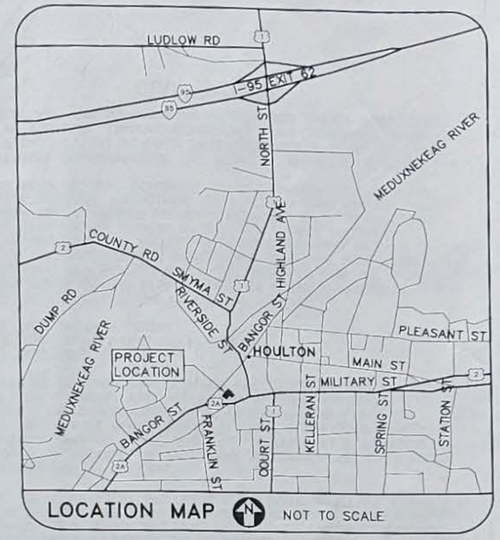
UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER

HOULTON, MAINE

AREA MAP NOT TO SCALE

DRAWING LIST

SHEET NUMBER	DISCIPLINE SHEET NUMBER	DRAWING TITLE
1	T1	TITLE, ABBREVIATIONS, MAPS, DRAWING LIST, NOTES AND LEGEND
2	C1	EXISTING CONDITIONS/REMOVALS SITE PLAN
3	C2	LAYOUT/LANDSCAPE PLAN
4	C3	GRADING PLAN AND UTILITY PLAN
5	C4	SITE DETAILS
6	C5	SITE DETAILS
7	D1	EXISTING CONDITIONS/REMOVALS FLOOR PLAN
8	D2	EXISTING CONDITIONS/REMOVALS ROOF PLAN
9	D3	EXISTING CONDITIONS/REMOVALS EXTERIOR ELEVATIONS
10	A1	FLOOR PLAN AND WALL TYPES
11	A2	EXTERIOR ELEVATIONS
12	A3	BUILDING SECTIONS
13	A4	WALL SECTIONS AND DETAILS
14	A5	ROOF PLAN AND DETAILS
15	A6	REFLECTED CEILING PLAN AND DETAILS
16	A7	ENLARGED FLOOR PLANS AND DETAILS
17	A8	ROOM FINISH SCHEDULE AND DETAILS
18	A9	DOOR SCHEDULE AND DETAILS
19	A10	DETAILS
20	S1	STRUCTURAL NOTES, ABBREVIATIONS, DESIGN LOADS AND DETAILS
21	S2	FOUNDATION PLAN
22	S3	EXISTING CONDITIONS/REMOVALS ROOF FRAMING PLAN AND DETAILS
23	S4	ROOF FRAMING PLAN
24	S5	ROOF FRAMING PLANS AND DETAILS
25	S6	FOUNDATION DETAILS
26	S7	STRUCTURAL DETAILS
27	S8	STRUCTURAL DETAILS
28	M1	MECHANICAL REMOVALS PLAN, LEGEND AND ABBREVIATIONS
29	M2	MECHANICAL PLAN
30	M3	RADIANT HEAT TUBING PLAN, SCHEDULE AND DETAILS
31	M4	MECHANICAL DETAILS
32	M5	MECHANICAL SCHEDULES AND CONTROL DIAGRAMS
33	P1	PLUMBING PLANS, SCHEDULE, LEGEND AND ABBREVIATIONS
34	E1	SYMBOLS, LEGEND, NOTES AND ABBREVIATIONS
35	E2	ELECTRICAL REMOVALS PLAN
36	E3	LIGHTING PLAN AND LIGHTING FIXTURE SCHEDULE
37	E4	POWER AND COMMUNICATIONS PLANS
38	E5	PARTIAL POWER PLAN AND DETAILS
39	E6	PANEL SCHEDULES AND DETAILS
40	E7	ELECTRICAL DETAILS



LOCATION MAP NOT TO SCALE

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WORK.
2. CARE SHALL BE TAKEN TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. ALL DAMAGE AND AREAS DISTURBED RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
3. ALL WORK INCLUDED IN THIS CONTRACT SHALL CONFORM TO ALL STATE, NATIONAL AND OTHER CODES AND ORDINANCES WHICH ARE APPLICABLE TO THIS PROJECT.
4. WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS ONLY. DO NOT SCALE DRAWINGS.
5. ALL COMPONENTS ARE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
6. ROOM NUMBERS ON PLANS ARE FOR REFERENCE ONLY AND DO NOT CORRESPOND TO ACTUAL ROOM NUMBERS AT THE SITE.
7. THE LOCATION OF ALL DOOR OPENINGS NOT DIMENSIONED SHALL BE 6" FROM ADJACENT WALL (FACE OF FRAMING TO ROUGH OPENING).
8. INSTALL BLOCKING BEHIND ALL SURFACE APPLIED FIXTURES, TRIM, GRAB BARS, SHELVES, WOOD TRIM AND OTHER ACCESSORIES WHEN MOUNTED ON STUD WALLS.
9. ROOM DIMENSIONS ARE FROM FACE OF NEW FRAMING AND FINISH FACE OF EXISTING SURFACE. DIMENSIONS INDICATED AS "CLEAR" SHALL BE MAINTAINED IN CASES OF DISCREPANCY.

ABBREVIATIONS

&	AND	EXIST	EXISTING	PLYWD	PLYWOOD
@	AT	EXT	EXTERIOR	PSI	POUNDS PER SQUARE INCH
ACI	AMERICAN CONCRETE INSTITUTE	EQ	EQUAL	PT	PRESSURE TREATED
		°F	DEGREES FAHRENHEIT	PTD	PAINT, PAINTED
APPROX	APPROXIMATE	FE	FIRE EXTINGUISHER AND CABINET	RA	RETURN AIR
BDD	BACK DRAFT DAMPER			REINF	REINFORCED
BL	BORROWED LITE	FF	FINISH FLOOR	RPM	REVOLUTIONS PER MINUTE
BTU/HR	BRITISH THERMAL UNIT PER HOUR	GA	GAGE	SA	SUPPLY AIR
		GYP BD	GYPSUM BOARD	SAT	SUSPENDED ACOUSTICAL TILE CEILING
℄	CENTERLINE	HM	HOLLOW METAL		
CFM	CUBIC FEET PER MINUTE	HWS	HARDWARE SET	SIM	SIMILAR
CUH	CABINET UNIT HEATER	HWS	HOT WATER SUPPLY	SMACNA	SHEET METAL AND AIR CONDITIONING NATIONAL ASSOCIATION INC
CLG	CEILING	HWR	HOT WATER RETURN		
COOR	COORDINATE	INSUL	INSULATION		
CONC	CONCRETE	INT	INTERIOR	SP	SPRINKLER
CONT	CONTINUOUS	MAX	MAXIMUM	SS	STAINLESS STEEL
DIA ø	DIAMETER	MDF	MEDIUM DENSITY FIBER BOARD	STL	STEEL
DN	DOWN	MFRS	MANUFACTURE'S	SYS	SYSTEM
EA	EACH	MIN	MINIMUM	TYP	TYPICAL
EF	EXHAUST FAN	MTD	MOUNTED	UL	UNDERWRITERS LAVATORY
EJ	EXPANSION JOINT	MTL	METAL	VCB	VINYL COVE BASE
ELEV, EL	ELEVATION	N	NORTH	VCT	VINYL COMPOSITION TILE
EPDM	ETHYLENE PROPYLENE DIENE TERPOLYMER	NO, #	NUMBER	VIF	VERIFY IN FIELD
		NTS	NOT TO SCALE	VTR	VENT THROUGH ROOF
ESP	EXTERNAL STATIC PRESSURE	OC	ON CENTER	W/	WITH
				WD	WOOD

