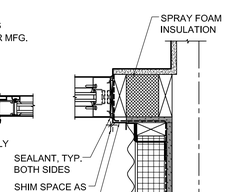

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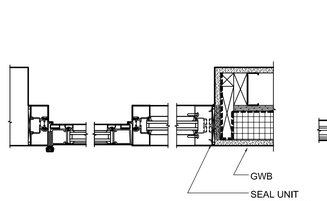

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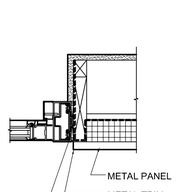

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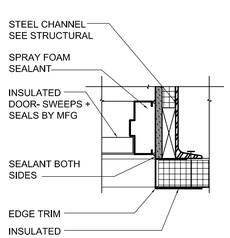

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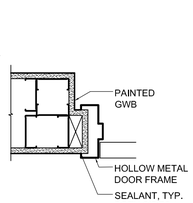

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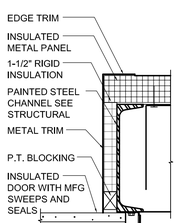

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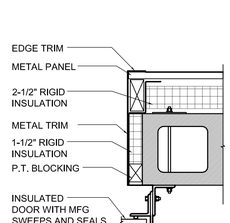

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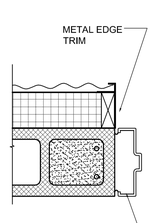

J13

1 DOOR JAMB DETAILS

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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
COMMISSIONER:	
CHIEF ENGINEER:	

SIGNATURE

ARCH. LIN. NUMBER

DATE FEBRUARY 27, 2014

WIN: 020118.20

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	SSA
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FINISH SCHEDULE

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SHEET NUMBER

A602

Scott Simons Architects

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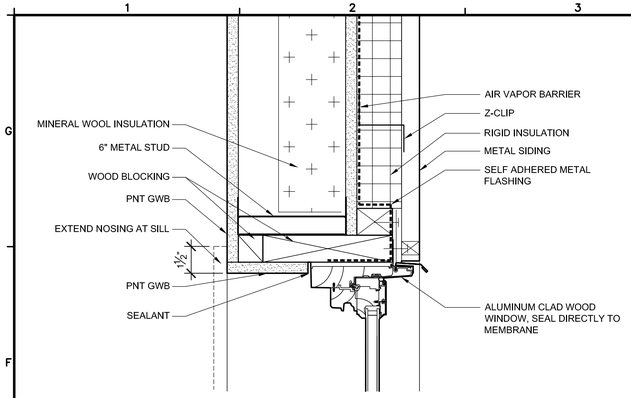
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
207.221.2260
207.221.2266
www.allied-eng.com

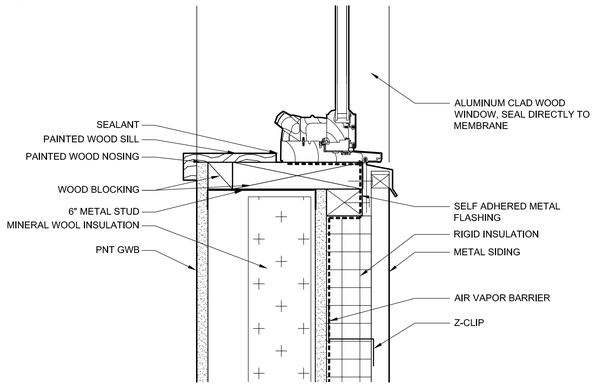
FILENAME: A602.DWG

Allied Project No: 13057 Cad File:

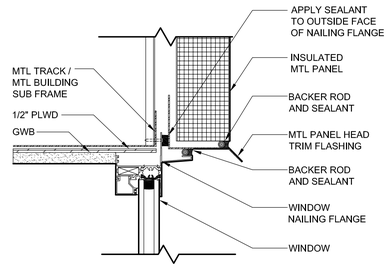
ISSUED FOR BID
FEBRUARY 27, 2014



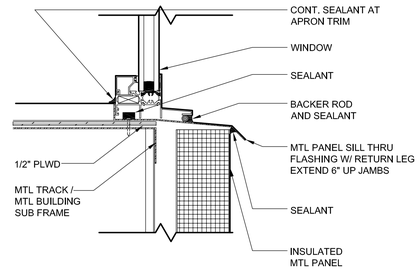
1 Head and Jamb Detail
SCALE: 3" = 1'-0"



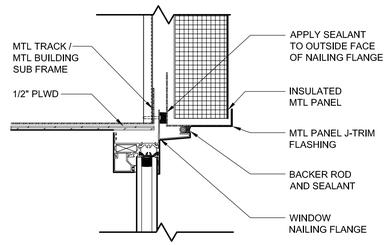
2 Sill Detail
SCALE: 3" = 1'-0"



3 Sign Shop Head Detail
SCALE: 3" = 1'-0"

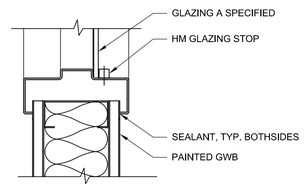


4 Sign Shop Sill Detail
SCALE: 3" = 1'-0"



5 Sign Shop Jamb Detail
SCALE: 3" = 1'-0"

6 Detail- Not Used
SCALE: 3" = 1'-0"



7 Head, Jamb, and Sill Detail
SCALE: 3" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE		
COMMISSIONER:		CHIEF ENGINEER:

LICENSED ARCHITECT
SCOTT R. SIMONS
NO. 2034
STATE OF MAINE

SIGNATURE -
ARCH. LIN. NUMBER
DATE FEBRUARY 27, 2014

INFORMATION

PROJECT PROGRAM	
PROJECT MANAGER	ALLIED ENG., INC.
DESIGNER	SSA
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL – FINISH SCHEDULE

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SHEET NUMBER
A603

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www.allied-eng.com

FILENAME: A602.DWG
Allied Project No: 13057 Cad File:

Username:

Division:

Date:

Filename:

1. ALL CONTRACTORS SHALL CONFORM TO SAFETY REQUIREMENTS OF THE OWNER, AIA DOCUMENTS, OSHA SAFETY AND HEALTH STANDARDS, AND OTHER LOCAL AUTHORITIES IN CONNECTION WITH THE PERFORMANCE OF THIS PROJECT.
2. ALL REFERENCED STANDARDS OR PUBLICATIONS SHALL PERTAIN TO THE MOST CURRENT DATA, STANDARD OR PUBLICATION, UNLESS NOTED OTHERWISE.
3. NOTES ON THESE DRAWINGS SHALL NOT SUPERCEDE OR REPLACE INFORMATION PROVIDED IN THE SPECIFICATIONS. ANY INCONSISTENCIES WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTIONS OF THE WORK.
4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, AS WELL AS THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND CIVIL DRAWINGS. . ALL DIMENSIONS AND ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS, WITH THE EXCEPTION OF STRUCTURAL MEMBER SIZES, ARE GENERATED BY OTHER DISCIPLINES. ANY DIMENSIONS OR ELEVATIONS OMITTED OR NOT SHOWN ON THE STRUCTURAL DRAWINGS SHOULD BE OBTAINED FROM THE DRAWINGS Of THE OTHER DISCIPLINES. ANY INCONSISTENCIES WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTIONS OF THE WORK.
5. IF DIFFERENCES OCCUR WITHIN OR BETWEEN THE DRAWINGS AND SPECIFICATIONS REGARDING MATERIALS, STRENGTHS OR QUANTITIES, THE BETTER, HIGHER STRENGTH, AND GREATER QUANTITY INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.
6. THE CONTRACTOR SHALL VISIT THE SITE AT A DESIGNATED TIME APPROVED BY THE OWNER, TO VERIFY EXISTING CONDITIONS, DIMENSIONS, LOCATION OF EXISTING UTILITIES, ETC. THE CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES WITHOUT EXCEPTION.
7. THE STRUCTURE HAS BEEN DESIGNED AS A SELF-SUPPORTING SYSTEM ONCE ALL WORK CONTAINED ON THESE DRAWINGS HAS BEEN COMPLETED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCE OF INSTALLATION TO ENSURE SAFETY OF THE BUIDLING AND ITS OCCUPANTS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS AND TEMPORARY SHORING, PRECAUTIONS DURING BUILDING OPERATIONS, PROTECTION OF PUBLIC AND WORKERS, REMOVAL OF WASTE MATERIAL, PROTECTION OF ADJACENT PROPERTY, PROTECTION OF HAZARDOUS OPENINGS, SAFETY PRECAUTIONS, AND SANITARY PROVISIONS OF EMPLOYEES AND SUBCONTRACTORS AS REQUIRED FOR THE DURATION OF THE CONTRACT.
8. WORK SHALL BE DONE IN AN ORDERLY AND PROFESSIONAL MANNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK TO BE DONE BY SUBCONTRACTORS, LOCAL AUTHORITIES, STATE AGENCIES AND/OR UTILITY COMPANIES WHICH MAY HAVE JURISDICTION OVER THIS PROJECT.
9. UTILITY EXTENSIONS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES OR AS INDICATED BY THE SPECIFICATIONS.
10. CONTRACTOR SHALL PROVIDE AND INSTALL MATERIALS NECESSARY TO CONNECT ELEVATOR SUPPORT BEAMS AND/OR GUIDE RAILS TO THE STRUCTURE. LOCATION AND SIZE OF MEMBERS AND INSERTS SHALL BE CONFIRMED WITH THE ELEVATOR MANUFACTURER.
11. CONTRACTOR SHALL REVIEW AND SUBMIT COMPLETE SHOP DRAWINGS FOR ALL SPECIFIED PARTS OF THE WORK, INCLUDING SHORING AND CONSTRUCTION METHODS/SEQUENCING WHERE APPLICABLE. NO PORTION OF THE WORK COVERED BY THESE SHOP DRAWINGS SHALL COMMENCE UNTIL RETURNED APPROVED SHOPS ARE RECEIVED BY THE CONTRACTOR. SEE SPECIFICATIONS FOR SPECIFIC SHOP SUBMITTAL REQUIREMENTS.
12. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY EXISTING ITEMS DAMAGED BY NEW CONSTRUCTION, AND FOR ANY INCIDENTAL REPAIRS OF EXISTING FINISHED SURFACES DISTURBED BY NEW CONSTRUCTION; SUCH REPAIRS SHALL MATCH EXISTING TO THE OWNER'S SATISFACTION.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING, HANDLING, AND STORAGE OF ITEMS/MATERIALS TO REMAIN THE PROPERTY OF THE OWNER WITH THE OWNER'S REPRESENTATIVE.
14. SPECIAL INSPECTIONS AS REQUIRED BY 780 CMR 17.00 - QUALITY ASSURANCE DURING CONSTRUCTION, SHALL BE PERFORMED BY AN INSPECTION AGENCY CONTRACTED BY THE OWNER.

E1 GENERAL NOTES

1. COLD-FORMED METAL FRAMING (CFMF) UNITS INCLUDE C-SHAPED STEEL STUDS, T-SHAPED TRACKS FOR LOAD AND NON-LOAD BEARING WALLS AND C-SHAPE JOISTS.
2. ALL COLD-FORMED FRAMING TO BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT LOCATION STATE. DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER OF RECORD FOR REVIEW.
3. ALL COMPONENTS SHALL CONFORM TO AISI "SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND ASTM A446. ALL STUDS, JOISTS AND ACCESSORIES SHALL BE GALVANIZED (MINIMUM G-60) ASTM A525.
4. MEMBER SIZES AND GAUGES INDICATED ON DRAWINGS ARE REFERENCED TO METAL FRAMING MANUFACTURED BY THE STEEL NETWORK, HEADQUARTERED IN DURHAM, NORTH CAROLINA. SIZES ARE INDICATED FOR PRICING ONLY. ACTUAL SIZES SHALL BE DESIGNED BY REGISTERED P.E. SEALED CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. FABRICATOR AND ERECTOR SHALL BOTH HAVE A MINIMUM FIVE YEARS EXPERIENCE ON SIMLAR INSTALLATIONS..
5. GALVANIZED STUDS, JOIST AND ACCESSORIES SHALL BE FORMED FROM THE FOLLOWING YIELD STRENGTH AND ITS RESPECTIVE GAUGE: 20 GA-33 KSI, 18 GA-33 KSI, 16 GAUGE AND HEAVIER – 50 KSI, UNLESS NOTED OTHERWISE.
6. CUTTING COMPONENTS SHALL BE ACCOMPLISHED WITH SAW OR SHEAR. TORCH CUTTING IS NOT PERMITTED.
7. WELDS SHALL CONFORM TO AWS D1.1, AWS D1. AND AISI MANUAL SECTION E2. WELDS SHALL BE TOUCHED-UP USING A ZINC-RICH PAINT. WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS.
8. SELF-TAPPING SCREWS SHALL HAVE A PROTECTIVE COATING AT LEAST EQUIVALENT TO CADMIUM OR ZINC PLATING (ASTM A165 TYPE NS) FOR USE IN EXTERIOR ASSEMBLIES.
9. FASTENING OF COMPONENTS SHALL BE WITH SELF-TAPPING SCREWS OR WELDING OF SUFFICIENT SIZE TO MEET OR EXCEED THE DESIGN LOADS AND TO ASSURE THE STRENGTH OF THE CONNECTION.
10. PROVIDE BRIDGING AND BLOCKING AS INDICATED ON THE SHOP DRAWINGS OR AS REQUIRED BY AISI.
11. ALL FIELD ABRASIONS TO MEMBERS FROM FIELD WELDING SHALL BE TOUCHED UP WITH ZINC-RICH PAINT.
12. AT TRACK BUTT JOINTS, TRACK MUST BE ANCHORED TO A COMMON STRUCTURAL ELEMENT WITHIN 6 INCHES OF END OF TRACK.
13. STUDS SHALL BE SEATED SQUARELY IN TRACK WITH STUD FLANGES ABUTTING THE TRACK FLANGES. STUDS SHALL BE PLUMBED, ALIGNED AND SQUARELY ATTACHED TO FLANGES OF TOP AND BOTTOM TRACK WITH 2-#10 TEK SCREWS MINIMUM UNLESS NOTED ON PLANS.
14. SPLICES IN AXIALLY LOADED STUDS SHALL NOT BE PERMITTED.
15. STUDS SHALL BE SO POSITIONED THAT STUDS ALIGN ABOVE AND BELOW FLOOR AND ROOF FRAMING JOISTS.
16. ALL BRACING, BLOCKING, AND CONNECTIONS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS UNLESS NOTED.

A1 COLD-FORMED METAL FRAMING NOTES

FOUNDATIONS:

1. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY S. W. COLE ENGINEERING, INC., DATED NOVEMBER 7, 2013. FOUNDATION DESIGNS ARE BASED ON THE SOILS REPORT REFERENCED ABOVE. FOUNDATION SYSTEMS HAVE BEEN DESIGNED WITH AN ASSUMED BEARING CAPACITY OF 1.5 KSF. THE ALLOWABLE BEARING PRESSURE SHALL BE VERIFIED BY THE OWNER'S TESTING AGENCY PRIOR TO PLACING ANY FOOTING CONCRETE.
2. ALL FOOTING BOTTOMS SHALL BE INSPECTED AND APPROVED, IN WRITING, BY A REGISTERED SOILS ENGINEER PRIOR TO PLACING CONCRETE. WRITTEN APPROVAL SHALL SPECIFY THAT THE SOIL HAS THE CAPACITY TO SUPPORT THE DESIGNED BEARING PRESSURE.
3. ALL BEDDING AND FILL PROFILES BENEATH SLABS ON GRADE AND FOUNDATION FOOTINGS SHALL COMPLY WITH THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT REFERENCED ABOVE.
4. FOUNDATION WALL REINFORCING WILL BE ADJUSTED AS REQUIRED NOT TO INTERFERE WITH BASE PLATE ANCHOR BOLTS
5. EXCAVATIONS FOR BUILDING FOUNDATIONS AND STRUCTURES SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS. BRACED EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE. DO NOT UNDERMINE EXISTING ADJACENT FOUNDATIONS.
6. INTERSECTING CONCRETE WALLS SHALL BE TIED WITH #4 L-BARS 3'-0" LONG (BENT 18-INCHES – 18-INCHES), SPACED AT 12-INCHES ON-CENTER, OUTSIDE FACE ONLY.
7. IN NO CASE SHALL HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION/BASEMENT WALL WITHOUT FULL COMPACTION EACH SIDE. IF THE CONTRACTOR DEEMS IT NECESSARY TO OPERATE SUCH EQUIPMENT CLOSER THAN 8'-0", THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND, AT HIS OWN EXPENSE. PROVIDE ADEQUATE SUPPORTS OR WALL BRACES TO WITHSTAND THE ADDITIONAL LOADS SUPERIMPOSED FROM SUCH EQUIPMENT.
8. FOUNDATION WALL CONTROL JOINTS SHALL BE PLACED AS SHOWN ON THE BUILDING ELEVATIONS (EXTERIOR) AND AT A MAXIMUM SPACING OF 30'-0" (INTERIOR).
9. CONCRETE SHALL NOT BE PLACED ON FROZEN GROUND OR IN WATER.

CONCRETE:

1. CONCRETE WORK SHALL COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS"; ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"; AND ACI 315 "ACI DETAIL MANUAL", AND CRSI "MANUAL OF STANDARD PRACTICE".
2. CONTRACTOR SHALL PROVIDE TIES AND BRACING WHERE NECESSARY DURING CONSTRUCTION, TO REMAIN IN PLACE UNTIL THE STRUCTURES ARE COMPLETE.
3. CONCRETE SHALL BE:
   a. FOOTING AND FOUNDATION WALLS: 3500 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 4-INCHES.
   b. INTERIOR SLABS-ON-GRADE: 3,500 PSI CONCRETE AT (28) DAYS. SLUMP SHALL NOT EXCEED 3-INCHES.
   c. EXTERIOR SLABS ON GRADE SIDEWALKS, AND STAIRS SHALL BE 4000 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 3-INCHES.
   d. SEE SPECIFICATIONS SECTION 033000 FOR FURTHER CAST-IN-PLACE CONCRETE REQUIREMENTS.
4. 4-INCH SLABS ON GRADE SHALL BE REINFORCED WITH 6 X 6 X W2.9 X W 2.9 WWM UNLESS OTHERWISE NOTED. 6-INCH SLABS ON GRADE SHALL BE REINFORCED WITH #4 BARS AT 18-INCHES ON-CENTER UNLESS OTHERWISE NOTED.
5. WALLS EXCEEDING 90 FEET IN LENGTH SHALL CONTAIN EXPANSION JOINTS SPACED AT 90 FEET (MAX.) ON CENTER.
6. ALL CONSTRUCTION JOINTS FOR SLABS SHALL BE KEY JOINTED AT MID-SPAN WITH REINFORCING DISCONTINUOUS AT JOINT.
7. FLOOR SLAB CONTROL JOINTS (INCLUDING ELEVATED SLAB) SHALL BE PLACED AS SHOWN ON THE FOUNDATION PLAN (SLAB-ON-GRADE) OR AS DIRECTED BY THE ENGINEER. UNLESS OTHERWISE NOTED, CONTROL JOINTS WILL BE SPACED NOT TO EXCEED 12'-0" ON-CENTER IN BOTH DIRECTIONS AND SHALL BE FILLED WITH SEALANT AT THE COMPLETION OF THE PROJECT.
8. CONTRACTOR WILL CHECK WITH EACH TRADE TO ASSURE CORRECT LOCATION, SIZE, LINE AND ELEVATION OF SLEEVES, BOND-OUTS, ETC. REQUIRED IN CONCRETE FLOORS AND WALLS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FLOOR DRAIN SETTING FOR ELEVATION AND PLUMBNESS TO ASSURE COMPLETE AREA DRAINAGE.
10. WELDING OF REINFORCEMENT IS NOT PERMITTED.
11. EXPOSED CONCRETE SHALL BE NEATLY FINISH-RUBBED.
12. MECHANICAL EQUIPMENT RESTING ON THE CONCRETE FLOOR SLAB SHALL HAVE A 4-INCH HIGH CONCRETE PAD UNDERNEATH, EXTENDING A MINIMUM OF 6-INCHES BEYOND UNIT EDGE (EACH DIRECTION), REINFORCED WITH #3 BARS AT 18-INCHES ON-CENTER EACH WAY.
13. STRUCTURAL STEEL BELOW FINISH FLOOR SHALL RECEIVE (2) COATS OF BITUMINOUS MASTIC.
14. ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED. CONCRETE SHALL NOT BE IN DIRECT CONTACT WITH ALUMINUM.
15. PROVIDE IN SLABS ON GRADE (2) BARS 4'-0" LONG AT EACH REENTRANT CORNER AND BOTH SIDES OF DOOR OPENING.
16. REFER TO ACI 318 (LATEST EDITION) FOR MINIMUM CONCRETE COVER FOR REINFORCING STEEL.
17. UNLESS OTHERWISE NOTED, REINFORCING LAP SPLICES SHALL BE ACI CLASS B SPLICES USING THE FOLLOWING LAP LENGTHS:

BAR SIZE	3	4	5	6	7	8	9	10	11
LAP (in.)	22	29	36	43	63	72	80	89	98

18. COORDINATE SLAB DEPRESSIONS WITH ARCHITECTURAL DRAWINGS.
19. SLAB THICKNESSES (ELEVATED OR ON-GRADE) INDICATED ON THE DRAWINGS ARE MINIMUMS. PROVIDE SUFFICIENT CONCRETE TO ACCOUNT FOR STRUCTURE DEFLECTION AND/OR SUBGRADE FLUCTUATIONS IN ORDER TO OBTAIN SPECIFIED SLAB ELEVATIONS AT THE FLATNESS AND LEVELNESS INDICATED IN THE SPECIFICATION.
20. DRILLED-IN ANCHOR BOLTS OR REBAR DOWELS SHALL BE INSTALLED AS FOLLOWS:
   - LOCATE ANCHOR BOLTS OR DOWELS TO AVOID CUTTING EXISTING REBAR.
   - DEPTH IS BASED ON A CLEAN HOLE WITH ROUGH SIDES. ROTARY PERCUSSION EQUIPMENT AND COURSE ROCK CUTTING CHISELS ARE RECOMMENDED. DIAMOND CORE BITS SHOULD BE AVOIDED AS EMBEDMENT LENGTHS MAY NEED TO BE INCREASED. HOLE SIZE TO BE PER MANUFACTURER'S RECOMMENDATIONS.
   - CLEAN HOLES WITH COMPRESSED AIR OR VACUUM, REMOVE ANY FREE-STANDING WATER AND ALLOW HOLE TO DRY.
   - GROUT ANCHOR BOLTS OR DOWELS WITH HILTI HIT HY-150 ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. (HILTI HVA ADHESIVE CAPSULE MAY BE SUBSTITUTED FOR THE HILTI HIT HY-150 ADHESIVE.)