LEGEND

- INTERIOR ELEVATION NUMBERS (1, 2, 3, 4; A9 = SHEET NUMBER WHERE ELEVATION IS DRAWN)
- BUILDING SECTION LETTER; SHEET WHERE BUILDING SECTION IS REFERENCED; SHEET WHERE BUILDING SECTION IS DRAWN; ADDITIONAL SHEET(S) WHERE BUILDING SECTION IS REFERENCED
- ELEVATION OR WALL SECTION NUMBER; SHEET WHERE ELEVATION OR WALL SECTION IS REFERENCED; SHEET WHERE ELEVATION OR WALL SECTION IS DRAWN; ADDITIONAL SHEETS WHERE ELEVATION OR WALL SECTION IS REFERENCED
- PLAN OR DETAIL NUMBER; SHEET WHERE PLAN OR DETAIL IS REFERENCED; SHEET WHERE PLAN OR DETAIL IS DRAWN; ADDITIONAL SHEET(S) WHERE PLAN OR DETAIL IS REFERENCED
- VESTIBULE E100 — ROOM NAME AND NUMBER
- 101 — DOOR NUMBER
- NA — WALL TYPE
- ELEVATION OR VERTICAL HEIGHT TARGET
- 1, A — KEY NOTE
- DETAIL 4/A11 — DETAIL NUMBER; SHEET NUMBER WHERE DETAIL IS DRAWN
- EXIST ITEM TO REMAIN
- EXIST ITEM TO BE REMOVED
- ITEM TO BE PROVIDED

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005
LICENSED ARCHITECT DONALD RICHARD DRAPER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: DRD
DRAWN: MJC
CHECKED: DRD
SCALE: AS NOTED
JOB NO: 9903.01A

TITLE, ABBREVIATIONS, MAPS, DRAWING LIST, NOTES AND LEGEND

T1

1 OF 40

10-19-00 10:23:26 am EST

PROJECT BENCHMARK: WESTERLY CORNER
TOP OF CONCRETE SIGN FOUNDATION,
ELEV: 349.40, USGS DATUM.
SEE NOTE 8

MAGNETIC NORTH
GRID NORTH

BANGOR STREET (U.S. RT 2A)

SEE BID NOTES 1-3, SHT C2

APPROXIMATE PROPERTY LINE (TYP)

EXIST GAS STATION PUMP ISLAND

LIMIT OF WORK (TYP)

EXISTING 15' WIDE RIGHT OF WAY

EXISTING LAUNDROMAT

BEE LINE INC.

AROOSTOCK PRINT SHOP

HOME APPLIANCE CENTER

KENDALL STREET (U.S. RT 1)

CLUMP MAPLE (8-8")

8" MAPLE

CLUMP MAPLE (10-2")

EXISTING BUILDING
EXISTING FINISH FLOOR
ELEVATION: 354.07'

EXISTING CONC RETAINING WALL

SPORTS CENTER

APARTMENT BUILDING

EXIST CONC BUMPERS
SEE BID ALTERNATE
NOTE 4, SHT C2.

EXIST CONCRETE STAIR

SEE BID NOTES 1-3, SHT C2

NORTHLAND MOTORS

MILITARY STREET (U.S. RT 2)

LEGEND

- EXISTING IRON PIPE
- EXISTING PK SPIKE
- EXISTING 5/8" REINFORCING ROD WITH CAP E.C.J. #509
- EXISTING STORM DRAIN MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING CATCH BASIN
- EXISTING UTILITY POLE
- EXISTING METAL OR WOOD LIGHT POLE
- EXISTING WATER VALVE
- EXISTING HYDRANT
- ESS(18") — EXISTING SANITARY SEWER (SIZE AS NOTED)
- ESD(15") — EXISTING STORM DRAIN (SIZE AS NOTED)
- EW(6") — EXISTING WATER LINE (SIZE AS NOTED)
- EUE — EXISTING UNDERGROUND ELECTRIC LINE
- EOE — EXISTING OVERHEAD ELECTRIC LINE
- EOT — EXISTING OVERHEAD TELEPHONE LINE
- EXISTING PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- 345 — EXISTING CONTOUR LINE
- 346.31E — EXISTING SPOT ELEVATION
- EXISTING EDGE OF GRAVEL
- EXISTING BUILDING LINE
- EXISTING CURB LINE
- EXISTING TREE
- 346.31F — FINISH SPOT ELEVATION
- 346.13E — EXISTING SPOT ELEVATION
- 346.15F — FINISH SPOT ELEVATION
- SAWCUT EXISTING PAVEMENT (4"± THICK)
- EXISTING ITEMS TO BE REMOVED (OR PIPES TO BE ABANDONED)

- SINGLE LUMINARY LIGHT POLE WITH FOUNDATION
- DOUBLE LUMINARY LIGHT POLE WITH FOUNDATION
- TREE
- SHRUB
- CATCH BASIN
- CURB LINE
- EDGE OF PAVEMENT
- 354 — CONTOUR LINE
- BUILDING LINE
- W(4") — WATER LINE (SIZE AS NOTED)
- SS(4") — SANITARY SEWER (SIZE AS NOTED)
- UE(1") — UNDERGROUND ELECTRIC LINE (CONDUIT SIZE AS NOTED)
- SD(15") — STORM DRAIN LINE (PIPE SIZE AS NOTED)

EXISTING CONDITIONS/ REMOVALS SITE PLAN

1 / C1.C1 SCALE: 1"=30'

KEYNOTES

1. EXISTING GRAVEL SURFACE.
2. EXISTING VEGETATED SURFACE (GRASS OR OLD FIELD).
3. EXISTING ASPHALT CONCRETE PAVEMENT.
4. REMOVE PORTION OF EXISTING BUILDING. REFER TO SHEET D1.
5. REMOVE EXISTING CANOPY.
6. REMOVE EXISTING WOOD SHEDS AND REINFORCED CONCRETE FLOOR SLABS. REFER TO SHEET D1.
7. REMOVE EXISTING 6"± HIGH ASPHALT CONCRETE CURB RAMP.
8. EXISTING 30" DIA STUMP TO BE REMOVED BY OTHERS (AND AREA REGRADED). SEE BID NOTES SHEET C2.
9. REMOVE EXISTING TREE (SIZE GIVEN WITH KEYNOTE).
10. REMOVE EXISTING SHRUB.
11. REMOVE EXISTING CONCRETE CURB.
12. REMOVE EXISTING 4"± THICK REINFORCED CONCRETE SIDEWALK (WITH 1-1/2" BIT OVERLAY).
13. REMOVE EXISTING 8" WIDE REINFORCED CONCRETE FOUNDATIONS TO MIN 24" BELOW FINISH GRADE.
14. SAWCUT EXISTING ASPHALT CONCRETE PAVEMENT, ±4" THICK. (NOT REQUIRED UNDER BID ALTERNATE 1) REFER TO SHEET C2 FOR LAYOUT.
15. REMOVE EXISTING ASPHALT CONCRETE PAVEMENT, ±4" THICK. (RECLAIM UNDER BID ALTERNATE 1) REMOVE EXISTING MATERIAL TO MIN 10" BELOW FINISH GRADE IN AREAS TO BE VEGETATED.
16. ABANDON EXISTING WATER SERVICE LINE IN PLACE (SEE NOTE 7). CAP ENDS OF ABANDONED LINE.
17. ABANDON PORTION OF EXISTING SANITARY SEWER LINE (SEE NOTE 7). CAP ENDS OF ABANDONED LINE.
18. REMOVE EXISTING OVERHEAD ELECTRIC LINE.
19. REMOVE EXISTING CATCH BASIN.
20. REMOVE EXISTING 3'-0" x 8'-0" x 2'-0" HIGH REINFORCED CONCRETE SIGN FOUNDATION. REMOVE TO MIN 24" BELOW FINISH GRADE.
21. REMOVE EXISTING GRAVEL. REMOVE EXISTING MATERIAL TO MIN 6" BELOW FINISH GRADE IN AREAS TO BE VEGETATED AND TO MIN 21" BELOW FINISH GRADE IN AREAS TO BE PAVED.
22. REMOVE EXISTING OVERHEAD ELECTRIC LINE. COORDINATE WITH LOCAL UTILITY COMPANY.
23. CORE HOLE IN EXISTING CATCH BASIN FOR 6" DIA STORM DRAIN AT INVERT ELEVATION 344.60.
24. SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE PAVEMENT, ±5" THICK (REQUIRED UNDER BASE BID AND BID ALTERNATE 1).
25. CORE HOLE IN EXISTING CONCRETE WALL FOR 6" STORM DRAIN (INVERT ELEVATION: 351.0±)

CIVIL NOTES:

1. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN IS BASED ON A PLAN ENTITLED "EXISTING CONDITIONS PLAN (STANDARD BOUNDARY SURVEY)", LATEST REVISION DATED OCTOBER 5, 1990, FOR THE SAMPSON SUPERMARKETS, INC, HOULTON, MAINE, BY E. C. JORDAN CO.
2. THE WORK OF THIS CONTRACT SHALL CONFORM TO ALL LOCAL, STATE, FEDERAL AND OTHER LAWS, REGULATIONS AND ORDINANCES WHICH APPLY TO THIS PROJECT, INCLUDING OSHA REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE CONSTRUCTION SITE, INCLUDING SHORING, BRACING AND BARRICADING OPEN EXCAVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS WHICH ARE REQUIRED FOR THE SATISFACTORY COMPLETION OF THE WORK. REQUIRED PERMITS INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:
   a.) CITY BUILDING PERMIT
   b.) MDOT STREET OPENING PERMIT
   c.) DIGSAFE
3. EXISTING UNDERGROUND UTILITIES ARE BASED ON THE PLAN REFERENCED IN NOTE 1 ABOVE, AND ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL APPLICABLE UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL CONTACT "DIGSAFE" AT 1-888-344-7233 AND OBTAIN A "DIGSAFE" PERMIT PRIOR TO COMMENCING EXCAVATION OPERATIONS ON THE SITE.
4. ALL MEASUREMENTS, INCLUDING ELEVATIONS, SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS OF EXISTING PIPING OR STRUCTURES AT POINTS OF CONNECTION INDICATED PRIOR TO LAYING PIPE OR PLACING STRUCTURES WHICH ARE DEPENDENT ON SAID EXISTING INVERT ELEVATIONS. ANY DISCREPANCIES WHICH WOULD AFFECT THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED BY THE ARCHITECT.
5. THE CONTRACTOR SHALL RESTRICT OPERATIONS TO AREAS WITH THE LIMIT OF WORK INDICATED. ANY DAMAGE TO EXISTING FACILITIES, INCLUDING, BUT NOT LIMITED TO, STRUCTURES, UTILITIES, AND PAVEMENTS, SHALL BE RESTORED/REPAIRED BY THE CONTRACTOR, TO THE SATISFACTION OF THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL DISPOSE OF AND/OR RECYCLE CONSTRUCTION DEBRIS FROM THE PROJECT IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A SAFE, NEAT AND CLEAN MANNER.
7. ALL WATER AND SEWER LINE WORK WITHIN PUBLIC RIGHT OF WAYS SHALL BE COORDINATED IN ADVANCE WITH THE HOULTON WATER DISTRICT.
8. THE CONTRACTOR SHALL ESTABLISH A BENCHMARK WITH A PRECISE ELEVATION ON THE WESTERLY CORNER OF THE NEW CONCRETE SIGN FOUNDATION AT BANGOR STREET (TO REPLACE THE EXISTING BENCHMARK REMOVED).
9. SEE SHEET C2 FOR BID NOTES AND BID ALTERNATE NOTES.