A3 FOUNDATION NOTES

1. BUILDING CODE:
   A. WORK SHALL BE DONE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, IBC 2009.
   B. BUILDING CLASSIFICATION PER ASCE 7-05 SECTION 1.5, TABLE 1-1 ENTITLED "OCCUPANCY CATEGORY OF BUILDINGS AND OTHER STRUCTURES FOR FLOOD, WIND, SNOW, EARTHQUAKE, AND ICE LOADS" AND IBC 2009, SECTION 1604.5.
2. MINIMUM LOADING REQUIREMENTS:
   A. ROOF SNOW LOADS: (EXCEPT AT DRIFTING SNOW LOCATIONS AND THOSE LISTED BELOW)
      a. GROUND SNOW LOAD: P_G = 70.0 PSF
         1. IMPORTANCE FACTOR: I = 1.0
         2. COLD ROOF SLOPE FACTOR: C_S = 1.0
         3. THERMAL FACTOR: C_T = 1.0
         4. EXPOSURE FACTOR: C_E= 0.9
         5. TERRAIN CATEGORY: B
      b. FLAT ROOF SNOW LOAD: P_F = 44.1 PSF
      c. DRIFT – AS INDICATED ON THE DRAWINGS.
   B. DEAD LOAD:
      a. ROOF DEAD LOAD:
         1. MAIN ROOF 12.0 PSF (CF RAFTERS, DECKING, INSULATION, & 3 PSF COLLATERAL)
         2. COATINGS AND OFFICE ADDITION 75.0 PSF (8" PRECAST PLANK, ROOFING MATERIALS & 3 PSF COLLATERAL)
         3. SIGN SHOP 20.0 PSF (CF, DECKING, INSULATION, & 3 PSF COLLATERAL)
      b. FLOOR DEAD LOAD
         1. MEZZANINE (CFMF STORAGE) 15.0 PSF (CF JOISTS, 9/16" DECKING, 1/2" PLYWOOD, & 5 PSF COLLATERAL)
         2. MEZZANINE (PRECAST OFFICE) 83.0 PSF (8" PRECAST PLANK, 1" TOPPING, 5 PSF COLLATERAL)
         3. MEZZANINE (PRECAST STORAGE) 65.0 PSF (8" PRECAST PLANK, ROOFING MATERALS & 5 PSF COLLATERAL)
   C. ROOF LIVE LOAD:
      a. STANDARD ROOF LIVE LOAD: 20 PSF
   1. FLOOR LIVE LOADS:

	UNIFORM	CONCENTRATED	PARTITION
a. CORRIDORS – 1ST FLOOR	100 PSF		
b. MANUFACTURING			
1. LIGHT	125 PSF	2,000#	
c. OFFICE BUILDINGS			
1. LOBBIES AND 1ST FLOOR CORRIDORS	100 PSF	2,000#	
2. OFFICES	50 PSF	2,000#	15 PSF
3. CORRIDORS ABOVE 1ST FLOOR	80 PSF	2,000#	
d. STORAGE WAREHOUSES & MEZZANINES			
1. LIGHT	125 PSF		

   D. WIND:
      a. FACTORS:
         i. BASIC WIND SPEED: 95 MPH
         ii. EXPOSURE CATEGORY: B
         iii. IMPORTANCE FACTOR: 1.0
         iv. BUILDING HEIGHT: <40'
      b. WIND DESIGN PRESSURE
         i. MWFRS
            1. END ZONE WIDTH: 27 FEET
            2. TRANSVERSE
               a. INTERIOR ZONE 8.3 PSF
               b. END ZONE 11.3 PSF
            3. LONGITUDINAL
               a. INTERIOR ZONE 8.3 PSF
               b. END ZONE 11.3 PSF
         ii. COMPONENTS AND CLADDING
            1. END ZONE WIDTH: 14 FEET
            2. WALLS
               a. FIELD 13.7 PSF
               b. END ZONES 14.6 PSF
         iii. ROOF UPLIFT (IBC 2009)
            1. FIELD 15.5 PSF
            2. PERIMETER 18.3 PSF
            3. CORNERS 18.3 PSF
            4. STRIP WIDTH 14 FEET
   E. SEISMIC - EQUIVALENT LATERAL FORCE PROCEDURE
      a. COEFFICIENTS:
         i. RESPONSE SPECTRAL ACC. (0.2 sec.) S_s = 0.292g
         ii. RESPONSE SPECTRAL ACC. (1.0 sec.) S_1 = 0.077g
         iii. SOIL CLASSIFIATION: E
         iv. SITE COEFFICIENTS: F_a = 2.40; F_v = 3.50
         v. MAX. CONSIDERED EARTHQUAKE ACC @ 5% DAMPED DESIGN: S_{DS} = 0.461; S_{D1} = 0.180
         vi. BUILDING CATEGORY: II - STANDARD
         vii. SEISMIC DESIGN CATEGORY FOR 0.1 AND 1.0 SECONDS: C
         viii. FUNDAMENTAL PERIOD T_a = 0.318 SEC
         ix. SEISMIC RESPONSE COEFFICIENT Cs = 0.142
      b. DESIGN COEFFICIENTS AND FACTORS FOR SEISMIC FORCE RESISTING SYSTEMS
         i. BEARING WALL SYSTEMS
            1. ORDINARY REINFORCED MASONRY SHEAR WALLS
               a. RESPONSE MODIFICATION R = 2
               b. SYSTEM OVERSTRENGTH FACTOR Ω_0 = 2 ½
               c. DEFLECTION AMPLIFICATION FACTOR C_D = 1 ¾
            2. LIGHT FRAMED WALL SYSTEMS USING FLAT STRAP BRACING
               d. RESPONSE MODIFICATION R = 4
               e. SYSTEM OVERSTRENGTH FACTOR Ω0 = 2
               f. DEFLECTION AMPLIFICATION FACTOR CD = 3 ½
         ii. BUILDING FRAME SYSTEM
            1. ORDINARY MASONRY REINFORCED SHEAR WALLS
               a. RESPONSE MODIFICATION R = 2
               b. SYSTEM OVERSTRENGTH FACTOR Ω0 = 2 ½
               c. DEFLECTION AMPLIFICATION FACTOR CD = 2
            2. LIGHT FRAMED WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS
               a. RESPONSE MODIFICATION R = 2 ½
               b. SYSTEM OVERSTRENGTH FACTOR Ω0 = 2 ½
               c. DEFLECTION AMPLIFICATION FACTOR CD = 2 ½
3. STRUCTURAL STEEL SHALL BE DESIGNED USING THE 13TH EDITION OF THE AISC STEEL CONSTRUCTION MANUAL. STEEL BEAMS SHALL CONFORM TO ASTM A992, F_Y = 50ksi; MISCELLANEOUS PLATES, SHAPES, CHANNELS, ANGLES ETC. SHALL CONFORM TO ASTM A36, F_Y = 36ksi. ALL STEEL SUPPORTING MECHANCAL EQUIPMENT AND TO RECEIVE FIREPROOFING SHALL BE UNPAINTED AND UNPRIMED.
4. SEE ARCHITECTURAL WALL SECTIONS AND DETAILS FOR MISCELLANEOUS STEEL.
5. STEEL DECKING:
   A. SEE INDIVIDUAL STRUCTURAL PLANS FOR DEPTH, TYPE AND GAGE OF DECK FOR SPECIFIC AREAS. PROVIDE HEAVIER GAGE AS REQUIRED FOR CONSTRUCTION LOADING.
   B. STEEL DECK GAGE SELECTIONS AS NOTED IS BASED ON 2-SPAN CONDITIONS, UNO. INSTALLATION SHALL CONFORM TO SDI AND MANUFACTURER'S REQUIREMENTS. ONE SPAN CONDITION ARE NOT PERMITTED WITHOUT EXPRESS WRITTEN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO SHOP DRAWING APPROVAL, UNLESS NOTED SPECIFICALLY ON THE DRAWINGS.
   C. DECK SPANS ARE DESIGNED TO MINIMIZE SHORING REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ACCOMPLISHING ANY SHORING REQUIRED TO RESIST CONSTRUCTION LOADS ON THE STEEL DECK.
   D. USE WELDING WASHERS ON ALL CONNECTIONS OF STEEL DECK WITH METAL THICKNESS LESS THAN 22 GAGE TO STRUCTURAL SUPPORTS.
   E. ROOF AND FLOOR DECKING SHALL BE ATTACHED WITH SELF-TAPPING SCREWS; SCREW SIZE/SPACING SHALL CONFORM TO SDI AND MANUFACTURER'S REQUIREMENTS.
   F. PROVIDE CONTINUOUS CLOSURES AT ALL SLAB EDGES AND CONTINUOUS DECK CLOSURE AT ALL DECK ENDS. MINIMUM CLOSURE THICKNESS TO BE 12 GAGE.
   G. PROVIDE COLUMN CLOSURES, AND ALL SUPPLEMENTAL FRAMING AT OPENINGS, ETC. COORDINATE OPENINGS WITH ALL TRADES.
   H. NO LOADS EXCEEDING 50 POUNDS SHALL BE HUNG FROM ANY METAL DECKING. HANGERS FOR MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC SHALL BE HUNG DIRECTLY FROM STRUCTRUAL STEEL OR SUPPLEMENTARY MEMBERS, OR FROM ANCHORS EMBEDDED IN THE CONCERETE. TOTAL LOAD HUNG FROM STRUCTURAL STEEL AND SLAB SHALL NOT EXCEED 3 PSF. THE HANGING OF ANY LOADS FROM A ROOF DECK IS STRICTLY PROHIBITED.
6. BASE PLATE ANCHOR BOLTS IN NEW CONSTRUCTION SHALL BE
   A. ANCHOR RODS: 3/4" Ø ASTM F1554, GRADE 105, UNO
   B. NUTS: ASTM A563, GRADE A
   C. WASHERS: ASTM F4367

7. INSPECTION REPORTS SHALL BE FURNISHED TO THE OWNER, BUILDNG OFFICIAL, ARCHITECT AND S.E.R. DISCREPENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR AND IF NOT CORRECTED, SHALL BE REPORTED TO THE OWNER, BUILDNG OFFICIAL, ARCHITECT AND S.E.R.

CONNECTIONS:

1. ALL DETAILS ARE CONCEPTUAL ONLY AND DO NOT INDICATE THE REQUIRED NUMBER OF BOLTS OR WELD SIZES, UNLESS SPECIFICALLY NOTED OTHERWISE.
2. FIELD CONNECTIONS SHALL BE FIELD BOLTED WITH A325N HIGH STRENGTH BOLTS (U.N.O.) EXCEPT WHERE SLIP CRITICAL CONNECTIONS ARE REQUIRED AND NOTED BY A325 (SC) ON THE DRAWINGS. WASHERS SHALL CONFORM TO ASTM F436, NUTS SHALL CONFORM TO ASTM A563. PROVIDE SLIP CRITICAL (SC) CONECTIONS AT ALL MOMENT CONNECTIONS, BRACED FRAMES, RELIEVING ANGLES AND WHERE OTHERWISE NOTED.
3. ALL SLIP CRITICAL (S.C.) BOLTED CONNECTIONS SHALL BE CHECKED AND INSPECTED USING ONE OF THE FOLLOWING METHODS:
   A. TURN OF THE NUT
   B. CALIBRATED WRENCH
   C. ALTERNATE DESIGN FASTENER
   D. DIRECT TENSION INDICATOR
   E. ALL OTHER BOLTED CONNECTIONS SHALL BE TIGHTENED TO "SNUG TIGHT" CONDITION UNLESS NOTED OTHERWISE.
4. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE WELDED OR BOLTED WITH ¾" DIAMETER BOLTS (BEARING TYPE, DESIGNATION N, THREADS IN SHEAR PLANE) BEAM TO COLUMN CONNECTIONS SHALL BE FULL DEPTH (BOLT SPACING 3" ON-CENTER).
5. OVERSIZE OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY ENGINEER OF RECORD.
6. MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE 2.
7. ALTERNATE CONNECTIONS WILL BE ACCEPTED ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD, HOWEVER, THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTABILITY. THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THOSE SPECIFIC DETAILS SHOWN ON THE DRAWINGS. IN ANY EVENT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS THEY PROPOSE.
8. ALL WELDS INDICATED SHALL BE THE MINIMUM WELD SIZED SPECIFIED BY THE AISC MANUAL OF STEEL DESIGN (SINGLE PASS AS REQUIRED) ALL BUTT AND FULL PENETRATION WELDS SHALL BE MADE USING RUN OFF TABS THAT SHALL BE REMOVED AND GROUND SMOOTH AFTER WELD IS COMPLETED. ALL WELD BACK UP BARS SHALL BE REMOVED AND GROUND SMOOTH AFTER WELD IS COMPLETED.
9. SHOP CONNECTIONS, UNLESS NOTED OTHERWISE, SHALL BE WELDED. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, BEAM CONNECTION CAPABILITIES SHALL BE CALCULATED IN ACCORDANCE WITH AISC'S "THE STEEL CONSTRUCTION MANUAL", 13TH EDITION. FOR EACH SHEAR CONNECTION, PROVIDE THE GREATER OF THE FOLLOWING SHEAR CAPACITIES:
   A. BEAMS: SUPPORT A REACTION EQUAL TO HALF THE TOTAL UNIFORM LOAD CAPACITY OF BEAM FOR GIVEN SHAPE, SPAN AND STEEL SPECIFICATION (AISC) WITH EFFECT OF CONCENTRATED LOADS ACCOUNTED FOR OR THE (UNFACTORED) REACTIONS SHOWN ON PLAN, WHICHEVER IS GREATER.
10. CONNECTION DESIGN IS THE RESPONSIBILITY OF THE FABRICATOR FOR OTHER THAN THE STANDARD CONNECTIONS NOTED ON S-000. CONNECTIONS CALCULATIONS SHALL BE SIGNED, SEALED BY A PE REGISTERED IN THE PROJECT STATE AND SUBMITTED FOR REVIEW WITH THE SHOP DRAWINGS. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PARTIAL SUBMITTAL PACKAGES WILL BE RETURNED.

FIELD TESTING

1. BOLTED CONNECTIONS: 100% OF COMPONENTS AND FASTENERS IN SLIP CRITICAL CONNECTIONS, AS IDENTIFIED IN THE PROJECT CONTRACT DOCUMENTS SHALL BE VISUALLY INSPECTED AND TESTED FOR TIGHTNESS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS, PARTS 8 AND 9.
2. CHECK BY CALIBRATION TORQUE WRENCH 25% OF BOLTS IN EACH NON-SC SHEAR CONNECTION BUT NOT LESS THAN (2) PER CONNECTION.
3. FIELD WELDED CONNECTIONS: PERFORM TESTING IN ACCORDANCE WITH ANSI/AWS D1.1, CHAPTER 6.
4. CONDUCT TESTING OF 10% OF WELDS ON STRUCTURAL STEEL BY DYE PENETRATION OR MAGNETIC PARTICLE TESTING.
5. CONDUCT TESTING OF 10% OF GROOVE, PLUG, OR SLOT WELDS IN STRUCTURAL STEEL BY ULTRASONIC TESTING OR OTHER NONDESTRUCTIVE TESTING APPROVED BY ENGINEER OF RECORD.
6. RADIOGRAPHICALLY TEST 5% OF ALL FULL PENETRATION WELDS.
7. WELDED SHEAR STUDS: 10% OF STUDS SHALL BE TESTED BY BENDING OR TORQUEING IN ACCORDANCE WITH ANSI/AWS D1.1 SECTION 7.8.
8. THE STRUCTURAL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE ABOVE INSPECTION AND TESTING REQUIREMENTS TO BE COMPLETED.

A6 STRUCTURAL NOTES

ISSUED FOR BID

FEBRUARY 27, 2014

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:
CHIEF ENGINEER:

STATE OF MAINE WILLIAM P. FAUCHER No. 7133 LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	–
PROJECT MANAGER	–
DESIGNER	ALLIED ENG., INC.
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION
STRUCTURAL – NOTES

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SHEET NUMBER
S000

E1 PRECAST NOTES

PRECAST CONCRETE

1. PRECAST WORK SHALL COMPLY WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND PCI DESIGN HANDBOOK. PRECAST MANUFACTURER SHALL BE APPROVED BY THE PRESTRESSED CONCRETE INSTITUTE (PCI) AND SHALL SUBMIT DRAWINGS AND CALCULATIONS SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN PROJECT LOCATED STATE. CALCULATIONS SHALL INCLUDE REQUIRED OPENINGS OR HOLES IN PRECAST MEMBERS FOR OTHER TRADES. PLANKS SHALL BE DESIGNED TO SUSTAIN LOADING DESCRIBED ON THIS SHEET AND APPLICABLE BY GOVERNING CODES.
2. PRECAST/PRESTRESSED CONCRETE WORK SHALL BE ACCORDANCE WITH ACI 318-08 AND PCI MNL-116.
3. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 FOR WELDING TO STEEL STRUCTURES AND AWS D1.4 FOR WELDING REINFORCEMENT.
4. QUALIFICATIONS OF MANUFACTURER: MANUFACTURERS OF PRECAST/PRESTRESSED CONCRETE ELEMENTS TO BE CERTIFIED BY PCI IN ACCORDANCE WITH PCI MNL-116 PRECAST CONCRETE – MATERIALS AND CONSTRUCTION.
5. DESIGN PRECAST/PRESTRESSED CONCRETE UNITS TO ACI 318-08 AND TO CARRY HANDLING STRESSES.
6. DESIGN LOADS IN ACCORDANCE WITH APPLICABLE CODES FOR USE AND OCCUPANCY, WIND, TEMPERATURE AND EARTHQUAKE.
7. CONSIDER VIBRATION CHARACTERISTICS IN ACCORDANCE WITH INTERNATION BUILDING CODE 2009.
8. DESIGN PRESTRESSED UNITS TO MEET ONE (1) OR TWO (2) HOUR FIRE RESISTANCE RATING (PER ARCHITECTURAL REQUIREMENTS, SEE ARCHITECTURAL DRAWINGS.)
9. ALLOWABLE TOLERANCES SHALL CONFORM WITH REQUIREMENTS TO PCI MNL-116 – PCI DESIGN HANDBOOK, LATEST EDITION (SECTION 8-1.)
10. PROVIDE ENGINEER WITH CERTIFIED COPIES OF QUALITY CONTROL TESTS AND INSPECTIONS RELATED TO PROJECT AS SPECIFIED IN PCI MNL-116.
11. INSPECTION OF PRESTRESSED CONCRETE TENDONS IS REQUIRED IN ACCORDANCE WITH ASTM A416.
12. PROVIDE ENGINEER WITH CERTIFIED COPIES OF MILL TEST REPORT OF REINFORCING STEEL SUPPLIED, SHOWING PHYSICAL AND CHEMICAL ANALYSIS.
13. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE GENERAL NOTES SECTION OF THIS SHEET AND INCLUDE THE FOLLOWING ITEMS:
    A. DESIGN CALCULATIONS FOR ITEMS DESIGNED BY MANUFACTURER.
    B. ESTIMATED CAMBER/DEFLECTION.
    C. FINISHING SCHEDULES.
    D. METHODS OF HANDLING AND ERECTION.
    E. OPENINGS, INSERTS AND RELATED REINFORCEMENT.
14. EACH DRAWING SUBMITTED TO BEAR STAMP OF QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF PROJECT CONSTRUCTION.
15. CEMENT, AGGREGATES, WATER, AND ADMIXTURES SHALL CONFORM TO THE FOLLOWING:
    A. PCI MNL-116.
    B. PRESTRESSING STEEL: UNCOATED WIRE STRANDS CONFORMING TO ASTM A416.
    C. REINFORCING STEEL: TO ASTM A615-94.
    D. ANCHORAGES AND COUPLINGS: TO ASTM A615-94.
    E. EMBEDDED STEEL: TO ASTM A615-94.
    F. BEARING PADS: MASONITE SMOOTH OR KOROLATH.
    G. AIR ENTRAINMENT ADMIXTURES: TO ASTM C 260.
    H. CHEMICAL ADMIXTURES: TO ACI 318-08.
    I. CONCRETE MIXES: USE CONCRETE MIX DESIGNED TO PRODUCE 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WITH MAXIMUM WATER/CEMENT RATIO TO PCI MNL-116 & ACI 318-08.
    J. ADMIXTURES: TO ASTMC 494 OR C 1017.
16. DO NOT USE CALCIUM CHLORIDE OR PRODUCTS CONTAINING CALCIUM CHLORIDE.
17. GROUT MIX ONE PART TYPE 10 PORTLAND CEMENT, 2 ½ PARTS SAND, SUFFICIENT WATER FOR PLACEMENT AND HYDRATION. GROUT STRENGTH TO BE 3000 PSI MINIMUM AT 28 DAYS.
18. MANUFACTURE UNITS IN ACCORDANCE WITH PCI MNL-116.
19. MARK EACH PRECAST UNIT TO CORRESPOND TO IDENTIFICATION MARK ON SHOP DRAWINGS OF LOCATION ON PART OF UNIT WHICH WILL NOT BE EXPOSED.
20. PROVIDE HARDWARE SUITABLE FOR HANDLING ELEMENTS.
21. INSTALL MASONITE / KOROLATH BEARING PADS, SMOOTH SIDE UP ON CONCRETE OR MASONRY BEARING SURFACES.
22. SET UNITS IN A TIGHT, LEVEL POSITION ON TRUE LEVEL BEARING SURFACE PROVIDED BY OTHERS. MINIMUM BEARING 3" ON MASONRY AND ON STRUCTURAL STEEL.
23. FASTEN PRECAST/PRESTRESSED UNITS IN PLACE AS INDICATED ON APPROVED SHOP DRAWINGS.
24. LEVEL DIFFERENTIAL ELEVATION OF HORIZONTAL JOINTS WITH GROUT TO SLOPE NOT MORE THAN 1:12.
25. CLEAN FIELD WELDS WITH WIRE BRUSH AND TOUCH UP WITH PRIMER.
26. FIELD CUT HOLES AND OPENINGS UP TO 10" DIAMETER FOR MECHANICAL TRADES.
27. OPENINGS LARGER THAN 10" TO BE LOCATED ON SHOP DRAWINGS AT THE TIME OF APPROVAL AND TO BE EITHER CAST IN THE MANUFACTURING FACILITY OR CUT IN THE FIELD AT THE MANUFACTURER'S SOLE DISCRETION. DO NOT CUT REINFORCING WITHOUT APPROVAL OF PRECAST HOLLOW CORE SLAB MANUFACTURER AND ENGINEER OF RECORD.
28. THE CONTRACTOR SHALL PROVIDE A SUITABLE LIGHT-WEIGHT (LESS THAN 115 PCF) TOP FINISH TO ACCEPT DIRECT APPLICATION OF FINISHING FLOORING PER THE ROOM FINISH SCHEDULE.
29. WHERE CONCRETE TOPPING IS TO BE APPLIED, REFER TO THE APPROPRIATE SPECIFICATIONS. THE TOP SURFACE OF THE PRECAST/PRESTRESSED PLANK IS TO BE RAKED (ROUGHENED) FOR BONDING OF TOPPING.
30. THE UNDERSIDE OF PRECAST SHALL BE FINISHED PER ARCHITECTURAL DRAWINGS/SPECIFICATIONS.
31. DRYPACK GAP BETWEEN PRECAST/PRESTRESSED SLABS AT ALL LOCATIONS WHERE LOAD BEARING WALLS ARE PARALLEL AND/OR PERPENDICULAR TO LENGTH OF SLAB.
32. HOLLOW CORE PLANK MUST BE LIFTED WITH SLING UNLESS NOTED OTHERWISE. DO NOT LIFT PLANKS IN MIDDLE. SEE HOLLOW CORE PLANK HANDLING AND STORAGE DETAILS ON SHOP DRAWINGS.
33. USE BEARING STRIPS UNDER ENDS OF PLANK BEARING ON MASONRY OR CAST IN PLACE CONCRETE.
34. SEALANT BACKER ROD FURNISHED BY PRECASTER AND INSTALLED BY GENERAL CONTRACTOR.
35. LEVEL PLANK BY JACKING THE UNDERSIDE OF THE PLANK AND GROUTING THE JOINTS. REMOVE JACKS THE FOLLOWING DAY.
36. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR:
    A. GROUTING OF LONGITUDINAL PLANK JOINTS.
    B. GROUTING OF PLANK BUTT JOINTS.
    C. GROUTING OF PLANK END CELLS.
    D. CAULKING OF UNDERSIDE JOINTS.
    E. FEATHERING OF TOP SIDE GROUT JOINTS
37. NO WALLS, PIPE, CONDUIT OR OTHER OBJECTS TO EXTEND ABOVE BEARING LEVEL OF PRECAST PLANKS UNTIL PLANKS ARE IN PLACE.
38. ALL TRADES ARE TO REMAIN OFF DECK AREAS UNTIL FIELD CREWS HAVE FINISHED ERECTING, LEVELING, GROUTING AND OTHER FINISHING THAT MAY BE REQUIRED.
39. ALL MASONRY SURFACES FOR PLANK BEARING MUST BE SOLID.

E6 MASONRY NOTES

1. PROVIDE AND INSTALL MASONRY LINTELS FOR MASONRY WALL OPENINGS UNLESS INDICATED OTHERWISE ON DRAWINGS. PROVIDE MASONRY LINTELS OF SIZE AND REINFORCEMENT AS FOLLOWS:
   A - OPENINGS UP TO 3'-11" (UNLESS NOTED OTHERWISE): PROVIDE 8-INCH HIGH C.M.U. LINTEL W/ (2) #4 BARS IN 8-INCH WIDE UNITS (2) #4 BARS IN 8-INCH WIDE UNITS (3) #4 BARS IN 12-INCH WIDE
   B - OPENINGS 4'-0" TO 8'-0" (UNLESS OTHERWISE NOTED): PROVIDE 16-INCH HIGH C.M.U. LINTEL W/ (2) #6 BARS IN 6-INCH WIDE UNITS (2) #6 BARS IN 8-INCH WIDE UNITS (3) #6 BARS IN 12-INCH WIDE UNITS
2. CONCRETE MASONRY LINTELS SHALL HAVE 8-INCH (MIN.) END BEARING UNLESS OTHERWISE NOTED.
3. CONCRETE MASONRY BLOCK WALLS WITH VERTICAL REINFORCING SHALL HAVE CORES FILLED WITH 3000 PSI CONCRETE. INSTALLATION OF REINFORCEMENT SHALL BE CONTINUOUS AND RUN UNOBSTRUCTED BY BAR JOIST SEAT/BEARING PLATE ARRANGEMENTS. HORIZONTAL REINFORCEMENT SHALL BE PROVIDED @ 16-INCHES ON-CENTER VERTICALLY.
4. PROVIDE VERTICAL CONTROL, EXPANSION OR CONTRACTION JOINTS SPACED AT 15'-0" ON-CENTER (MAX.) AND LOCATE JOINTS AT EACH SIDE OF DOOR OPENINGS WHERE POSSIBLE FOR INTERIOR MASONRY WALLS.
5. OMIT REBAR/GROUTING IN MASONRY CELLS WHICH SHALL RECEIVE ROOF DRAIN LEADERS, CONDUITS, ETC. REQUIRED REINFORCEMENT SHALL BE INSTALLED IN THE ADJACENT CELL AND SHALL BE GROUTED SOLID.
6. HOLLOW CONCRETE BLOCK UNITS: GRADE N, 1000 PSI, MINIMUM COMPRESSIVE STRENGTH. WALL DESIGN STRENGTH, F'm = 1500 psi.
7. LAY UNITS IN RUNNING BOND - CORNERS SHALL HAVE A STANDARD BOND BY OVERLAPPING UNITS.
8. MORTAR: TYPE S.
9. GROUT: (3000) PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH. ROD GROUT IMMEDIATELY AFTER POURING AND AGAIN APPROX. 5 MINUTES LATER.
10. MAXIMUM GROUT LIFT WITHOUT CLEANOUTS SHALL NOT EXCEED 4'-0" IN BLOCK WALLS.
11. TIE VERTICAL REINFORCING AT EACH END AND AT 8'-0" MAXIMUM VERTICAL SPACING USING SINGLE WIRE AND LOOP-TYPE TIES AS MANUFACTURED BY A.A. WIRE PRODUCTS COMPANY OR APPROVED EQUAL.
12. IN 8-INCH WALLS, PROVIDE VERTICAL REINFORCING IN CENTER OF GROUT, AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALLS AS FOLLOWS:
    A - (1) #5 VERTICAL AT CORNERS, INTERSECTIONS, WALL ENDS, JAMBS AND EACH SIDE OF EXPANSION OR CONTROL JOINTS.
    B - (1) #5 VERTICAL AT 48-INCHES ON-CENTER TYPICAL. (UNLESS NOTED ON PLAN)
    C - (1) #5 VERTICAL IN EACH CORE WITHIN 12-INCHES OF WALL CORNERS.
13. PLACE BOND BEAM REINFORCING CONTINUOUS THROUGH EXPANSION AND CONTROL JOINTS, WRAPPING BARS WITH 1/8-INCH THICK BOND BREAKING TAPE 24-INCHES BOTH SIDES OF JOINT. DO NOT SPLICE BOND BEAM REINFORCING WITHIN 6'-0" OF AN EXPANSION OR CONTROL JOINT.
14. PROVIDE CONTINUOUS WIRE LATHE GROUT BARRIERS AS REQUIRED UNDER FIRST COURSE OF GROUTED (3000 PSI CONC.) CELLS.
15. PROVIDE LADDER TYPE #9 JOINT REINFORCING AT 16-INCHES VERTICAL SPACING IN WALLS.
16. WET MASONRY WALLS THOROUGHLY FOR (3) CONSECUTIVE DAYS IMMEDIATELY AFTER PLACEMENT IF TEMPERATURES ARE/WILL BE ABOVE 80°F DURING THE DAY.
17. NO EXPANSION BOLTS SHALL BE ALLOWED IN MASONRY WALLS. (CHEMICAL ANCHORS ONLY)
18. MASONRY LAID IN OUTSIDE AIR TEMPERATURES BELOW 40°F SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF THE "IMIAWC RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY".
19. MASONRY BLOCK CORES BELOW FINISH FLOOR SHALL BE FILLED SOLID WITH CONCRETE.

E8 SCHEDULES

COLUMN SCHEDULE

MARK	SIZE
C-1	HSS4X4X3/8
C-2	HSS5X5X5/16
C-3	HSS6X6X5/16
C-4	HSS6X6X1/2
C-5	HSS6X6X5/8
C-6	HSS8X8X1/2
C-7	HSS8X8X5/8
C-8	HSS10X8X3/8
C-10	HSS12X12X5/8
C-11	W12X30
C-12	W12X40
C-13	W12X65

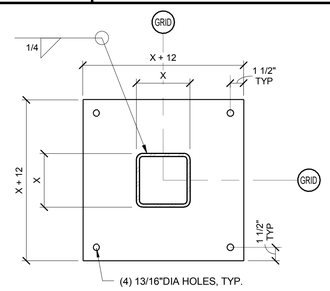
PIER SCHEDULE

MARK	SIZE	REINFORCING
P-1	12 x 18	(6)#5 w/#4 TIES @ 10"O.C.
P-2	12 x 28	(8)#5 w/#4 TIES @ 10"O.C.
P-3	14 x 24	(6)#6 w/#4 TIES @ 12"O.C.
P-4	16 x 16	(4)#6 w/#3 TIES @ 12"O.C.
P-5	18 x 20	(8)#5 w/#4 TIES @ 10"O.C.
P-6	8 x 14	(6)#4 w/#3 TIES @ 10"O.C.
P-7	42 x 42	(8)#7 w/#4 TIES @ 10"O.C.

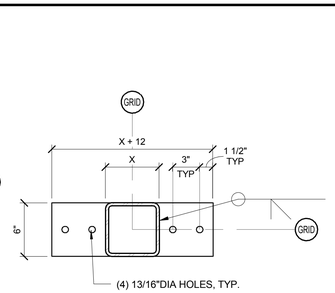
FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F4.0	4'-0" x 4'-0" x 1'-0"	(10)#4 BARS, E.W. - BOTTOM
F4.0A	4'-0" x 4'-0" x 1'-6"	(10)#4 BARS, E.W. - BOTTOM
F5.0	5'-0" x 5'-0" x 1'-6"	(10)#4 BARS, E.W. - BOTTOM
F5.0x28.0	5'-0" x 28'-0" x 1'-6"	(8)#4 LONG BARS - TOP, #7@6"O.C. LONG BARS - BOTTOM, #5 @12"O.C. TRANVERSE BARS - BOTTOM (DOWEL 18" INTO EX. FTG)
F5.5	5'-6" x 5'-6" x 1'-2"	(8)#5 BARS, E.W. - BOTTOM
F6.0	6'-0" x 6'-0" x1'-6"	(8)#5 BARS, E.W. - BOTTOM
F6.0x21.0	6'-0" x 21'-0" x 1'-6"	(5)#4 LONG BARS - TOP, (13)#7 LONG BARS - BOTTOM, #5 @10"O.C. TRANVERSE BARS - BOTTOM
F6.0x29.5	6'-0" x 29'-6" x 1'-6"	(5)#4 LONG BARS - TOP, (13)#7 LONG BARS - BOTTOM, #5 @8"O.C. TRANVERSE BARS - BOTTOM
F7.0	7'-0" x 7'-0" x 1'-6"	(9)#5 BARS, E.W. - BOTTOM
F7.0x23.0	7'-0" x 23'-0" x 1'-6"	(6)#4 LONG BARS - TOP, (14)#7 LONG BARS - BOTTOM, #5 @12"O.C. TRANVERSE BARS - BOTTOM
F7.5	7'-6" x 7'-6" x 1'-7"	(9)#7 BARS, E.W. - BOTTOM
F8.0	8'-0" x 8'-0" x 1'-6"	(6)#7 BARS, E.W. - BOTTOM
F8.0x26.0	8'-0" x 26'-0" x 1'-6"	(7)#4 LONG BARS - TOP, (12)#8 LONG BARS - BOTTOM, #5 @12"O.C. TRANVERSE BARS - BOTTOM
F8.5x10.0	8'-6" x 10'-0" x1'-0"	#6 LONG BARS @ 13"O.C., #6 TRANSVERSE BARS @13"O.C. - BOTTOM
F8.5x12.0	8'-6" x 12'-0" x1'-0"	#6 LONG BARS @ 15"O.C., #6 TRANSVERSE BARS @17"O.C. - BOTTOM
F9.0	9'-0" x 9'-0" x 1'-6"	(8)#6, E.W. - BOTTOM
F10.0	10'-0" x 10'-0" x 1'-6"	(9)#6 BARS, E.W. - BOTTOM
F10.0x12.0	10'-0" x 12'-0" x 1'-0"	#6 BARS @ 13"O.C., E.W. - BOTTOM
F10.0x28.0	10'-0" x 28'-0" x 2'-0"	(9)#4 LONG BARS - TOP, (9)#8 LONG BARS - BOTTOM, #5 @6"O.C. TRANVERSE BARS - BOTTOM
F12.5	12'-6" x 12'-6" x 1'-6"	#6 BARS @ 11"O.C., E.W. - BOTTOM

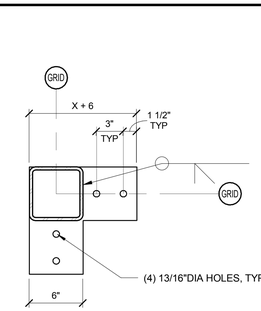
A1 BASE PLATE TYPES



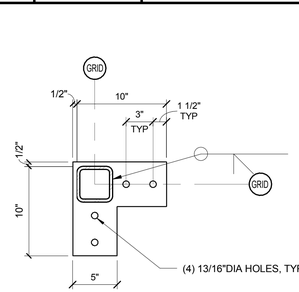
BASE PLATE TYPE "B-1"



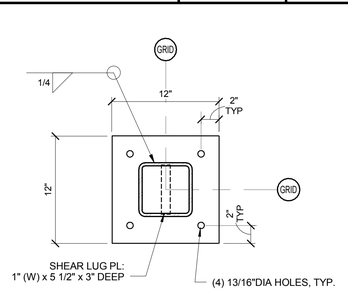
BASE PLATE TYPE "B-2"



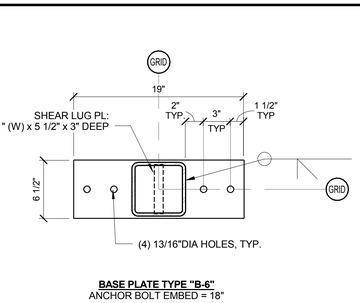
BASE PLATE TYPE "B-3"



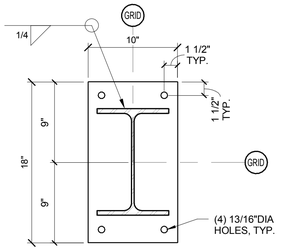
BASE PLATE TYPE "B-4"



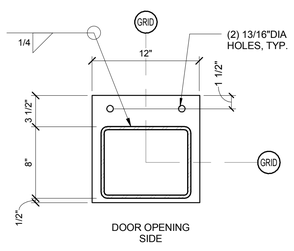
BASE PLATE TYPE "B-5"
ANCHOR BOLT EMBED = 14"



BASE PLATE TYPE "B-6"
ANCHOR BOLT EMBED = 18"

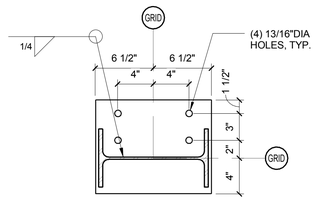


BASE PLATE TYPE "B-7"

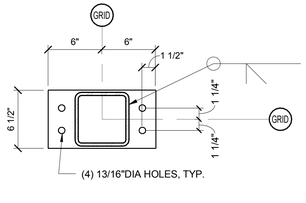


BASE PLATE TYPE "B-8"

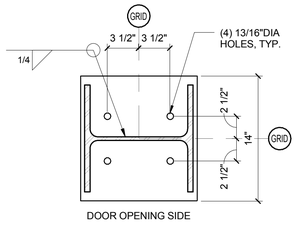
TYPICAL BASE PL @ CHANNEL JAMBS



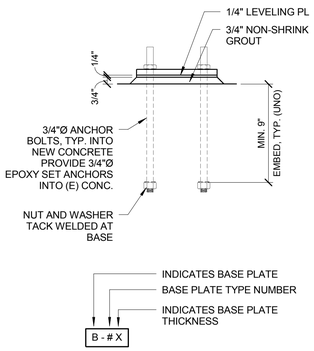
BASE PLATE TYPE "B-9" @ W12x30



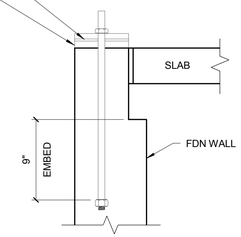
BASE PLATE TYPE "B-10"



BASE PLATE TYPE "B-9" @ W12x65
ANCHOR BOLT EMBED = 14"



BASE PL MARKER LEGEND



AT WALL

BASE PLATE THICKNESS CHART:

A = 1/2"	E = 1 1/2"
B = 3/4"	F = 1 3/4"
C = 1"	G = 2"
D = 1 1/4"	H = 2 1/2"

ISSUED FOR BID
FEBRUARY 27, 2014

Allied Engineering
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T: 207.221.2260
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Web: www.allied-eng.com

Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE — WILLIAM FALCHER — 12155 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION			
PROGRAM	-	-	-
PROJECT MANAGER	-	ALLIED ENG., INC.	-
DESIGNER	-	CONSULTANT	-
PROJECT RESIDENT	-	-	-
CONTRACTOR	-	-	-
PROJECT COMPLETION DATE	-	-	-

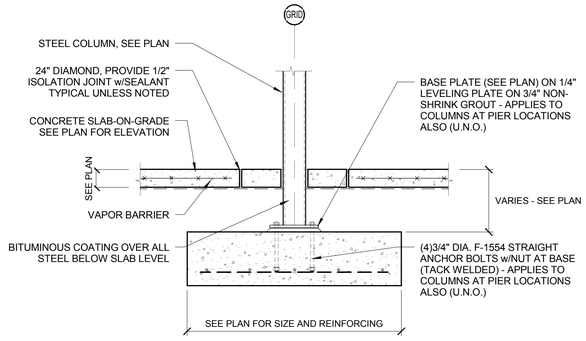
WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

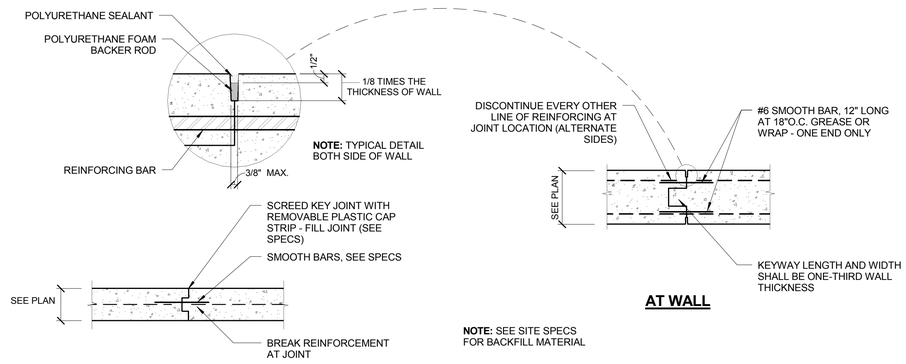
STRUCTURAL – NOTES, SCHEDULES AND TYP. DETAILS

SHEET NUMBER
S001

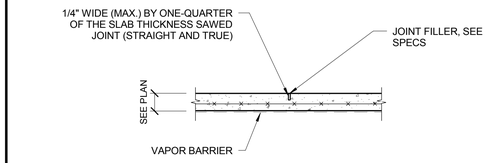
Username: -- Division: -- Date: -- Filename: --



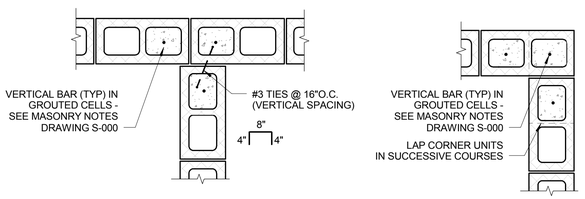
F1 | TYPICAL INTERIOR SPREAD FOOTING DETAIL



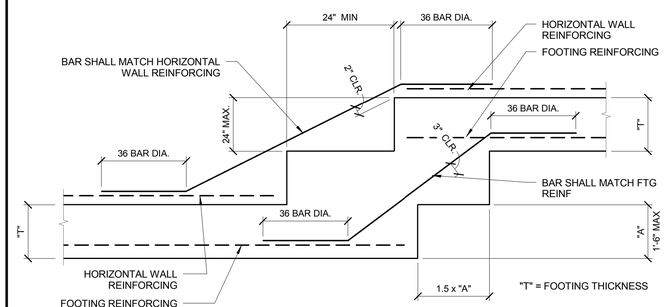
F4 | TYPICAL WALL AND SLAB CONSTRUCTION JOINT DETAIL