GRAPHIC SCALE
1"=30' 0 15' 30' 60' 120'
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BROOKSVILLE, MAINE 04617

STATE OF MAINE PAUL J. MILLER NO. 5539 REGISTERED PROFESSIONAL ENGINEER

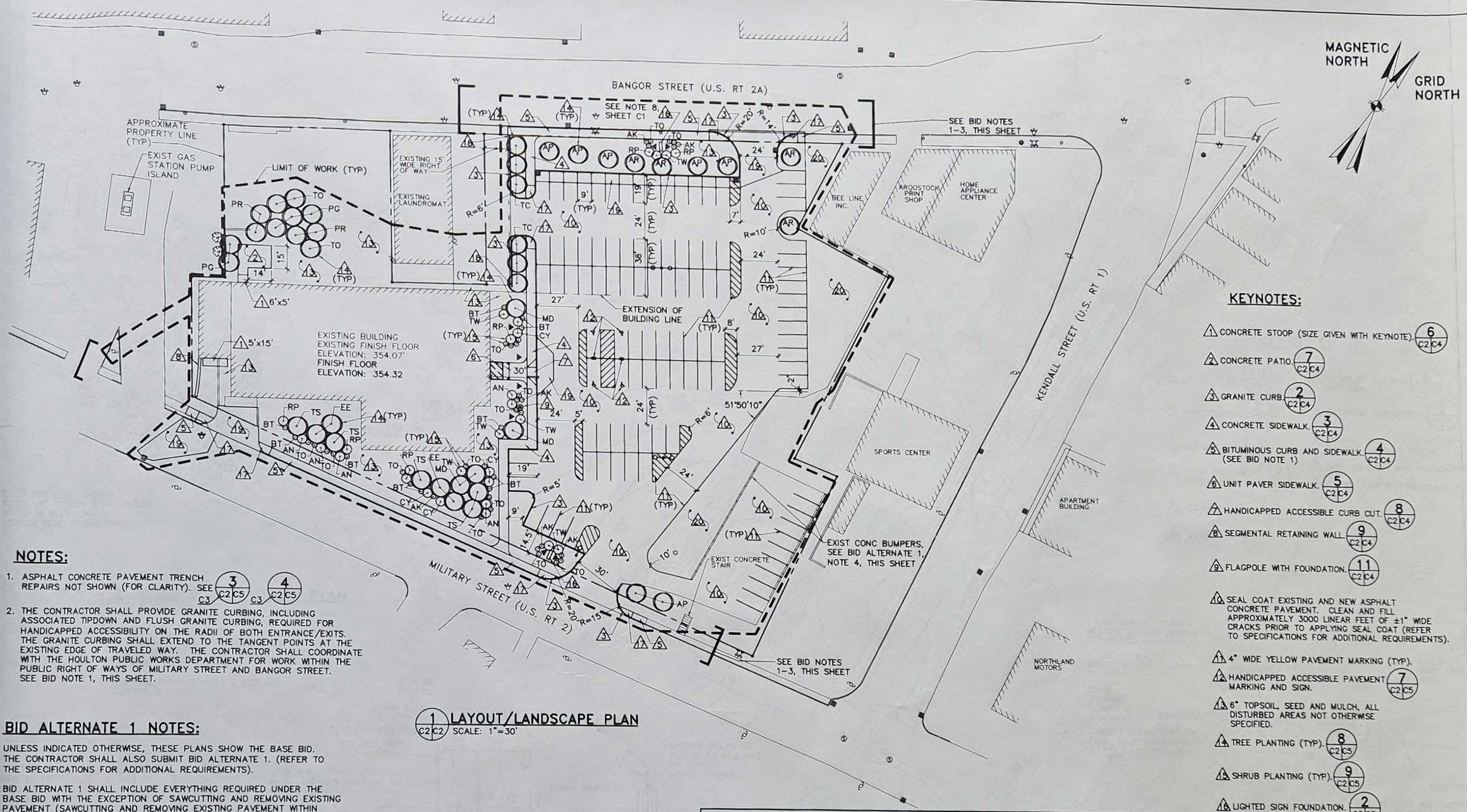
UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	PJM
DRAWN:	JLL
CHECKED:	AG
SCALE:	AS NOTED
JOB:	99014.04

EXISTING CONDITIONS/ REMOVALS SITE PLAN

C1
2 OF 40

04-10.dwg 10-19-00 3:47:21 pm EST



1 C2 C2 LAYOUT/LANDSCAPE PLAN
SCALE: 1"=30'

NOTES:

1. ASPHALT CONCRETE PAVEMENT TRENCH REPAIRS NOT SHOWN (FOR CLARITY). SEE 3 C2 C5 C3 AND 4 C2 C5 C3.
2. THE CONTRACTOR SHALL PROVIDE GRANITE CURBING, INCLUDING ASSOCIATED TIPDOWN AND FLUSH GRANITE CURBING, REQUIRED FOR HANDICAPPED ACCESSIBILITY ON THE RADII OF BOTH ENTRANCE/EXITS. THE GRANITE CURBING SHALL EXTEND TO THE TANGENT POINTS AT THE EXISTING EDGE OF TRAVELED WAY. THE CONTRACTOR SHALL COORDINATE WITH THE HOULTON PUBLIC WORKS DEPARTMENT FOR WORK WITHIN THE PUBLIC RIGHT OF WAYS OF MILITARY STREET AND BANGOR STREET. SEE BID NOTE 1, THIS SHEET.

BID ALTERNATE 1 NOTES:

UNLESS INDICATED OTHERWISE, THESE PLANS SHOW THE BASE BID. THE CONTRACTOR SHALL ALSO SUBMIT BID ALTERNATE 1. (REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS).

BID ALTERNATE 1 SHALL INCLUDE EVERYTHING REQUIRED UNDER THE BASE BID WITH THE EXCEPTION OF SAWCUTTING AND REMOVING EXISTING PAVEMENT (SAWCUTTING AND REMOVING EXISTING PAVEMENT WITHIN MILITARY STREET IS REQUIRED UNDER BID ALTERNATE 1) AND SEALCOATING. ADDITIONAL WORK REQUIRED UNDER BID ALTERNATE 1 INCLUDES RECLAIMING THE EXISTING ASPHALT CONCRETE PAVEMENT IN PLACE (AS SPECIFIED), MINOR REGRADING OF THE RECLAIMED MATERIAL, AND PROVISION OF ASPHALT CONCRETE PAVEMENT. SEE 3 C2 C3

THE AREA TO BE PAVED UNDER BID ALTERNATE 1 SHALL BE THE AREA INDICATED TO BE SEALCOATED UNDER THE BASE BID WITH THE EXCEPTION OF THE AREAS IDENTIFIED BY KEYNOTE 20, THIS SHEET. THE AREA TO BE RECLAIMED UNDER BID ALTERNATE 1 SHALL BE THE AREA OF PAVEMENT REMOVAL AND THE AREA INDICATED TO BE SEALCOATED (WITH THE EXCEPTION OF THE AREAS IDENTIFIED BY KEYNOTE 20, THIS SHEET), UNDER THE BASE BID.