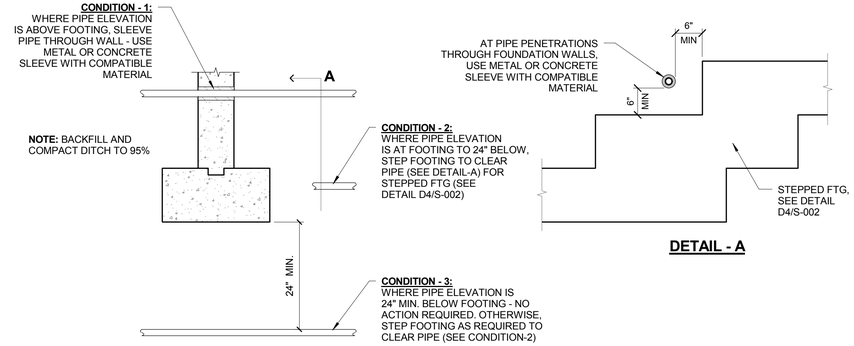
G9 | TYPICAL CONTROL JOINT IN SLAB DETAIL



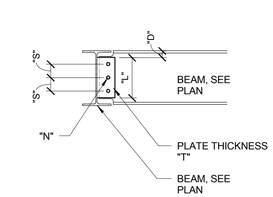
D1 | TYPICAL CMU REINFORCING DETAILS



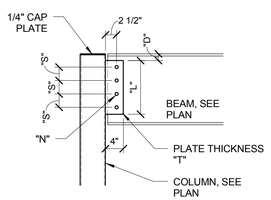
D4 | TYPICAL STEPPED FOOTING DETAIL



D7 | TYPICAL PIPE AT FOOTING DETAIL



BEAM-TO-BEAM DETAIL



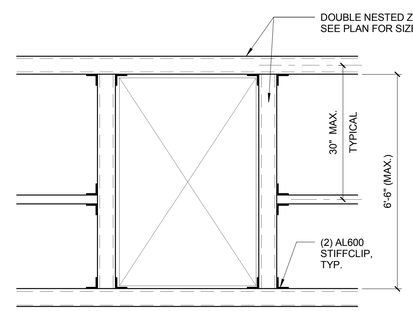
BEAM-TO-COLUMN DETAIL

CONNECTION SCHEDULE

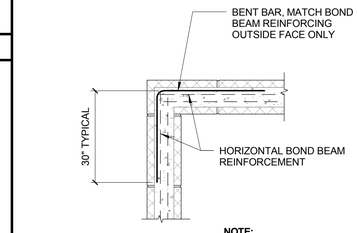
BEAM	N	L	T	D	S	CAPACITY (KIP)
W8	2	6"	1/4"	1"	3"	16.3
W10	2	6"	1/4"	1 1/2"	3"	16.3
W12	3	9"	1/4"	1 1/2"	3"	25.6
W14	4	11 1/2"	3/8"	1 1/2"	3"	42.4
W16	4	12"	3/8"	1 1/2"	3"	42.4
W18	5	15"	3/8"	1 1/2"	3"	53.0
W21	6	18"	3/8"	1 1/2"	3"	63.6
W24	7	20 1/2"	3/8"	1 1/2"	3"	74.2

NOTES:
1. BOLTS SHALL BE 3/4" DIA. A325N (U.N.O.)
2. N = NUMBER OF BOLTS
3. L = LENGTH OF PLATE
4. T = THICKNESS OF PLATE
5. D = DEPTH OF PLATE FROM TOP FLANGE OF BEAM
6. S = BOLT SPACING
7. SIMILAR AT CHANNEL SECTIONS OF SAME DEPTH

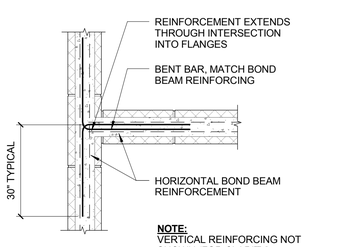
A1 | TYPICAL CONNECTION DETAIL



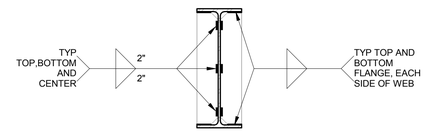
A5 | TYPICAL FRAMED OPENING IN MAIN ROOF



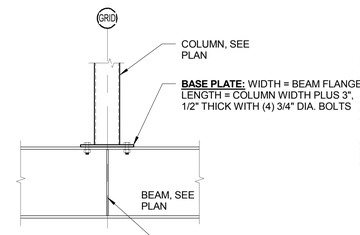
C3 | TYP. BOND BEAM @ CORNER



C5 | TYP. BOND BEAM @ WALL INTERSECTION



C7 | TYPICAL WEB STIFFENER DETAIL



C9 | TYPICAL COLUMN ABOVE DETAIL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

WILLIAM FALCHER 11435 REGISTERED PROFESSIONAL ENGINEER STATE OF MAINE

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

WIN: 020188.20

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

66 INDUSTRIAL DRIVE-PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL - TYPICAL DETAILS

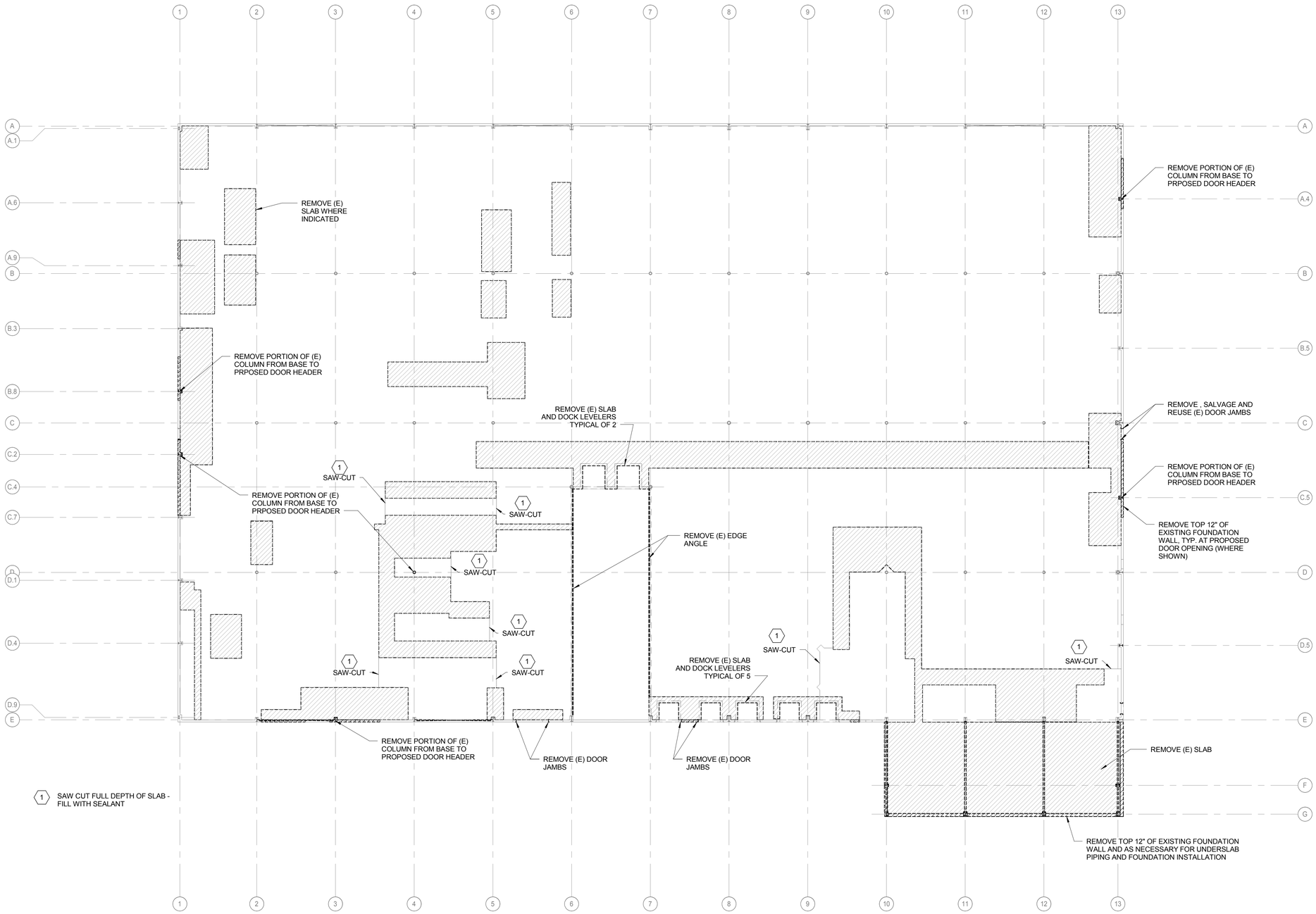
ISSUED FOR BID
FEBRUARY 27, 2014

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

Allied Project No: 13057 | Cad File: 13057Str.rvt

SHEET NUMBER
S002

Username: -
Division: -
Date: -
Filename: -

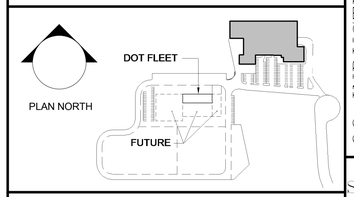


A1	STRUCTURAL ~ FOUNDATION DEMOLITION PLAN
1/16" = 1'-0"	

ISSUED FOR BID

FEBRUARY 27, 2014

PROJECT KEY PLAN



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T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

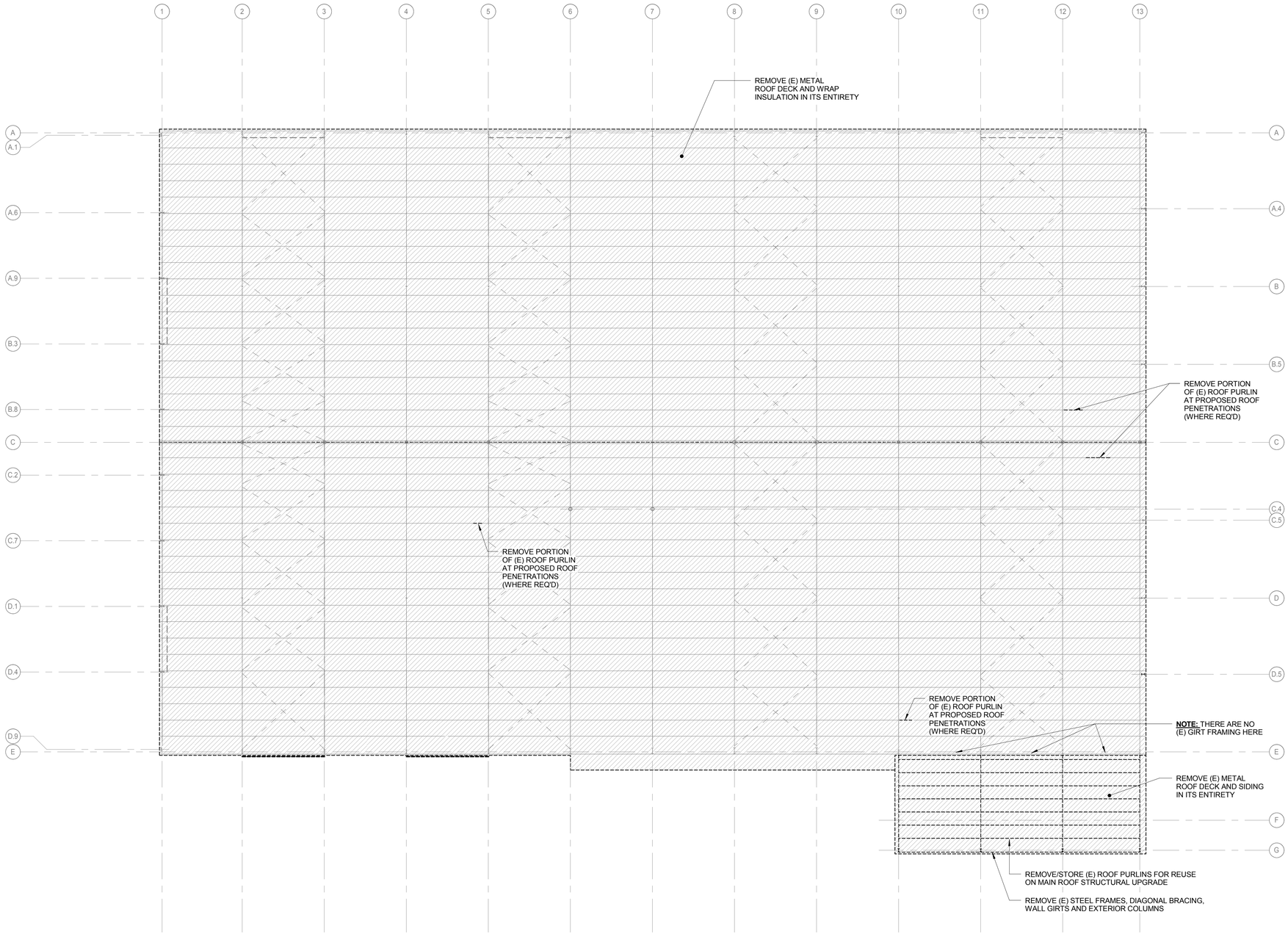
66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – FOUNDATION DEMOLITION PLAN

SHEET NUMBER

SD100

Username: -
Division: -
Date: -
Filename: -

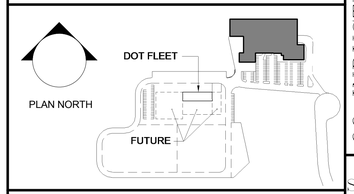


A1	STRUCTURAL ~ ROOF DEMOLITION PLAN
1/16" = 1'-0"	

ISSUED FOR BID

FEBRUARY 27, 2014

PROJECT KEY PLAN



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T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – ROOF DEMOLITION PLAN

SHEET NUMBER

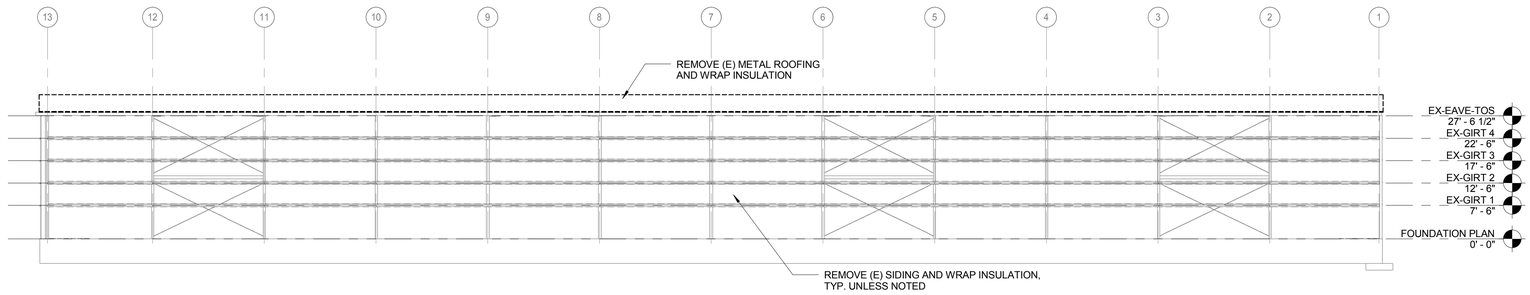
SD101

Username: -

Division: -

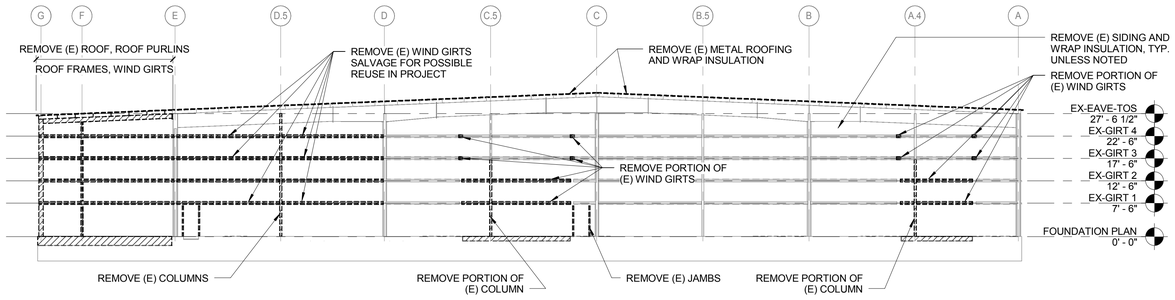
Date: -

Filename: -



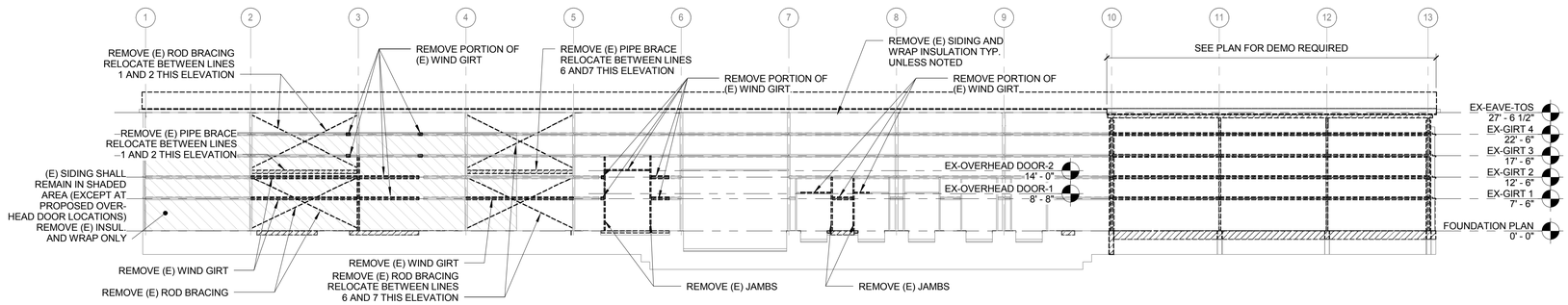
F1 DEMO-North

1/16" = 1'-0"



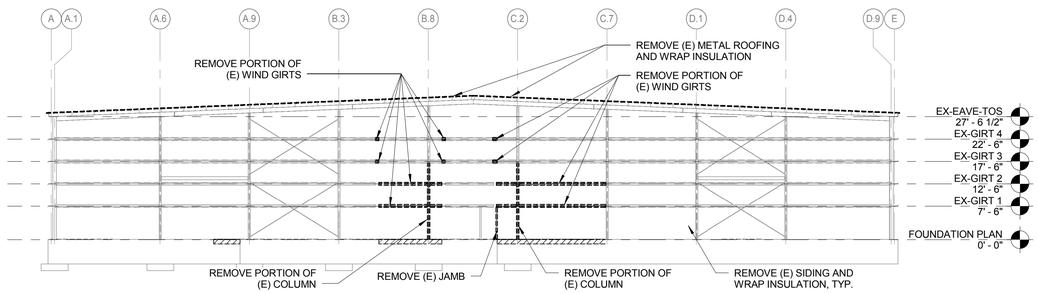
D1 DEMO-East

1/16" = 1'-0"



C1 DEMO-South

1/16" = 1'-0"



A1 DEMO-West

1/16" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM FALCHER
3715
REGISTERED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-		
PROJECT MANAGER	-	ALLIED ENG., INC.	
DESIGNER	-		
CONSULTANT	-		
PROJECT RESIDENT	-		
CONTRACTOR	-		
PROJECT COMPLETION DATE	-		

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2

66 INDUSTRIAL DRIVE, AUGUSTA, MAINE

MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – DEMOLITION ELEVATIONS

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ISSUED FOR BID

FEBRUARY 27, 2014

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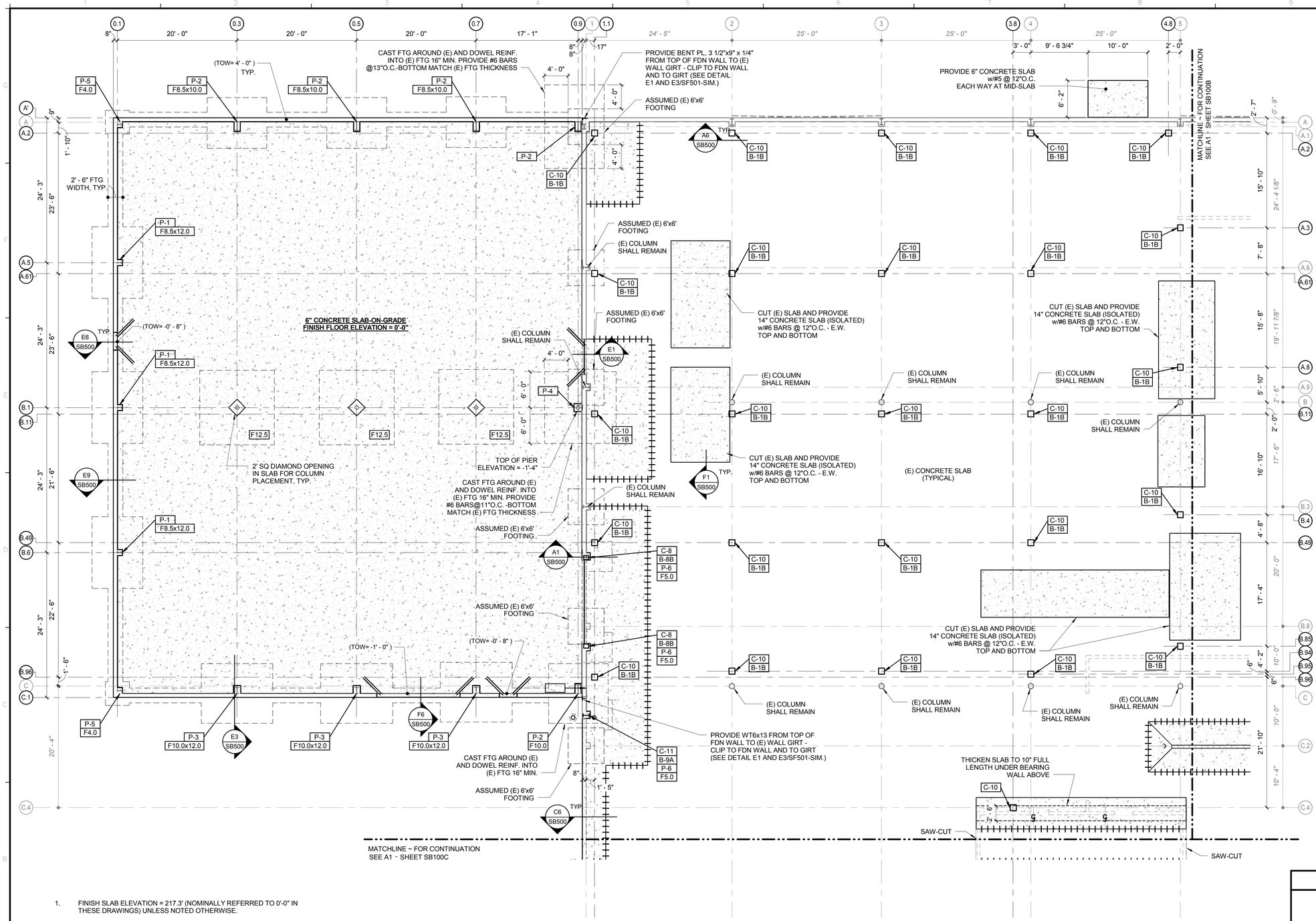
Allied Project No: 13057 | Cad File: 13057S.rvt

SHEET NUMBER

SD200

Username: -
Division: -
Date: -
Filename: -



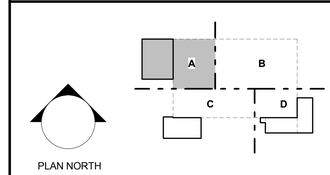
1. FINISH SLAB ELEVATION = 217.3' (NOMINALLY REFERRED TO 0'-0" IN THESE DRAWINGS) UNLESS NOTED OTHERWISE.
2. TOP OF WALL ELEVATION = 0'-0" UNLESS NOTED OTHERWISE
3. BOTTOM OF FOOTING SHALL BE 5'-0" MIN. BELOW FINISHED GRADE

F#	INDICATES FOOTING TYPE - SEE E6/S001 FOR SCHEDULE
P- #	INDICATES CONCRETE PIER - SEE E6/S001 FOR SCHEDULE
B-#X	INDICATES BASE PLATE TYPE - SEE A1/S001 FOR DETAILS
C-#	INDICATES COLUMN TYPE - SEE E6/S001 FOR SCHEDULE
⚡	INDICATES CONTROL JOINT

A1	STRUCTURAL ~ FOUNDATION PART PLAN
1/8" = 1'-0"	

ISSUED FOR BID
FEBRUARY 27, 2014

PROJECT KEY PLAN



Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

COMMISSIONER:
CHIEF ENGINEER:
DATE

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

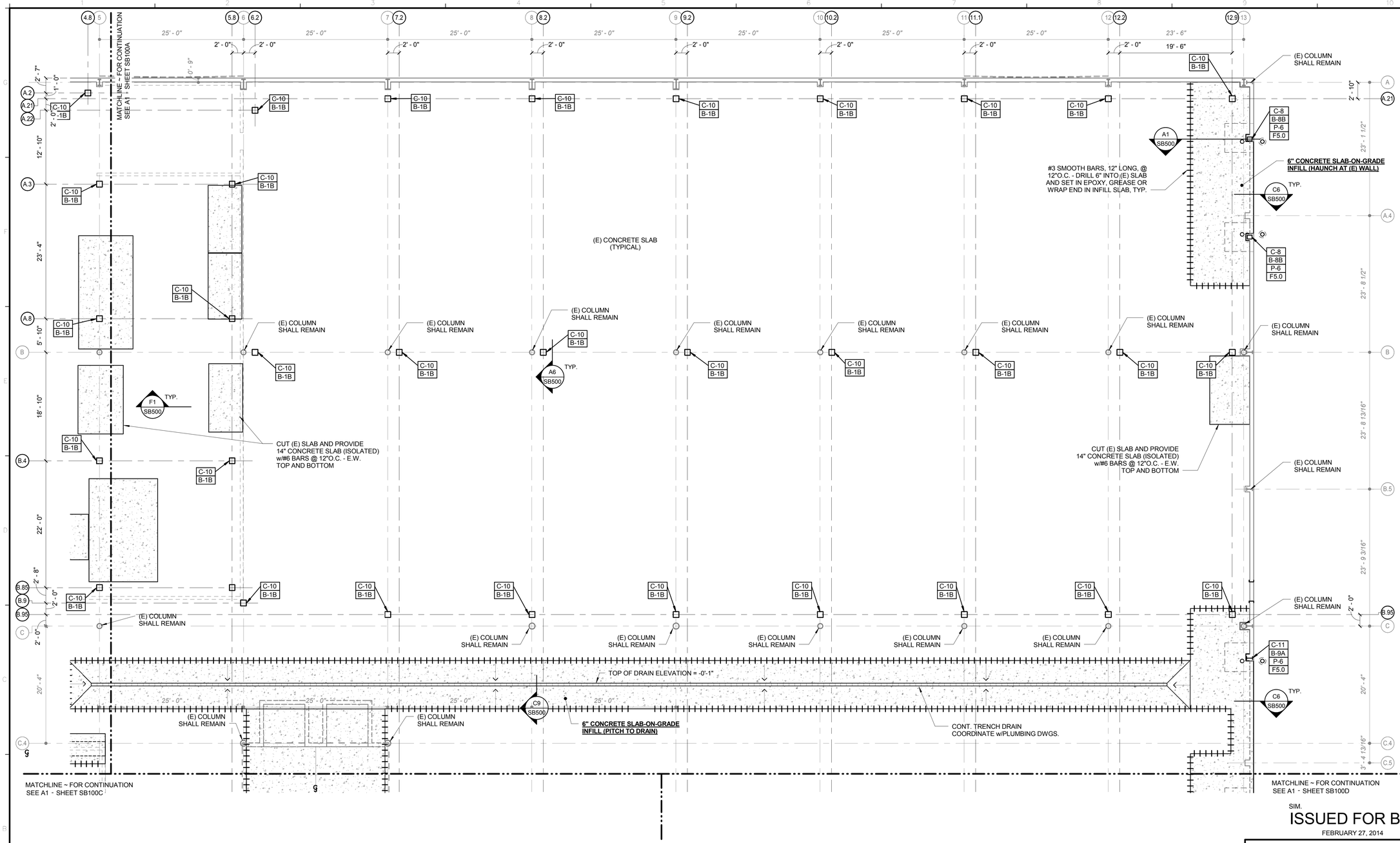
WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – FOUNDATION
PLAN – AREA–A

SHEET NUMBER
SB100A

Username:
Division:
Date:
Filename:



1. FINISH SLAB ELEVATION = 217.3' (NOMINALLY REFERRED TO 0'-0" IN THESE DRAWINGS) UNLESS NOTED OTHERWISE.
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C-#	INDICATES COLUMN TYPE - SEE E6/S001 FOR SCHEDULE
⚲	INDICATES CONTROL JOINT

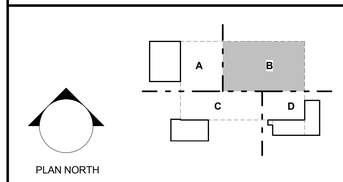
A1	STRUCTURAL ~ FOUNDATION PART PLAN
1/8" = 1'-0"	

SIM.

ISSUED FOR BID

FEBRUARY 27, 2014

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

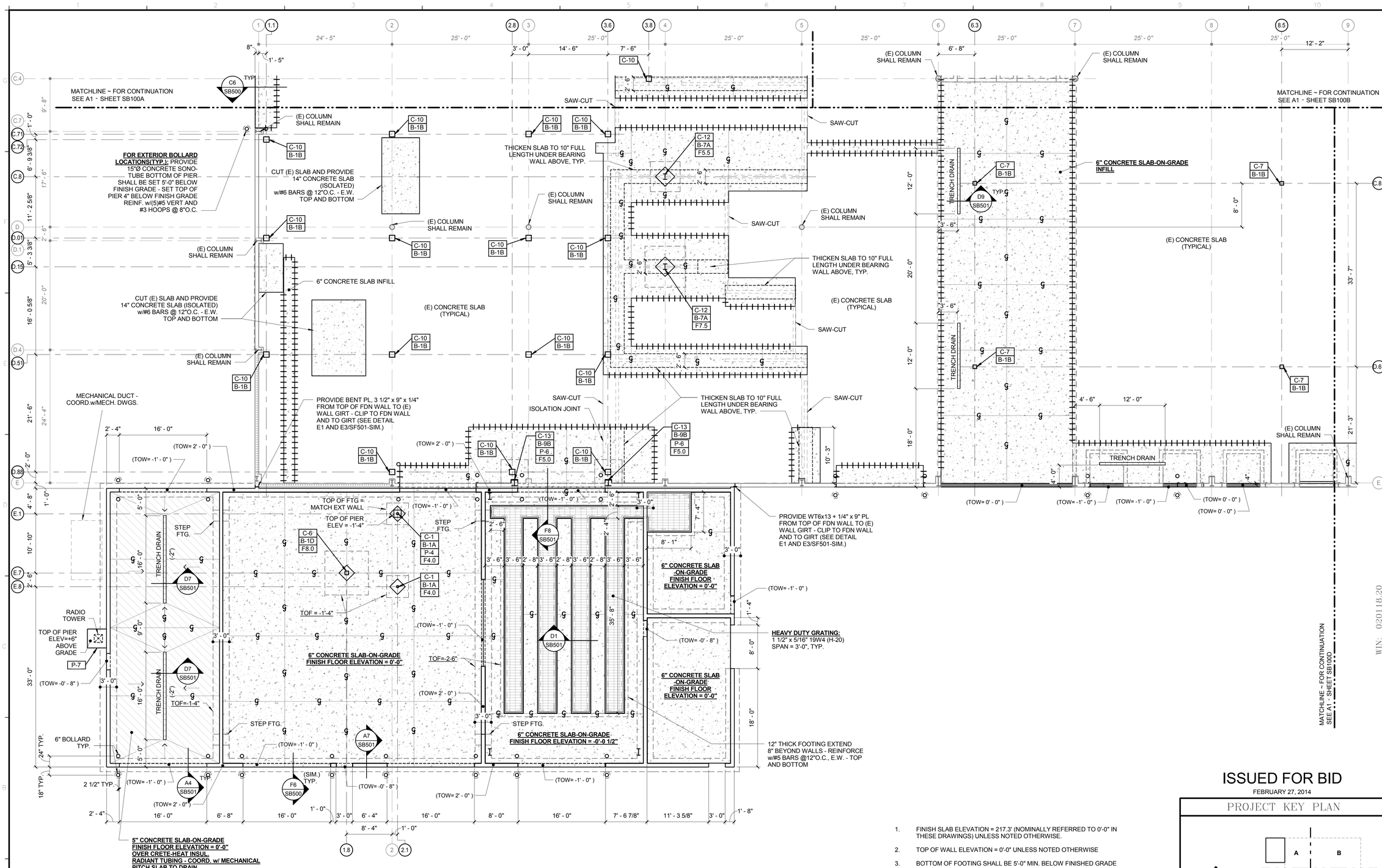
WIN: 020118.20

66 INDUSTRIAL DRIVE-PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL - FOUNDATION
PLAN - AREA-B

SHEET NUMBER
SB100B

Username:
Division:
Date:
Filename:



1. FINISH SLAB ELEVATION = 217.3' (NOMINALLY REFERRED TO 0'-0" IN THESE DRAWINGS) UNLESS NOTED OTHERWISE.
2. TOP OF WALL ELEVATION = 0'-0" UNLESS NOTED OTHERWISE
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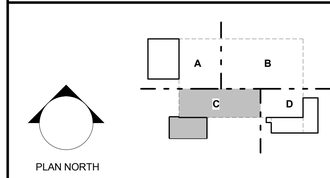
F#	INDICATES FOOTING TYPE - SEE E6/S001 FOR SCHEDULE
P- #	INDICATES CONCRETE PIER - SEE E6/S001 FOR SCHEDULE
B-#X	INDICATES BASE PLATE TYPE - SEE A1/S001 FOR DETAILS
C-#	INDICATES COLUMN TYPE - SEE E6/S001 FOR SCHEDULE
⚡	INDICATES CONTROL JOINT

ISSUED FOR BID
FEBRUARY 27, 2014

PROJECT KEY PLAN



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Allied Project No: 13057 | Cad File: 13057S.rvt

A1 | STRUCTURAL ~ FOUNDATION PART PLAN
1/8" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE
COMMISSIONER:
CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION
PROGRAM
PROJECT MANAGER
DESIGNER
CONSULTANT
PROJECT RESIDENT
CONTRACTOR
PROJECT COMPLETION DATE

ALLIED ENG., INC.

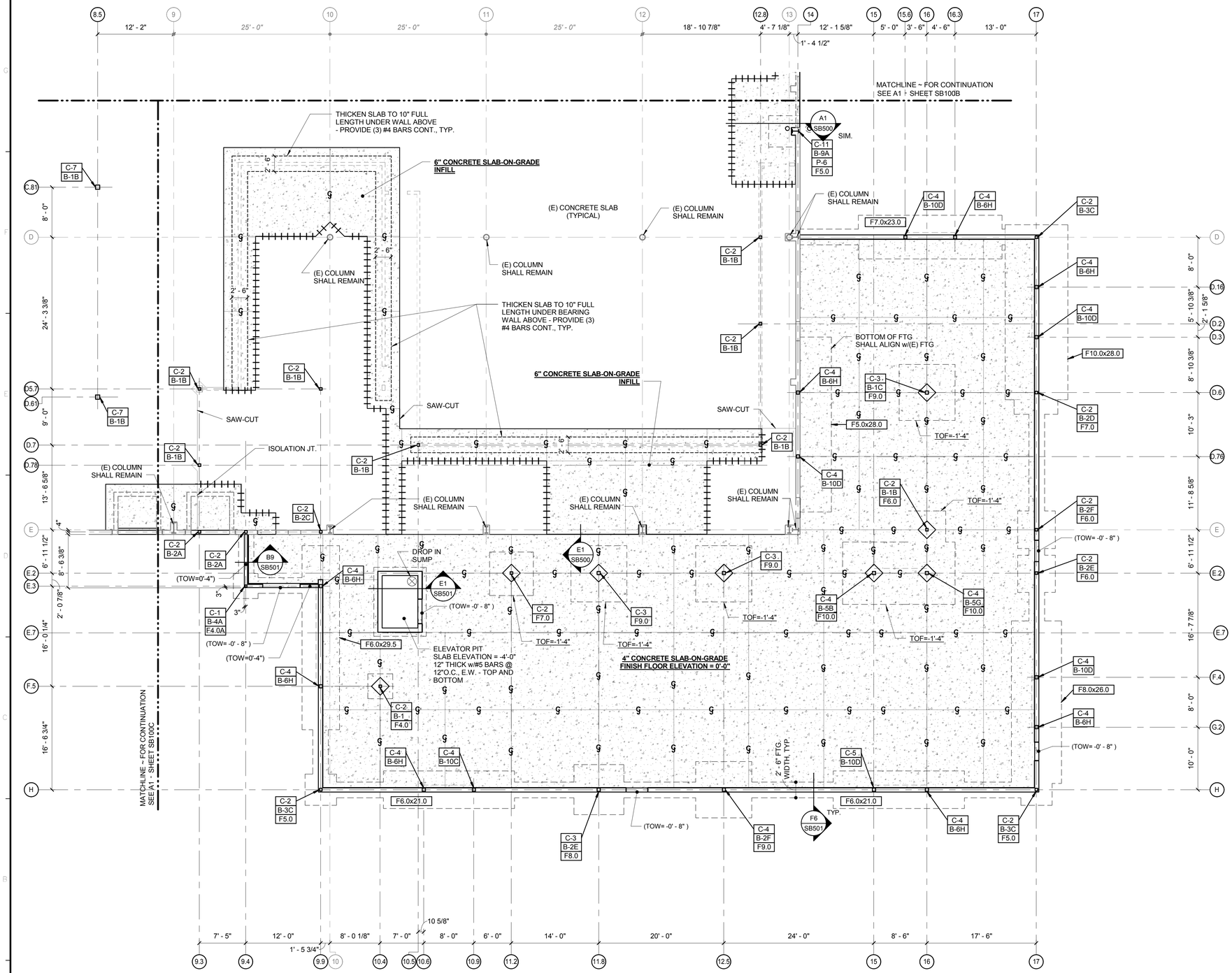
WIN: 020118.20

66 INDUSTRIAL DRIVE-PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL - FOUNDATION PLAN - AREA-C

SHEET NUMBER
SB100C

Username:
Division:
Date:
Filename:



1. FINISH SLAB ELEVATION = 217.3' (NOMINALLY REFERRED TO 0'-0" IN THESE DRAWINGS) UNLESS NOTED OTHERWISE.
2. TOP OF WALL ELEVATION = 0'-0" UNLESS NOTED OTHERWISE
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F# INDICATES FOOTING TYPE - SEE E6/S001 FOR SCHEDULE

P-# INDICATES CONCRETE PIER - SEE E6/S001 FOR SCHEDULE

B-#X INDICATES BASE PLATE TYPE - SEE A1/S001 FOR DETAILS

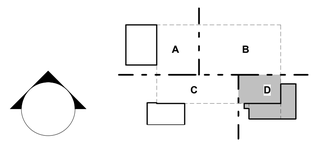
C-# INDICATES COLUMN TYPE - SEE E6/S001 FOR SCHEDULE

INDICATES CONTROL JOINT

NOTE: REFER TO ELECTRICAL DRAWINGS FOR OPENINGS THRU SLAB FOR FLUSH FLOOR BOXES

ISSUED FOR BID
FEBRUARY 27, 2014

PROJECT KEY PLAN



A1	STRUCTURAL ~ FOUNDATION PART PLAN
1/8" = 1'-0"	

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Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	COMMISSIONER:	CHIEF ENGINEER:

WILLIAM FALCHER 11435 REGISTERED PROFESSIONAL ENGINEER STATE OF MAINE

SIGNATURE
P.E. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

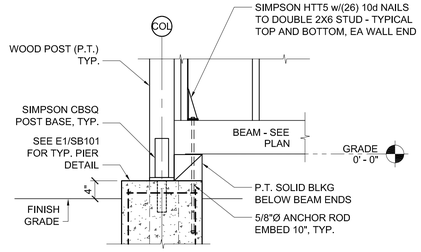
WIN- 020118.20

66 INDUSTRIAL DRIVE-PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

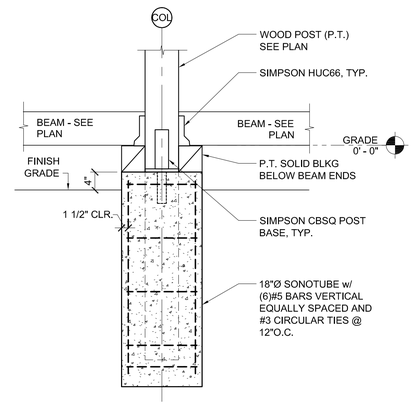
STRUCTURAL - FOUNDATION PLAN - AREA-D

SHEET NUMBER
SB100D

Username: Division: Date: Filename:



G1	TYPICAL HOLDDOWN DETAIL
3/4" = 1'-0"	



E1	TYPICAL PIER DETAIL
3/4" = 1'-0"	

1. GENERAL:

A. TIMBER FRAMING SHALL BE IN ACCORDANCE WITH THE AITC TIMBER CONSTRUCTION MANUAL - LATEST EDITION, AND THE AF & PA NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) LATEST EDITION.

B. EACH PIECE OF LUMBER SHALL BE "S-DRY" AND BEAR THE GRADE STAMP OF A GRADING RULES AGENCY APPROVED BY THE AMERICAN LUMBER STANDARDS COMMITTEE.

C. COMPOSITE LUMBER BEAMS SHALL BE TRUS JOIST PARALLAM PSL WITH WOLMANIZED PRESERVATIVE PROTECTION, OR APPROVED EQUAL.

D. CONVENTIONAL FRAMING LUMBER EXPOSED TO THE WEATHER SHALL HAVE WOLMANIZED PRESERVATIVE PROTECTION, OR APPROVED EQUAL.

2. CONNECTIONS:

A. FOLLOW TABLE 2304.9.1 OF THE 2009 INTERNATIONAL BUILDING CODE FOR NAILING REQUIREMENTS NOT INDICATED ON THESE DRAWINGS.

B. NAIL SHEAR WALL PLYWOOD WITH 10D COMMON NAILS AT 6" O.C. AT ALL EDGES AND BOUNDARY MEMBERS AND 12" O.C. AT INTERMEDIATE SUPPORTS. PROVIDE NAILING FOR SHEAR WALL AS INDICATED ON DRAWINGS.

C. PROVIDE METAL POST CAPS BY SIMPSON STRONGTIE AT ALL BEAM TO POST CONNECTIONS.

3. STRUCTURAL SAWN LUMBER:

A. STUDS: SPRUCE PINE FIR NO. 1 GRADE, Fb (repetitive) = 1,200 PSI, Fc = 1,100 PSI

4. PLYWOOD:

A. ROOF SHEATHING: C-D INT-APA (PS 1-95) WITH EXTERIOR GLUE; 5/8" WITH IDENTIFICATION INDEX 24/0. LAY UP WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER JOINTS.

B. EACH PLYWOOD PIECE TO BE CONTINUOUS OVER A MINIMUM OF TWO SPANS WITH A MINIMUM WIDTH OF 1'-0" UNLESS BLOCKING IS PROVIDED AT JOINTS.

C. WALL SHEATHING: C-D INT-APA (PS 1-95) WITH EXTERIOR GLUE, 1/2" CDX WITH IDENTIFICATION INDEX 24/0. PANEL EDGES BACKED WITH 2" NOMINAL OR WIDER FRAMING.