THE EXISTING CONCRETE BUMPERS SHALL REMAIN UNDER THE BASE BID AND BE REMOVED, STORED AND RESET UNDER BID ALTERNATE 1.

BID NOTES:

1. PROVISION OF BITUMINOUS CURB AND SIDEWALK WITHIN THE PUBLIC RIGHT OF WAYS OF MILITARY STREET AND BANGOR STREET, AND ASSOCIATED WORK INCLUDING REMOVAL OF EXISTING CONCRETE CURB AND SIDEWALK, WILL BE PERFORMED BY OTHERS AND IS NOT INCLUDED AS PART OF THIS CONTRACT.
2. WORK WITHIN THE PUBLIC RIGHT OF WAYS OF MILITARY STREET AND BANGOR STREET INCLUDED AS PART OF THIS CONTRACT IS PROVISION OF STORM DRAIN, WATER LINE AND PAVING IN THE VICINITY OF THE LOADING DOCK AND PROVISION OF GRANITE CURBING AND PAVING/SEAL COATING FOR THE ENTRANCE/EXITS TO THE PARKING AREA, AS INDICATED.
3. THE CONTRACTOR SHALL COORDINATE WITH THE HOULTON PUBLIC WORKS DEPARTMENT FOR WORK WITHIN THE PUBLIC RIGHT OF WAYS OF MILITARY STREET AND BANGOR STREET. SEE NOTE 2, THIS SHEET.

PLANTING SCHEDULE

SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	METHOD	QTY
AP	NORWAY MAPLE	ACER PLATANOIDES	1 1/4" DIA	B & B	7
TC	LITTLE LEAF LINDEN	TILIA CORDATA	1 1/4" DIA	B & B	6
PG	WHITE SPRUCE	PICEA GLAUCA	6-7' TALL	B & B	5
PR	RED SPRUCE	PICEA RUBENS	6-7' TALL	B & B	4
TO	NORTHERN WHITE CEDAR	THUJA OCCIDENTALIS	6-7' TALL	B & B	3
AR	RED MAPLE	ACER RUBRUM	6-7' TALL	B & B	4
EE	EUROPEAN EUONYMUS	EUONYMUS EUROPAEUS	4-5' TALL	B & B	4
TS	SNOWTIP CEDAR	THUJA SNOWTIP	4-5' TALL	B & B	5
MD	FLOWERING CRAB	MALUS DONALD WYMAN	3-4' TALL	B & B	4
TW	GLOBE ARBORVITAE	THUJA WOODWARDI	24-30" TALL	B & B	8
CY	CANADIAN YEW	TAXUS CANADENSIS	24-30" TALL	B & B	6
RP	PJM RHODODENDRON	RHODODENDRON "PJM"	18-24" TALL	CONT	7
AN	AZALEA	AZALEA 'NORTHERN LIGHTS'	18-24" TALL	CONT	7
BT	"CRIMSON DWARF" BARBERRY	BERBERIS THUNBERGI	15-18" WIDE	CONT	9
TO	"GREEN MIDGET" CEDAR	THUJA OCCIDENTALIS	12-15" WIDE	CONT	24
AK	AZALEA	AZALEA KAREN	18-24" TALL	CONT	8

KEYNOTES:

1. CONCRETE STOOP (SIZE GIVEN WITH KEYNOTE). 6 C2 C4
2. CONCRETE PATIO. 7 C2 C4
3. GRANITE CURB. 2 C2 C4
4. CONCRETE SIDEWALK. 3 C2 C4
5. BITUMINOUS CURB AND SIDEWALK. (SEE BID NOTE 1) 4 C2 C4
6. UNIT PAVER SIDEWALK. 5 C2 C4
7. HANDICAPPED ACCESSIBLE CURB CUT. 8 C2 C4
8. SEGMENTAL RETAINING WALL. 9 C2 C4
9. FLAGPOLE WITH FOUNDATION. 11 C2 C4
10. SEAL COAT EXISTING AND NEW ASPHALT CONCRETE PAVEMENT. CLEAN AND FILL APPROXIMATELY 3000 LINEAR FEET OF ±1" WIDE CRACKS PRIOR TO APPLYING SEAL COAT (REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS).
11. 4" WIDE YELLOW PAVEMENT MARKING (TYP).
12. HANDICAPPED ACCESSIBLE PAVEMENT MARKING AND SIGN. 7 C2 C5
13. 6" TOPSOIL, SEED AND MULCH, ALL DISTURBED AREAS NOT OTHERWISE SPECIFIED.
14. TREE PLANTING (TYP). 8 C2 C5
15. SHRUB PLANTING (TYP). 9 C2 C5
16. LIGHTED SIGN FOUNDATION. 2 C2 C3
17. CURB RAMP, PROVIDE TIPDOWN AND FLUSH GRANITE CURBING REQUIRED FOR HANDICAPPED ACCESSIBLE SIDEWALK, MAX SLOPE OF CURB RAMP, 1:12, MAX RISE, 6" (SEE NOTE 2, THIS SHEET).
18. TIPDOWN GRANITE CURB.
19. ASPHALT CONCRETE PAVEMENT. 1 C2 C4
20. SEALCOAT EXISTING ASPHALT CONCRETE PAVEMENT (UNDER BASE BID). EXISTING ASPHALT CONCRETE PAVEMENT TO REMAIN (UNDER BID ALTERNATE 1).

GRAPHIC SCALE

1"=30' 0 15' 30' 60' 120'

CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BROCKTON, MAINE 04626

STATE OF MAINE PAUL J MILLER NO. 8955 REGISTERED PROFESSIONAL ENGINEER

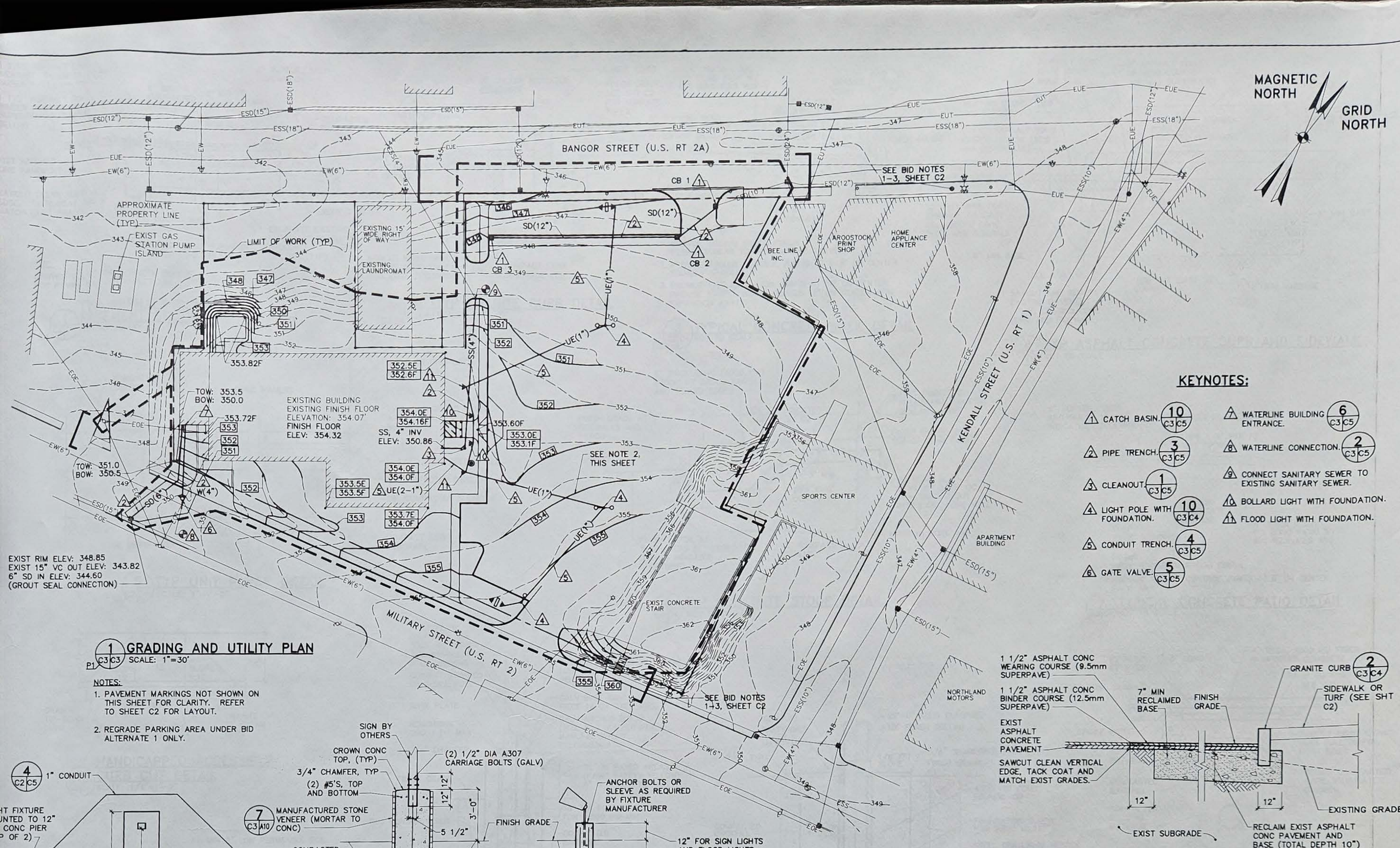
UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: PJM
DRAWN: JJL
CHECKED: JLG
SCALE: AS NOTED
JOB: 99014.04

LAYOUT/ LANDSCAPE PLAN

C2
3 OF 40

99014.04-11.dwg 10-19-00 2:22:06 pm EST



KEYNOTES:

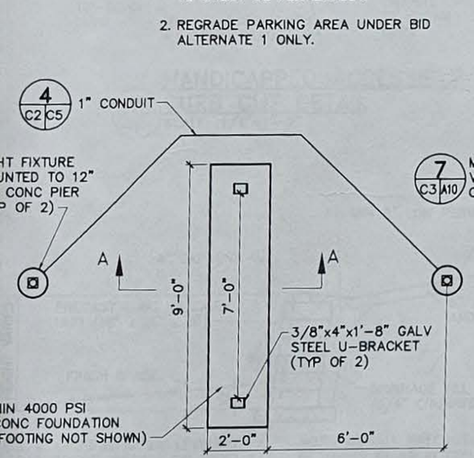
1. CATCH BASIN. (10 / C3 C5)
2. PIPE TRENCH. (3 / C3 C5)
3. CLEANOUT. (1 / C3 C5)
4. LIGHT POLE WITH FOUNDATION. (10 / C3 C4)
5. CONDUIT TRENCH. (4 / C3 C5)
6. GATE VALVE. (5 / C3 C5)
7. WATERLINE BUILDING ENTRANCE. (6 / C3 C5)
8. WATERLINE CONNECTION. (2 / C3 C5)
9. CONNECT SANITARY SEWER TO EXISTING SANITARY SEWER.
10. BOLLARD LIGHT WITH FOUNDATION.
11. FLOOD LIGHT WITH FOUNDATION.

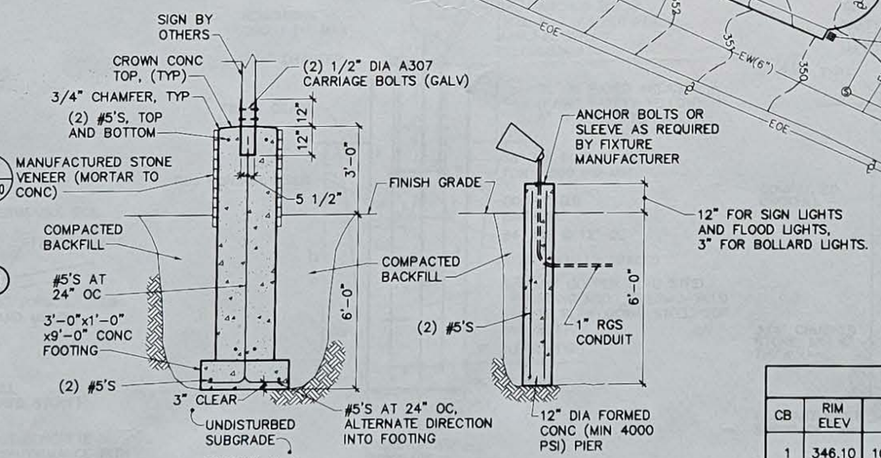
1 GRADING AND UTILITY PLAN

P1 C3 C3 SCALE: 1"=30'

NOTES:

1. PAVEMENT MARKINGS NOT SHOWN ON THIS SHEET FOR CLARITY. REFER TO SHEET C2 FOR LAYOUT.
2. REGRADE PARKING AREA UNDER BID ALTERNATE 1 ONLY.