E3	WOOD NOTES
-	

ROOF TRUSSES:

1. A SHOP DRAWING PACKAGE SHALL INDICATE PLAN VIEW OF TRUSS LOCATIONS, REQUIRED PERMANENT AND TEMPORARY BRIDGING AND BRACING, MEMBER SIZES AND MATERIAL SPECIFICATIONS. PERMANENT BRACING DESIGN IS TO BE PROVIDED BY A LICENSED ENGINEER REGISTERED IN THE PROJECT STATE, AND SHALL BE INCLUDED WITH THE SHOP SUBMITTAL FOR REVIEW BY THE ENGINEER OF RECORD. CONTRACTOR SHALL INCLUDE ANY COSTS ASSOCIATED WITH THIS PERMANENT BRACING DESIGN IN HIS PROJECT COST. INCOMPLETE PACKAGES WILL BE RETURNED TO THE CONTRACTOR.

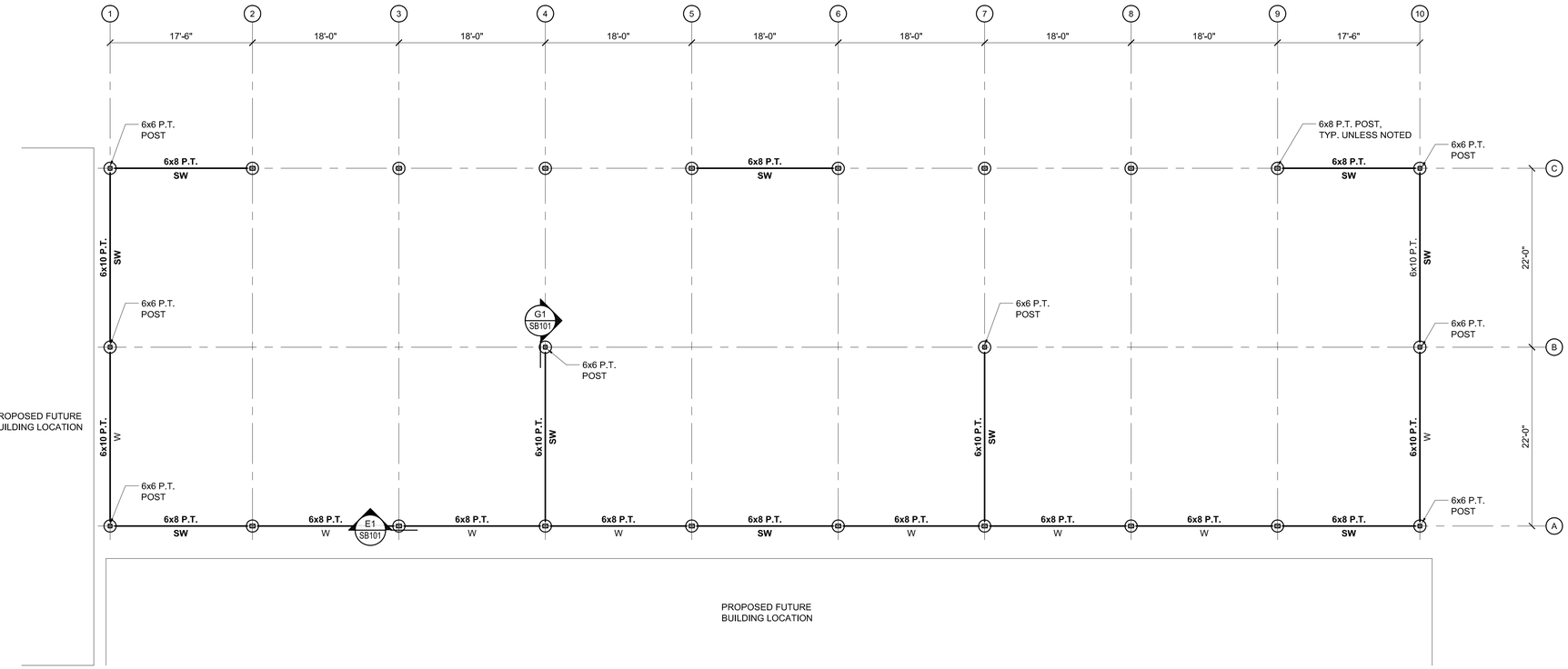
2. WOOD TRUSS MANUFACTURER SHALL PROVIDE SHOP DRAWINGS AND STRUCTURAL DESIGN CALCULATIONS OF ALL TRUSSES SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE. SUBMISSION WILL INCLUDE CALCULATIONS FOR EACH LOADING COMBINATION AND FOR UNBALANCED SNOW LOADING (INCLUDING WIND LOADS FROM ALL DIRECTIONS) PER 2009 IBC BUILDING CODE AND AS INDICATED IN THE STRUCTURAL NOTES.

3. THE BEARING HEIGHTS, CHORD SIZES, WEB SIZES AND MATERIAL SELECTION SHALL BE AT THE TRUSS MANUFACTURES OPTION AS REQUIRED BY DESIGN CALCULATIONS.

4. CONNECTIONS SHALL BE DETAILED ON SUPPLIERS SHOP DRAWINGS.

5. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY AND PERMANENT TRUSS BRACING TO WEB AND CHORD MEMBERS AND AS REQUIRED TO MEET APPROVED SHOP SUBMITTALS.

E6	WOOD TRUSS NOTES
-	



A1	STRUCTURAL ~ FOUNDATION PLAN
1/8" = 1'-0"	

WALL SCHEDULE:

W = TYPICAL WALL; 2x6 STUDS @16"O.C. w/1/2" CDX, EXP. 1 PLYWOOD APPLIED TO BOTH FACES. FASTEN USING 10d NAILS ON A 12/6 PATTERN. NO BLOCKING REQUIRED AT PANEL JOINTS.

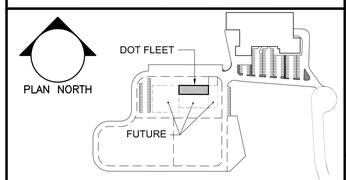
SW = SHEAR WALL; 2x6 STUDS @16"O.C. w/1/2" CDX, EXP. 1 PLYWOOD APPLIED TO BOTH FACES. FASTEN USING 10d NAILS ON A 12/4 PATTERN. 2x6 BLOCKING REQUIRED AT PANEL JOINTS. SIMPSON HOLD-DOWN REQUIRED AT EACH END OF WALL.

C9	WALL SCHEDULE
NTS	

ISSUED FOR BID

FEBRUARY 27, 2014

PROJECT KEY PLAN



Allied Engineering
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207.221.2260
207.221.2266
www.allied-eng.com

Allied Project No: 13057 Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE		
COMMISSIONER:		
CHIEF ENGINEER:		

STATE OF MAINE — WILLIAM F. FALCONER — 13057 — REGISTERED PROFESSIONAL ENGINEER

PROJECT INFORMATION		
PROGRAM		
PROJECT MANAGER	SIGNATURE	–
DESIGNER	ALLIED ENG., INC.	–
CONSULTANT		
PROJECT RESIDENT	ARCH. LIN. NUMBER	
CONTRACTOR		
PROJECT COMPLETION DATE	DATE FEBRUARY 27, 2014	–

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – DOT FLEET FOUNDATION PLAN

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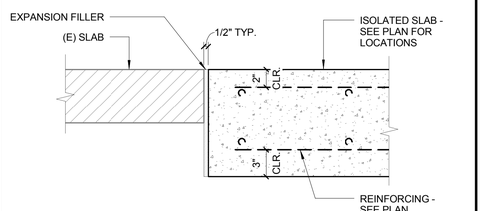
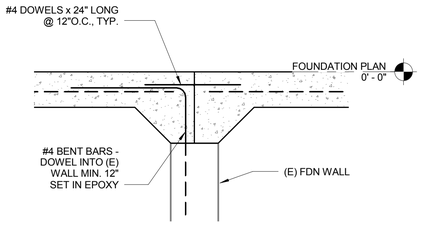
SHEET NUMBER

SB101

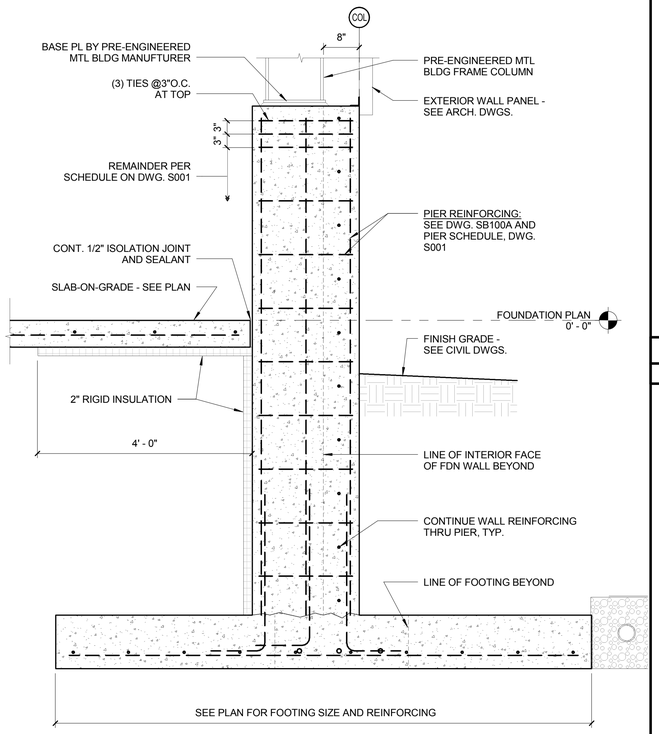
N:\Projects\2013\13057 ~ BGS_MDOT Fleet Services Building\00 Drawing Files\13057S_DOTFLEET.dwg Feb 27, 2014 – 10:06am



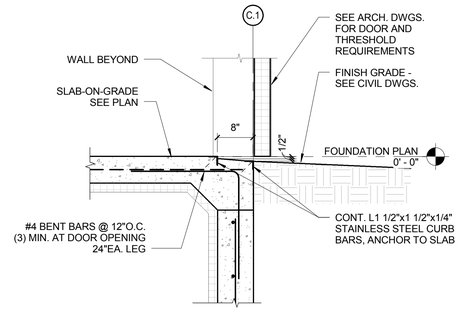
F1	TYPICAL ISOLATION JOINT
1 1/2" = 1'-0"	



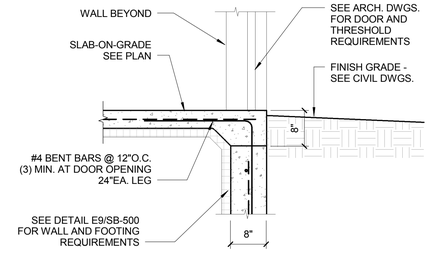
E1	DETAIL
1" = 1'-0"	



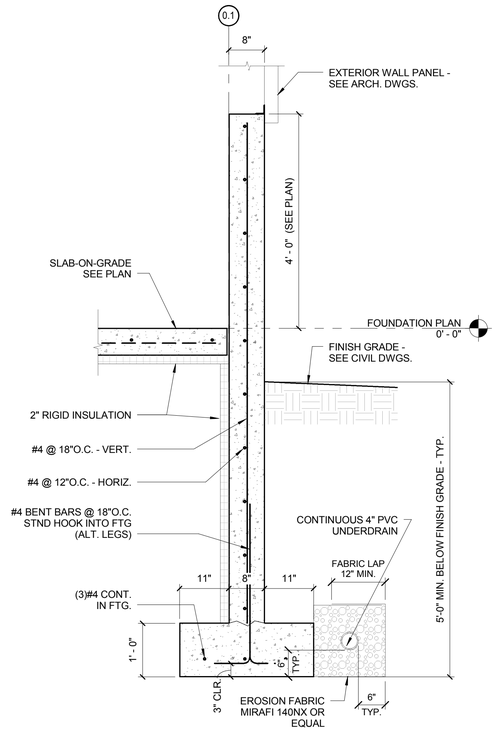
E3	DETAIL AT PIER
3/4" = 1'-0"	



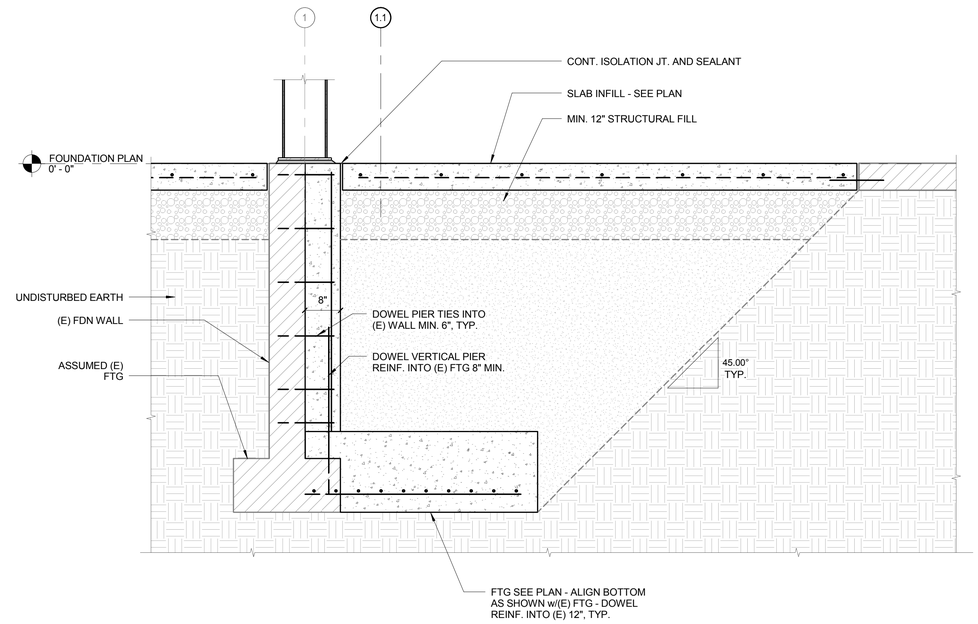
F6	DETAIL
3/4" = 1'-0"	



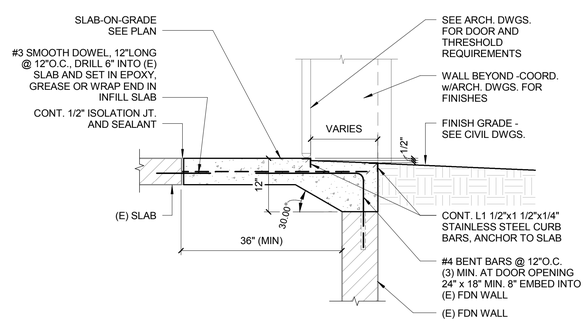
E6	TYPICAL EXT. FND WALL AT DOOR
3/4" = 1'-0"	



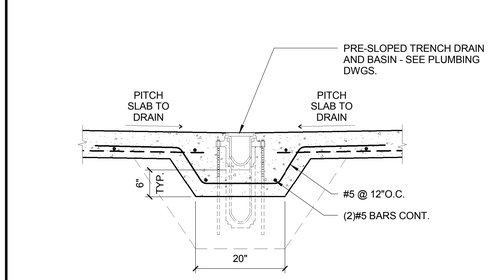
E9	DETAIL
3/4" = 1'-0"	



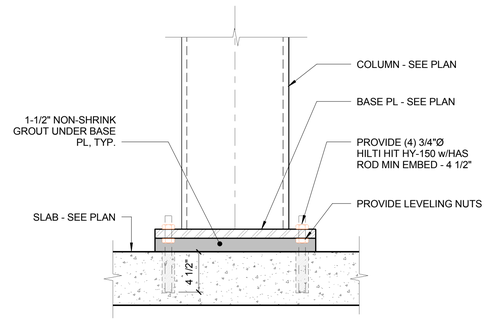
A1	DETAIL AT PIER/FTG CAST AT (E) FDN WALL
3/4" = 1'-0"	



C6	TYPICAL EXT. FND WALL AT OHD DOOR
3/4" = 1'-0"	



C9	TRENCH DRAIN DETAIL AT FAST LANE
3/4" = 1'-0"	



A6	INTERIOR COLUMN BASE SET ON SLAB DETAIL
1 1/2" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE — WILLIAM FAICHER — 12705 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – FOUNDATION DETAILS

ISSUED FOR BID
FEBRUARY 27, 2014

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
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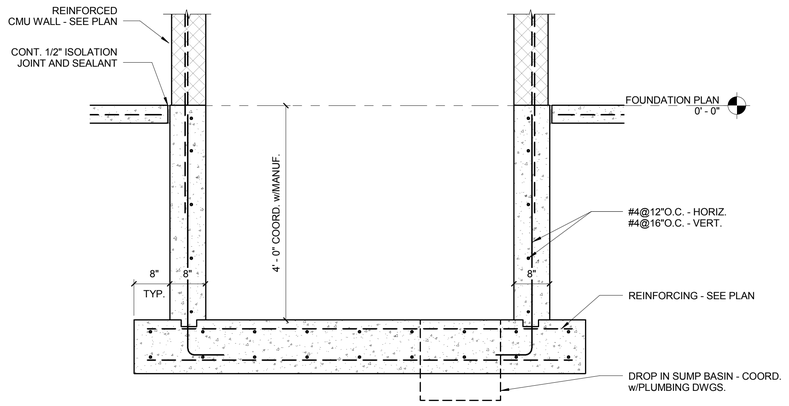
Web: www.allied-eng.com

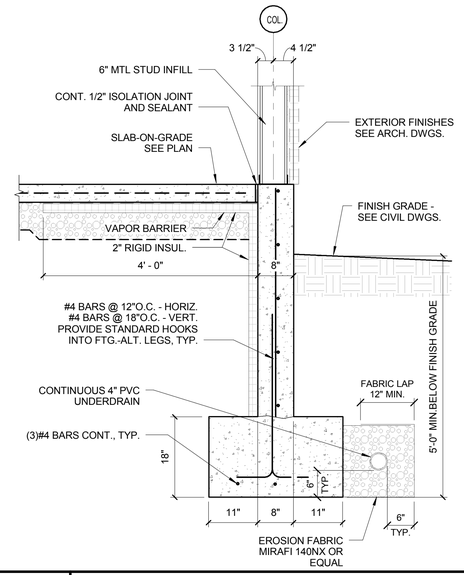
Allied Project No: 13057 | Cad File: 13057S.rvt

SHEET NUMBER
SB500

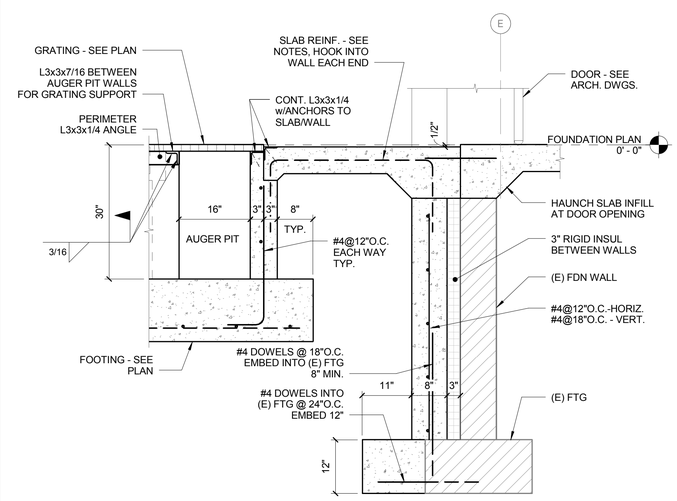
Username: -
Division: -
Date: -
Filename: -



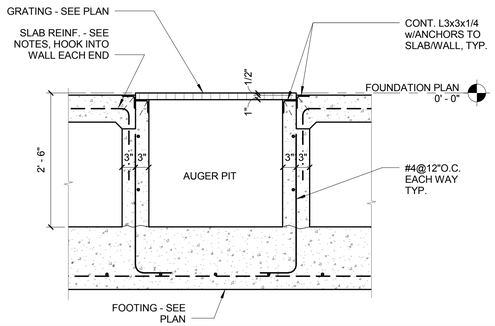
E1	DETAIL THRU ELEVATOR
3/4" = 1'-0"	



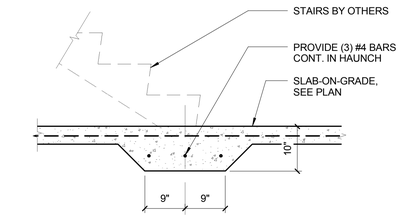
F6	EXTERIOR FOUNDATION WALL -AREA-D
3/4" = 1'-0"	



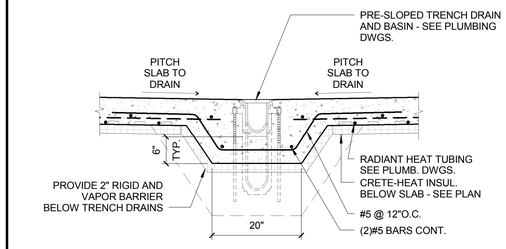
F8	FDN DETAIL AT AUGER PIT
3/4" = 1'-0"	



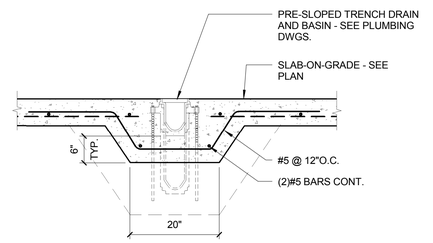
D1	DETAIL AT AUGER PIT
3/4" = 1'-0"	



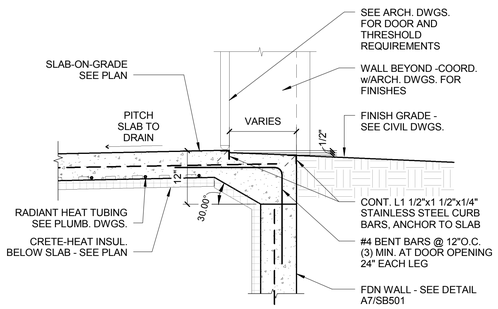
D4	THICKENED SLAB DTL @ STAIR BASE
3/4" = 1'-0"	