2 TYP LIGHTED SIGN FOUNDATION DETAIL

C2 C3 SCALE: 1"=1'-0"

NOTES:

1. COORDINATE U-BRACKET LAYOUT WITH SIGN MANUFACTURER.
2. 12" DIAMETER FORMED CONCRETE PIER SHALL BE USED FOR BOLLARD LIGHTS AND FLOOD LIGHTS.

3 TYP RECLAIMED ASPHALT CONCRETE PAVEMENT SECTION

C2 C3 NOT TO SCALE

CATCH BASIN SCHEDULE

CB	RIM ELEV	PIPE SIZE	INVERT ELEV	PIPE SIZE	INVERT ELEV	REMARKS
1	346.10	10" OUT	342.78	12" IN	342.88	CONNECT TO EXISTING 10" PIPE AT INV ELEV: 342.78
2	347.20	12" OUT	343.30	12" IN	343.40	
3	347.30	12" OUT	344.20	–	–	

GRAPHIC SCALES

1"=1'-0" 0 6" 1' 2' 3'

1"=30' 0 15' 30' 60' 120'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BROOKSVILLE, MAINE 04617

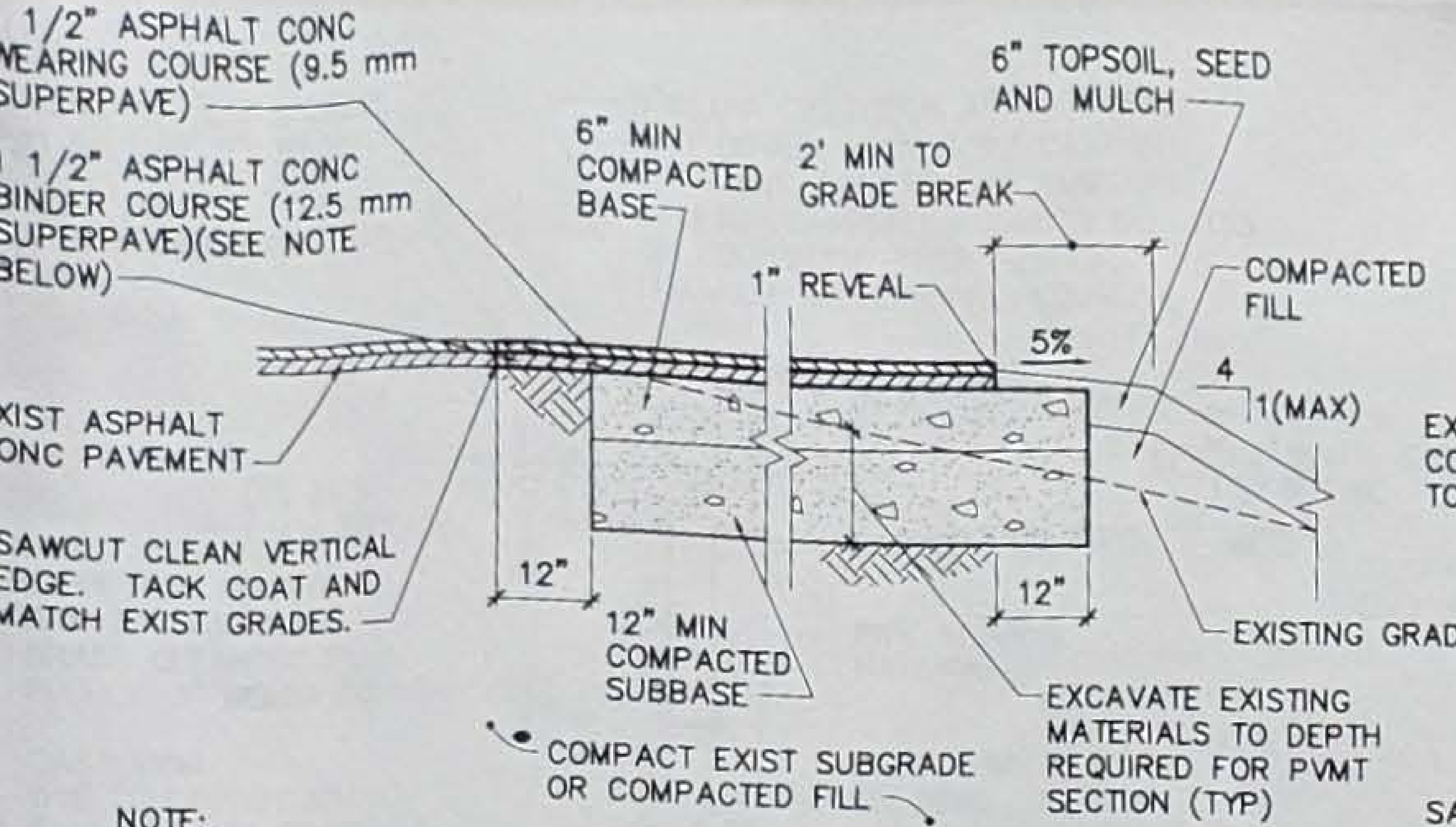
STATE OF MAINE PAUL J. MILLER NO. 8553 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: PJM
DRAWN: JLL
CHECKED: JLG
SCALE: AS NOTED
JOB: 99014.04