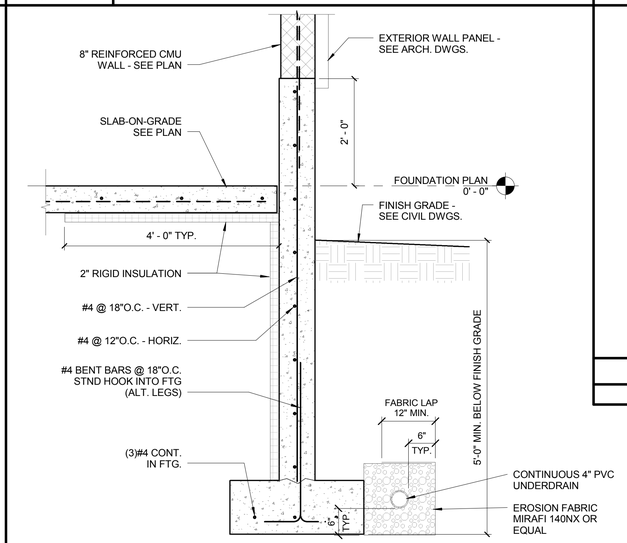
D7	TRENCH DRAIN DETAIL AT WASH BAY
3/4" = 1'-0"	



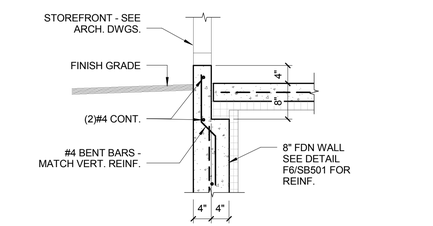
D9	TYPICAL TRENCH DRAIN DETAIL
3/4" = 1'-0"	



A4	TYPICAL EXT. FND WALL AT OHD DOOR - WASH BAY
3/4" = 1'-0"	



A7	EXTERIOR FOUNDATION WALL - AREA-C
3/4" = 1'-0"	



B9	FDN WALL @ STOREFRONT - AREA-D
3/4" = 1'-0"	

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Web: www.allied-eng.com

Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE WILLIAM FALCHER 12705 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	ALLIED ENG., INC.
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

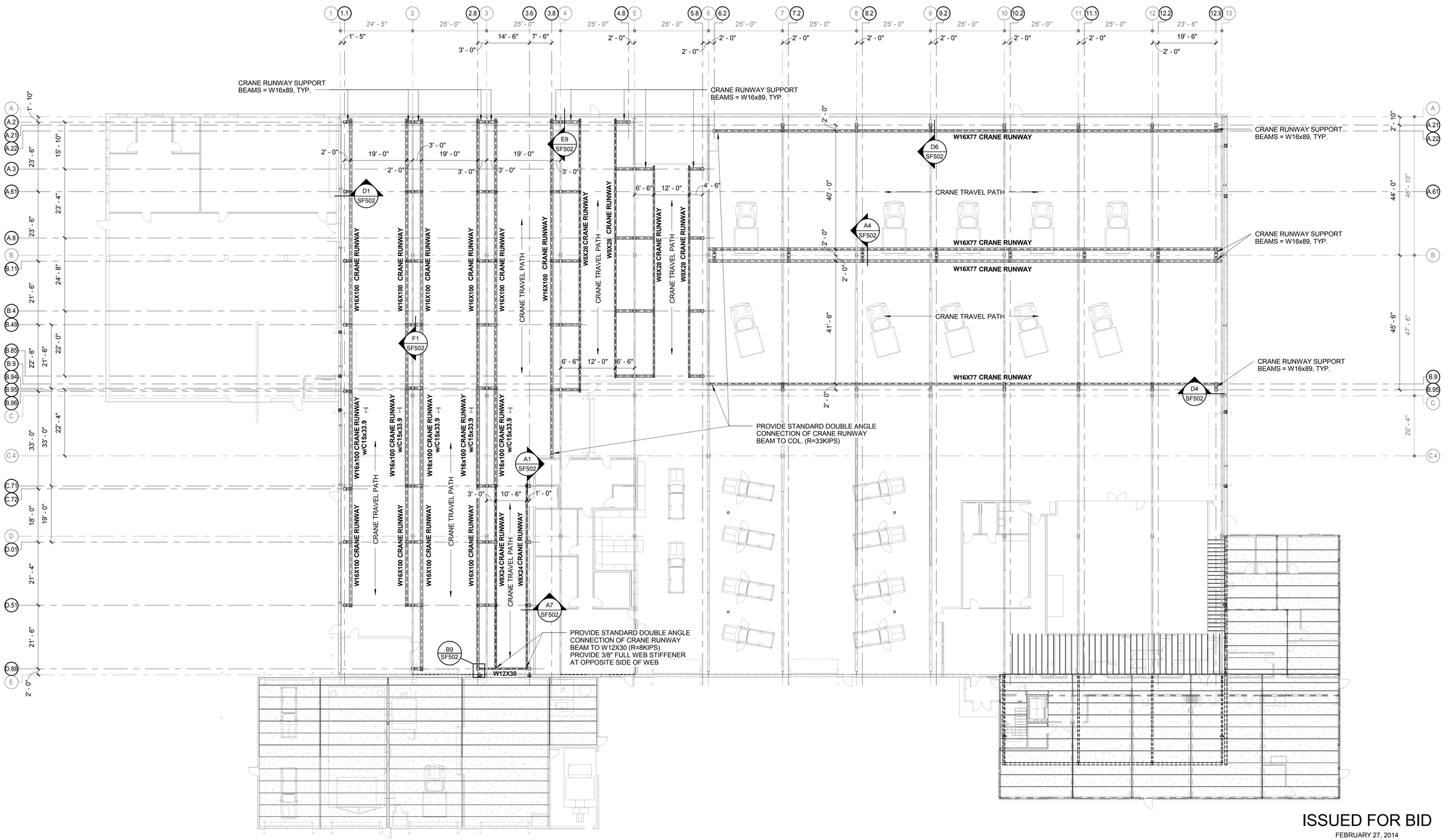
WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – FOUNDATION DETAILS

SHEET NUMBER
SB501

Username: –
Division: –
Date: –
Filename: –



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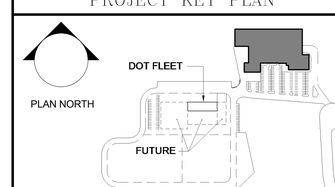
FEBRUARY 27, 2014

PROJECT KEY PLAN



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A1	STRUCTURAL ~ CRANE SUPPORT FRMAING LAYOUT PLAN
1/16" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – CRANE FRAMING PLAN

SHEET NUMBER

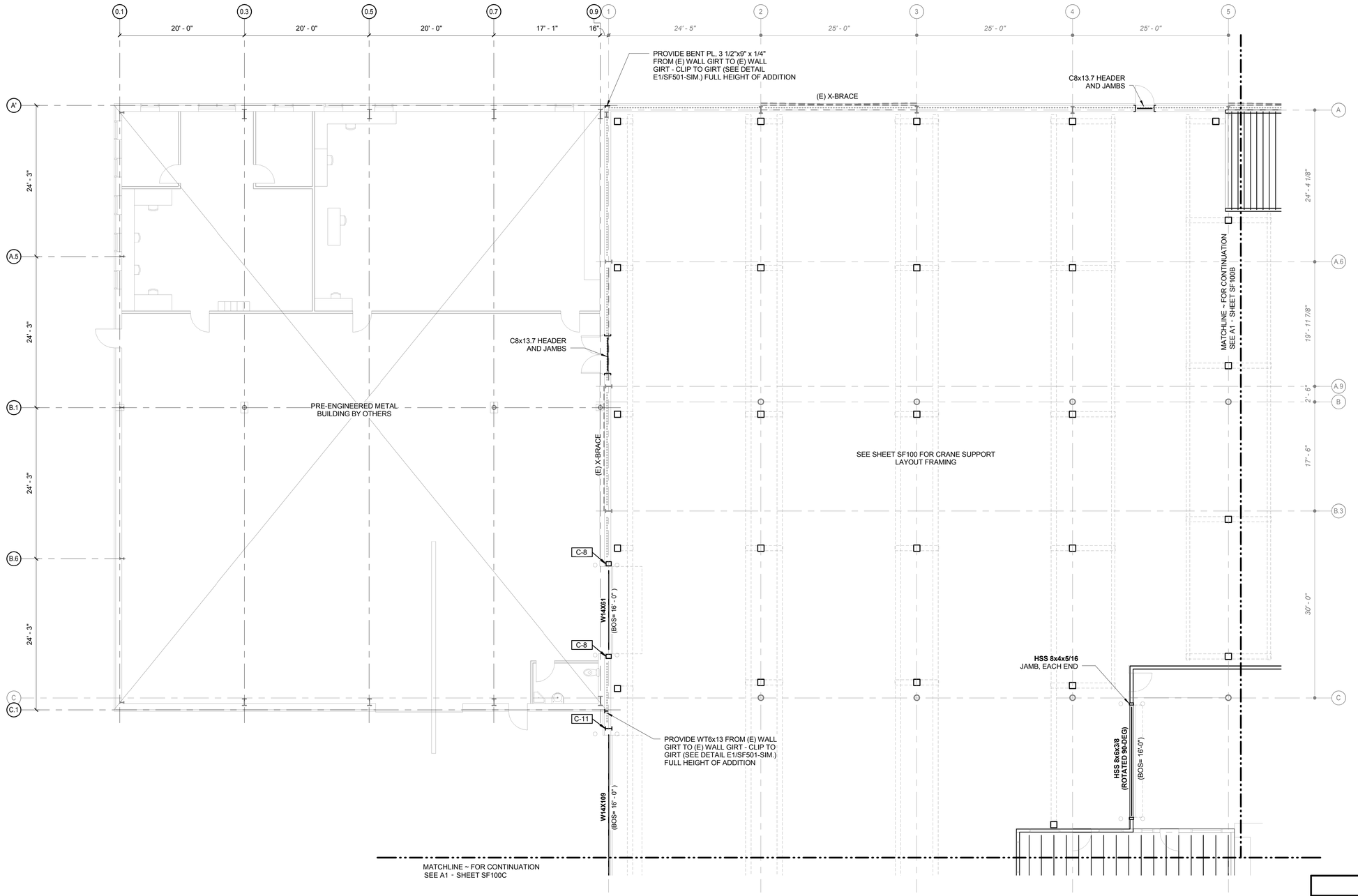
SF100

Username:

Division:

Date:

Filename:



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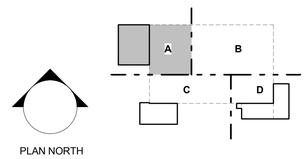
FEBRUARY 27, 2014

PROJECT KEY PLAN



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A1	STRUCTURAL ~ FRAMING PLAN
1/8" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

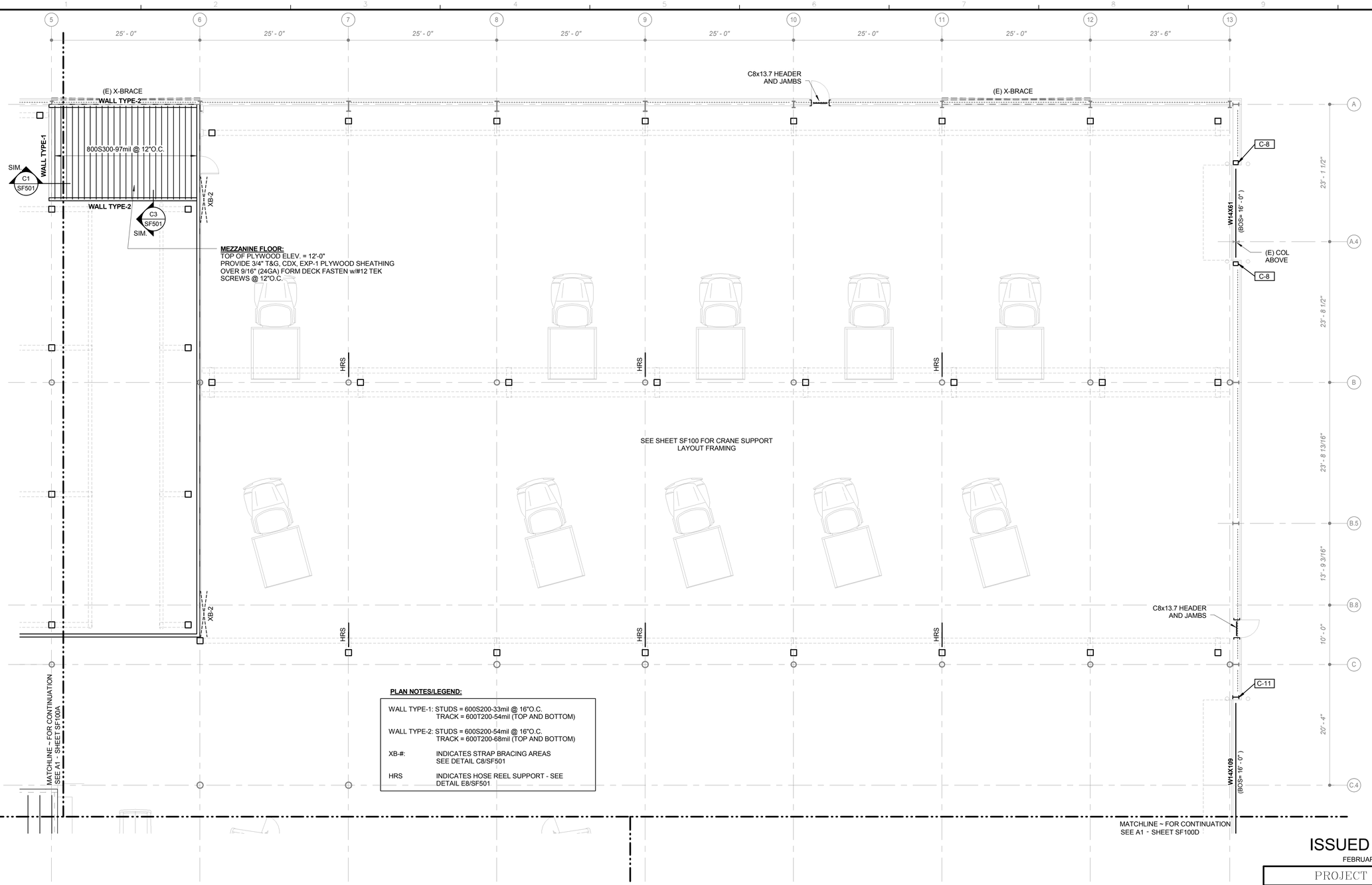
66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – FRAMING PLAN – AREA–A

SHEET NUMBER

SF100A

Username: -
Division: -
Date: -
Filename: -



PLAN NOTES/LEGEND:

WALL TYPE-1: STUDS = 600S200-33mil @ 16"O.C.
TRACK = 600T200-54mil (TOP AND BOTTOM)

WALL TYPE-2: STUDS = 600S200-54mil @ 16"O.C.
TRACK = 600T200-68mil (TOP AND BOTTOM)

XB-#: INDICATES STRAP BRACING AREAS
SEE DETAIL C8/SF501

HRS INDICATES HOSE REEL SUPPORT - SEE
DETAIL E8/SF501

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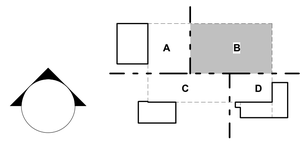
PROJECT KEY PLAN



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A1	STRUCTURAL ~ FRAMING PLAN
1/8" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE WILLIAM FALCHER 12745 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION		
PROGRAM	-	
PROJECT MANAGER	-	
DESIGNER	ALLIED ENG., INC.	
CONSULTANT	-	
PROJECT RESIDENT	-	
CONTRACTOR	-	
PROJECT COMPLETION DATE	-	

WIN: 020118.20

66 INDUSTRIAL DRIVE-PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – FRAMING PLAN – AREA–B

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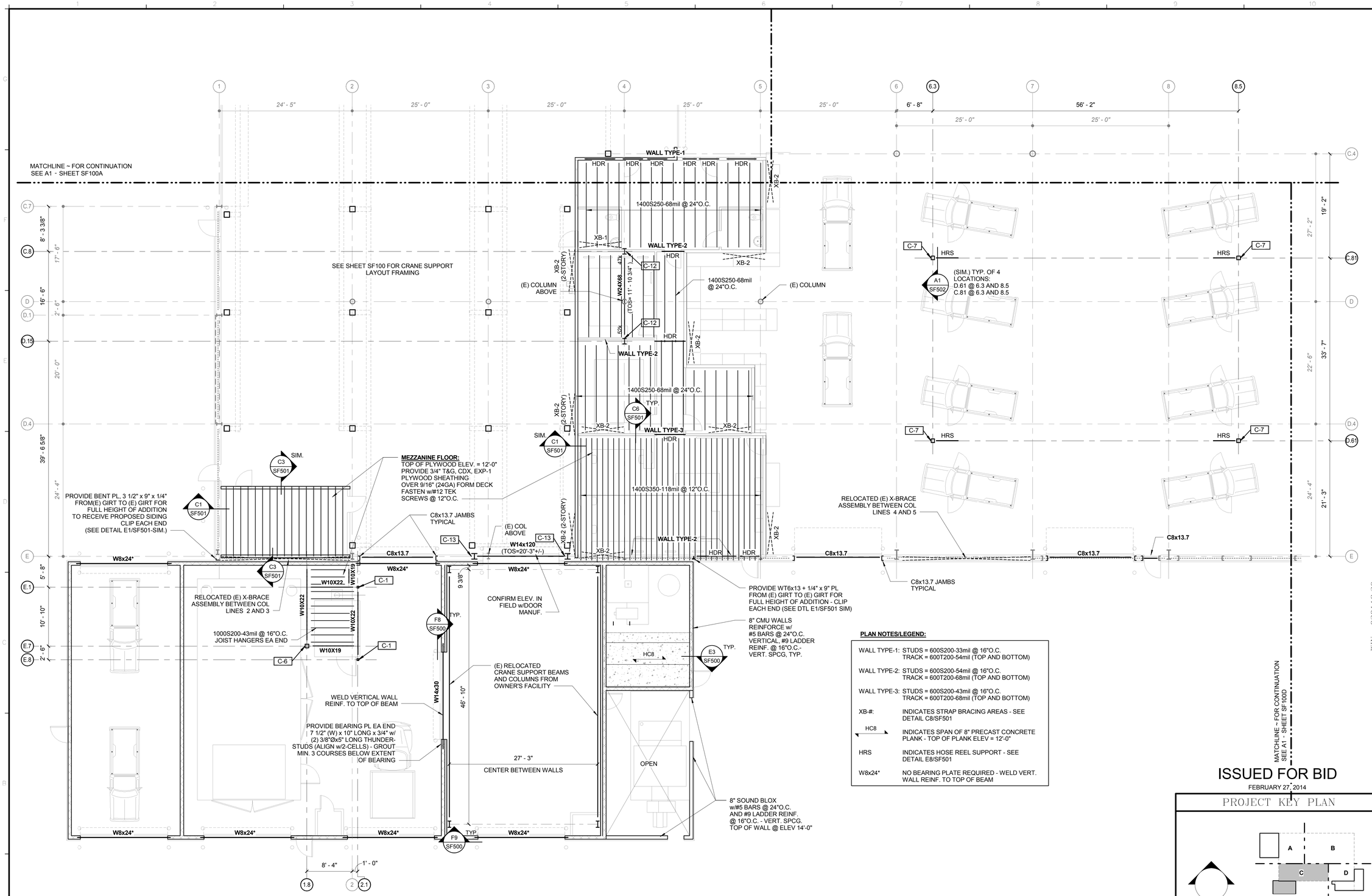
SHEET NUMBER

SF100B

Username: Division: Date: Filename:



PLAN NOTES/LEGEND:

WALL TYPE-1:	STUDS = 600S200-33mil @ 16"O.C. TRACK = 600T200-54mil (TOP AND BOTTOM)
WALL TYPE-2:	STUDS = 600S200-54mil @ 16"O.C. TRACK = 600T200-68mil (TOP AND BOTTOM)
WALL TYPE-3:	STUDS = 600S200-43mil @ 16"O.C. TRACK = 600T200-68mil (TOP AND BOTTOM)
XB-#:	INDICATES STRAP BRACING AREAS - SEE DETAIL C8/SF501
HC8	INDICATES SPAN OF 8" PRECAST CONCRETE PLANK - TOP OF PLANK ELEV = 12'-0"
HRS	INDICATES HOSE REEL SUPPORT - SEE DETAIL E8/SF501
W8x24*	NO BEARING PLATE REQUIRED - WELD VERT. WALL REINF. TO TOP OF BEAM

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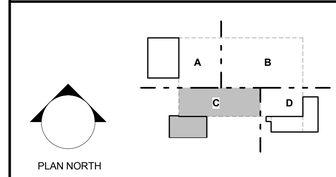
FEBRUARY 27, 2014

PROJECT KEY PLAN



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A1 | STRUCTURAL ~ FRAMING PLAN
1/8" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE
COMMISSIONER:
CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER
DATE FEBRUARY 27, 2014

PROJECT INFORMATION
PROGRAM
PROJECT MANAGER
DESIGNER
CONSULTANT
PROJECT RESIDENT
CONTRACTOR
PROJECT COMPLETION DATE

ALLIED ENG., INC.

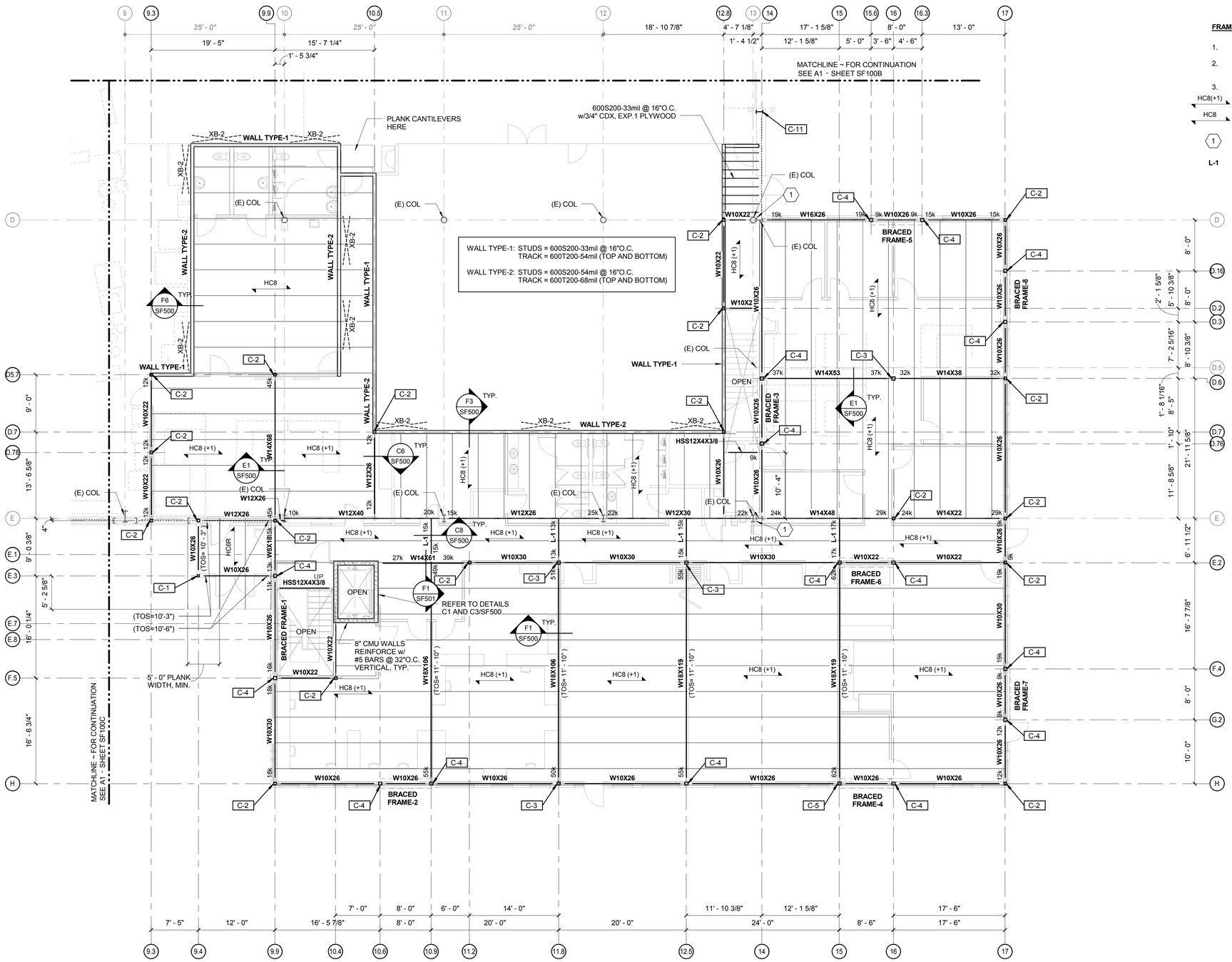
WIN: 020118.20

66 INDUSTRIAL DRIVE-PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL - FRAMING PLAN
- AREA-C

SHEET NUMBER
SF100C

Username:
Division:
Date:
Filename:



FRAMING PLAN NOTES/LEGEND: (AREA-D)

1. TOP OF STEEL ELEVATION =11'-3" UNLESS NOTED
2. SEE DRAWING SF200 FOR BRACED FRAME SCHEMATICS AND CONNECTION DETAILS
3. BEAM END REACTIONS SHALL BE 8k UNFACTORED, UNLESS NOTED.

HC8(+1) INDICATES SPAN OF 8" PRECAST HOLLOW-CORE PLANK - 1" TOPPING

HC8 INDICATES SPAN OF 8" PRECAST HOLLOW-CORE PLANK - NO TOPPING

1 PROVIDE 3/8" BENT PL x 8" LONG, FIELD CLIP FLANGE OF (E)W12x26 TO MAIN FRAME COLUMNS (PIPE AND W-SHAPE) w/4" LONG FILLET WELD TO EACH.

L-1 (2)L7x4x5/8 (LLV) BACK-TO-BACK (REFER TO DETAIL F1/SF501 FOR ATTACHMENT TO STEEL BEAM, TYP.)

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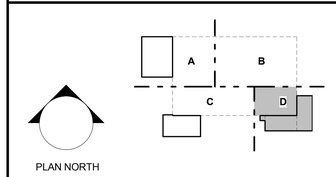
PROJECT KEY PLAN



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A1	STRUCTURAL ~ FRAMING PLAN
1/8" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

66 INDUSTRIAL DRIVE-PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL - FRAMING PLAN
- AREA-D

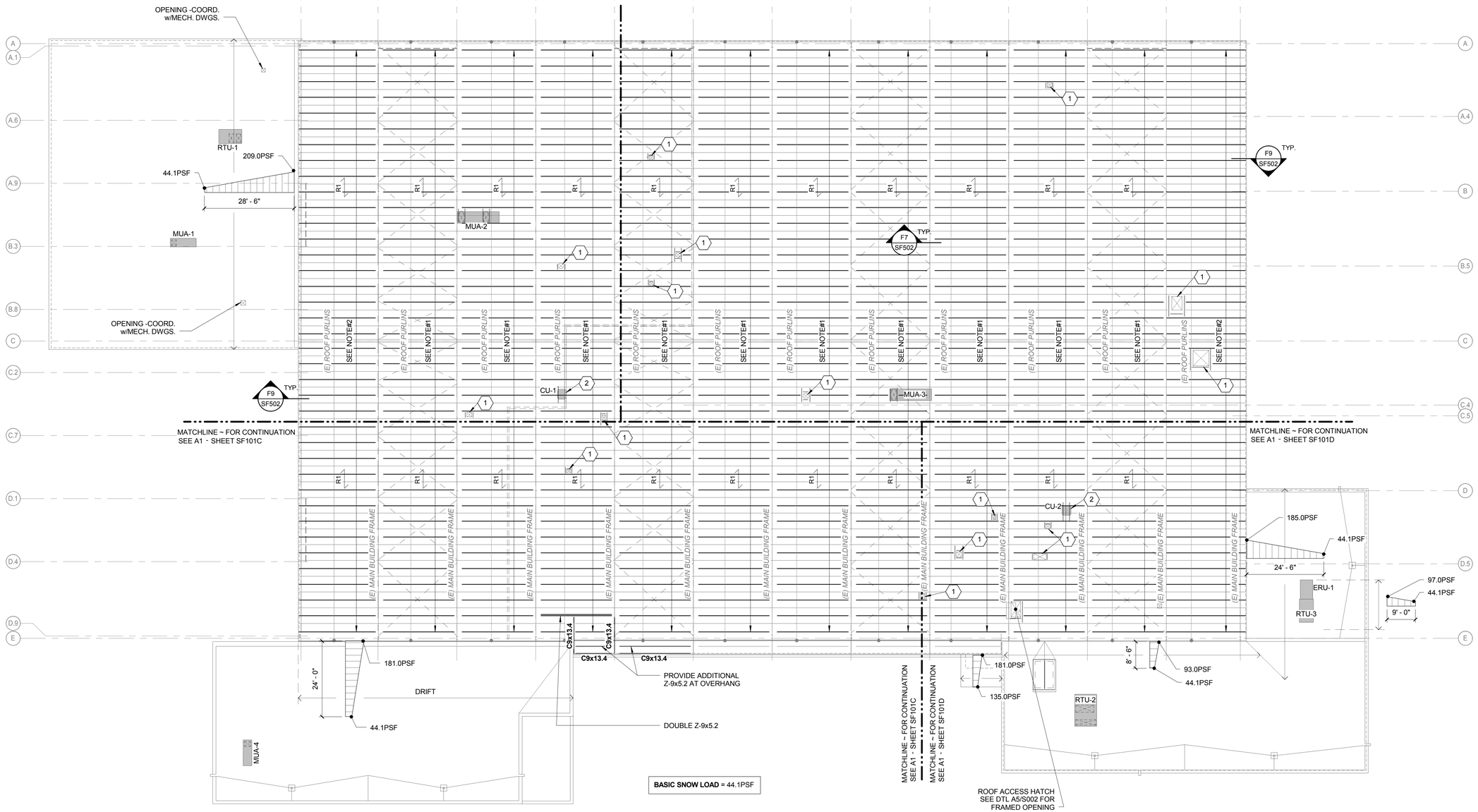
SHEET NUMBER
SF100D

Username:

Division:

Date:

Filename:



ROOF PLAN NOTES/LEGEND:

1. PROVIDE SINGLE, FULL-LENGTH CAN AM COLD FORMED "Z" ROOF PURLIN, Z 9 X 5.2 [FY = 50 KSI] OR EQUAL, CENTERED IN EVERY EXISTING PURLIN BAY. ATTACH EACH END OF ROOF PURLIN TO EXISTING STEEL FRAMES USING TSN STIFFCLIP AL600, OR EQUAL. FASTEN TOP FLANGE OF ROOF PURLIN TO DECK ABOVE. MODIFY EXISTING BRIDGING TO ACCOMMODATE ADDED ROOF PURLINS.
2. PROVIDE DOUBLE (NESTED), FULL-LENGTH CAN AM COLD FORMED "Z" ROOF PURLIN, Z 9 X 5.2 [FY = 50 KSI] OR EQUAL, CENTERED IN EVERY EXISTING PURLIN BAY. ATTACH EACH END OF (NESTED) ROOF PURLINS TO EXISTING STEEL FRAMES USING TSN STIFFCLIP AL600, OR EQUAL. FASTEN TOP FLANGE OF (NESTED) ROOF PURLINS TO DECK ABOVE. MODIFY EXISTING BRIDGING TO ACCOMMODATE ADDED (NESTED) ROOF PURLINS.

R1 INDICATES SPAN OF 1" STEEL DECKING.

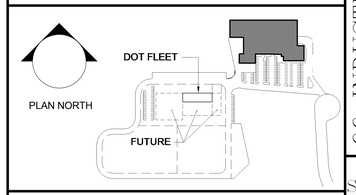
1 INDICATES ROOF PENETRATION BY MECHANICAL DUCTWORK - COORDINATE LOCATIONS AND SIZE OF OPENINGS REQUIRED w/MECH. DWGS. REFER TO DETAIL A5/S002 FOR FRAMED OPENING REQUIREMENTS.

2 PROVIDE SLEEPERS UNDER CONDENSING UNITS

A1	STRUCTURAL ~ ROOF FRAMING PLAN
1/16" = 1'-0"	

ISSUED FOR BID
FEBRUARY 27, 2014

PROJECT KEY PLAN



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Allied Project No: 13057 | Cad File: 13057S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE FEBRUARY 27, 2014

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

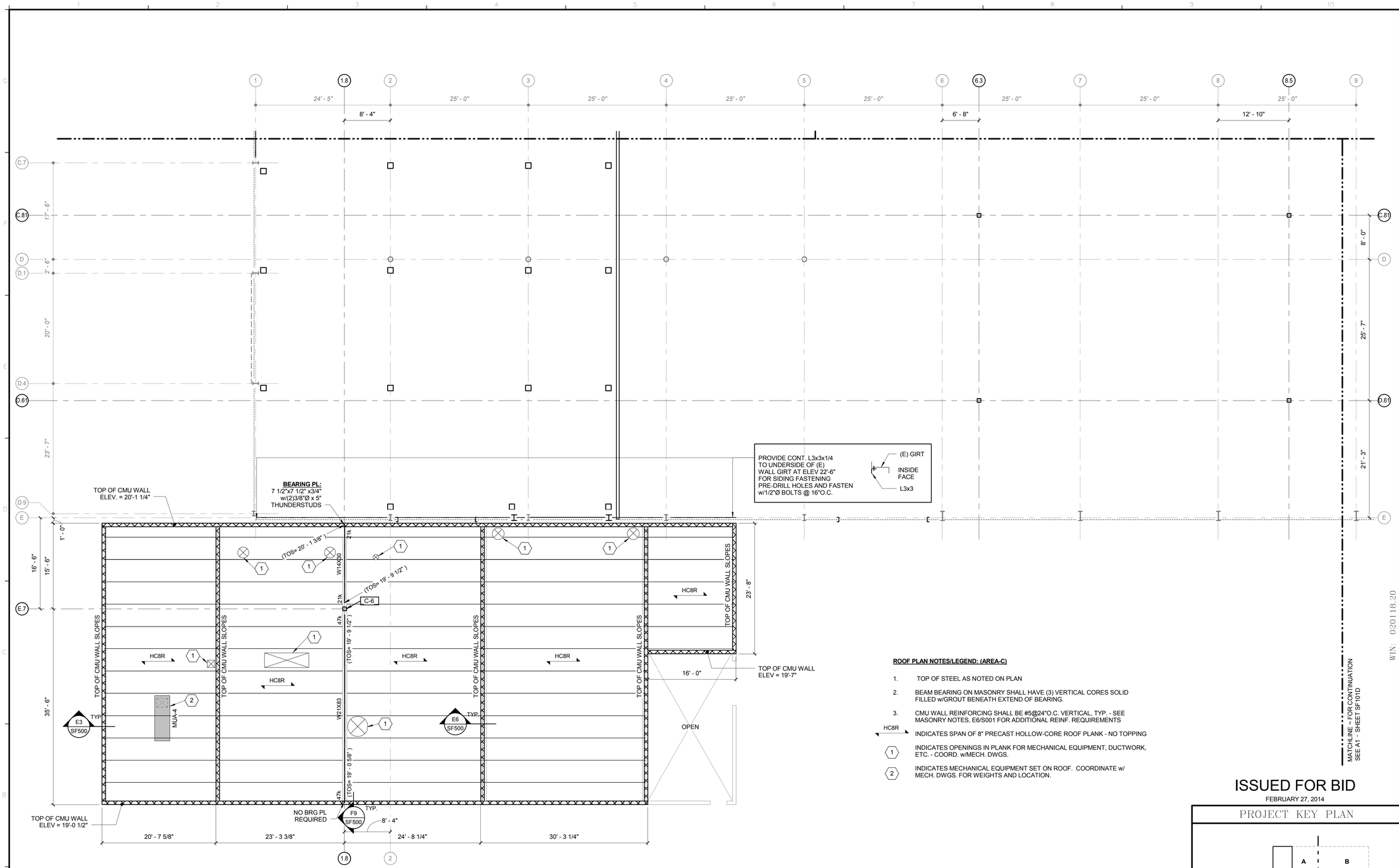
WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – ROOF FRAMING PLAN

SHEET NUMBER
SF101

Username: -
Division: -
Date: -
Filename: -



ROOF PLAN NOTES/LEGEND: (AREA-C)

1. TOP OF STEEL AS NOTED ON PLAN
2. BEAM BEARING ON MASONRY SHALL HAVE (3) VERTICAL CORES SOLID FILLED w/GROUT BENEATH EXTEND OF BEARING.
3. CMU WALL REINFORCING SHALL BE #5@24"O.C. VERTICAL, TYP. - SEE MASONRY NOTES, E6/S001 FOR ADDITIONAL REINF. REQUIREMENTS

HC8R — INDICATES SPAN OF 8" PRECAST HOLLOW-CORE ROOF PLANK - NO TOPPING

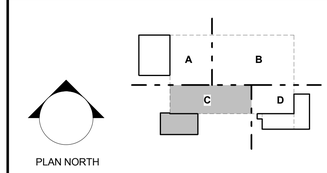
1 — INDICATES OPENINGS IN PLANK FOR MECHANICAL EQUIPMENT, DUCTWORK, ETC. - COORD. w/MECH. DWGS.

2 — INDICATES MECHANICAL EQUIPMENT SET ON ROOF. COORDINATE w/ MECH. DWGS. FOR WEIGHTS AND LOCATION.

ISSUED FOR BID

FEBRUARY 27, 2014

PROJECT KEY PLAN



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A1	STRUCTURAL ~ ROOF FRAMING PLAN
1/8" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

COMMISSIONER:

CHIEF ENGINEER:

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

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PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	ALLIED ENG., INC.
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

WIN: 020118.20

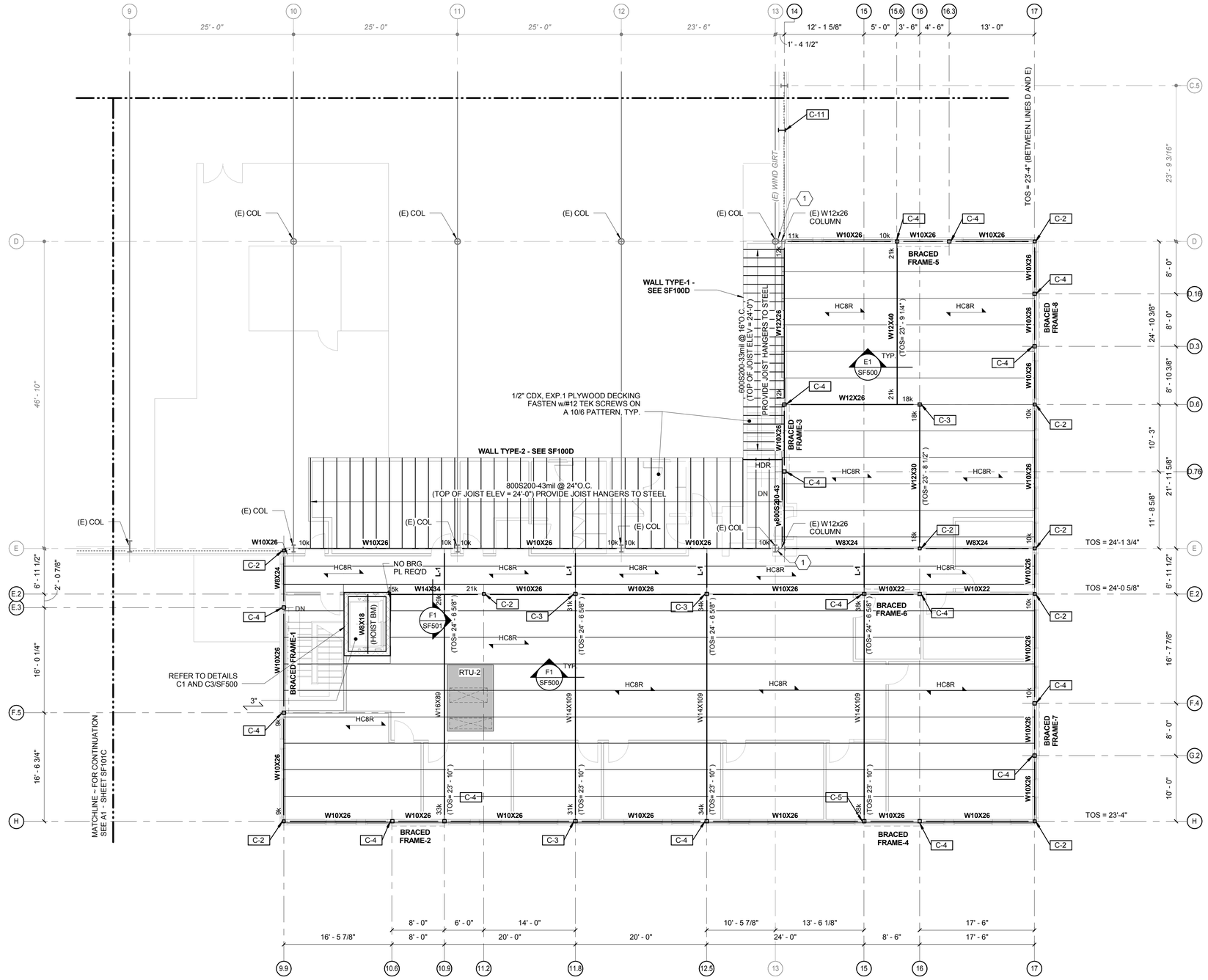
66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – ROOF FRAMING PLAN – AREA–C

SHEET NUMBER

SF101C

Username: -
Division: -
Date: -
Filename: -



ROOF PLAN NOTES/LEGEND: (AREA-D)

1. TOP OF STEEL AS NOTED ON PLAN
2. SEE DRAWING SF200 FOR BRACED FRAME SCHEMATICS AND CONNECTION DETAILS
3. BEAM END REACTIONS SHALL BE 8k UNFACTORED, UNLESS NOTED.

3" INDICATES SPAN OF 5" CONCRETE SLAB ON 3" STEEL DECKING - TOTAL SLAB DEPTH = 5" TOP OF SLAB ELEV = 27'-1"

HC8R INDICATES SPAN OF 8" PRECAST HOLLOW-CORE ROOF PLANK - NO TOPPING

1 PROVIDE 3/8" BENT PL x 8" LONG, FIELD CLIP FLANGE OF (E)W12x26 TO MAIN FRAME COLUMNS (PIPE AND W-SHAPE) w/4" LONG FILLET WELD TO EACH.

L-1 (2)L7x4x5/8 (LLV) BACK-TO-BACK (REFER TO DETAIL F1/SF501 FOR ATTACHMENT TO STEEL BEAM, TYP.

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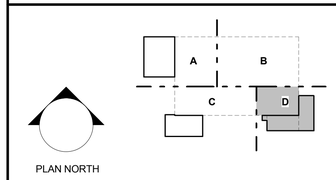
FEBRUARY 27, 2014

PROJECT KEY PLAN



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STATE OF MAINE
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COMMISSIONER: | DATE

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SIGNATURE

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CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
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WIN: 020118.20

66 INDUSTRIAL DRIVE–PHASE 2
66 INDUSTRIAL DRIVE, AUGUSTA, MAINE
MAINE DEPARTMENT OF TRANSPORTATION

STRUCTURAL – ROOF FRAMING
PLAN – AREA–D

SHEET NUMBER
SF101D

A1	STRUCTURAL ~ ROOF FRAMING PLAN
1/8" = 1'-0"	

Username: -
Division: -
Date: -
Filename: -