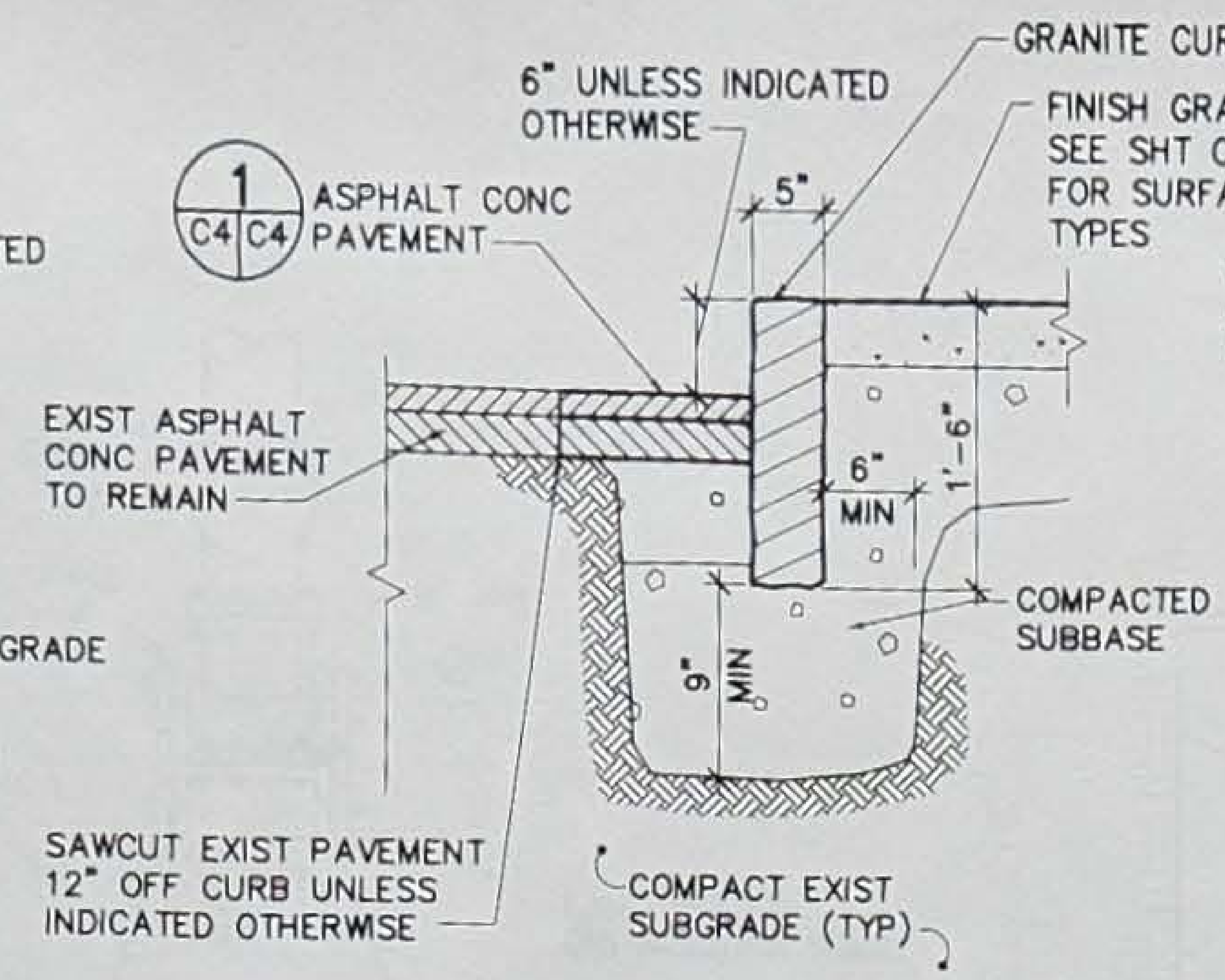
GRADING AND UTILITY PLAN

C3
4 OF 40

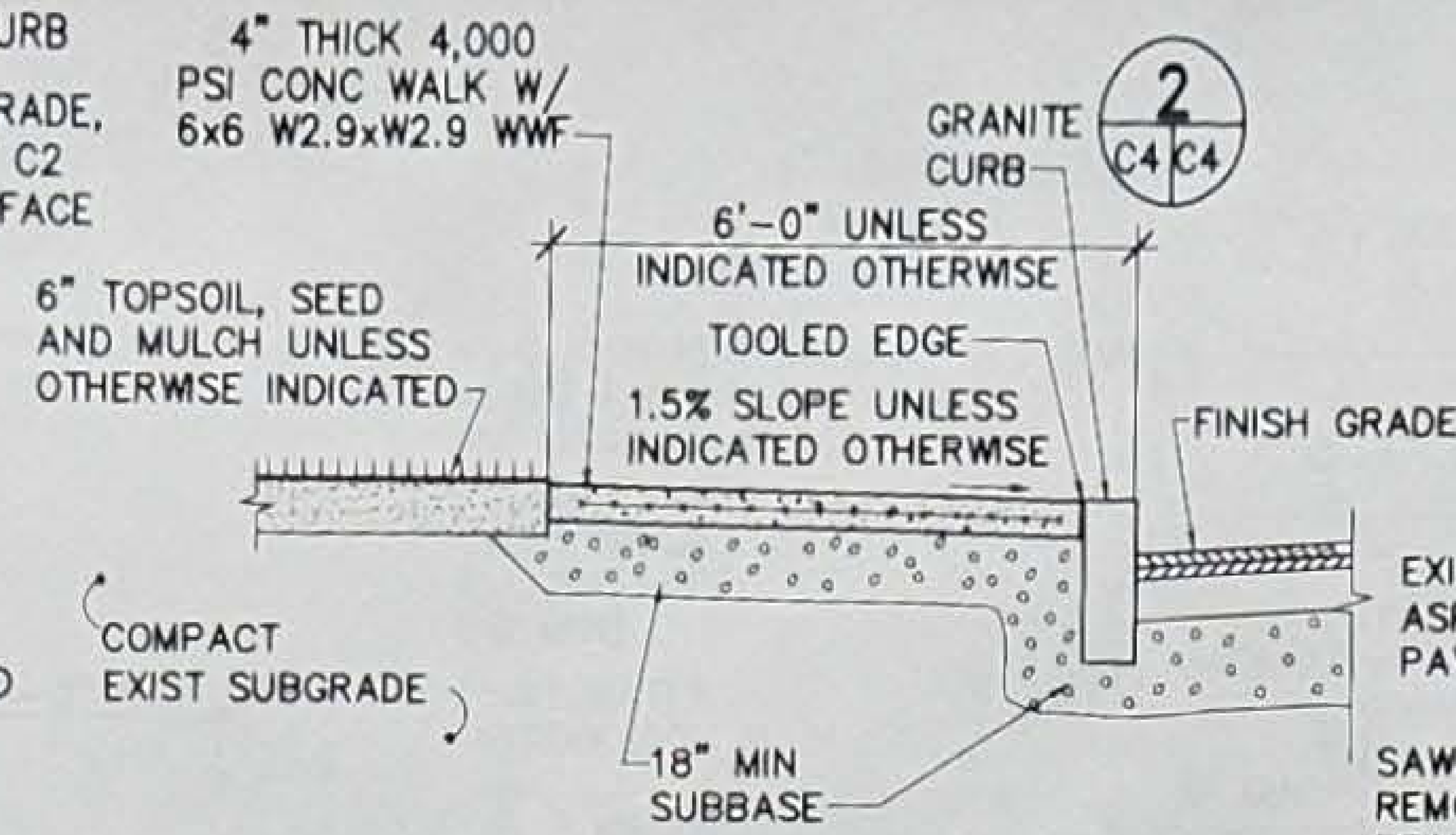


NOTE:
PROVIDE 2 1/2" THICK BINDER COURSE FOR PAVING MILITARY STREET.

1 C2 C4 TYP ASPHALT CONCRETE PAVEMENT SECTION
NOT TO SCALE
C4

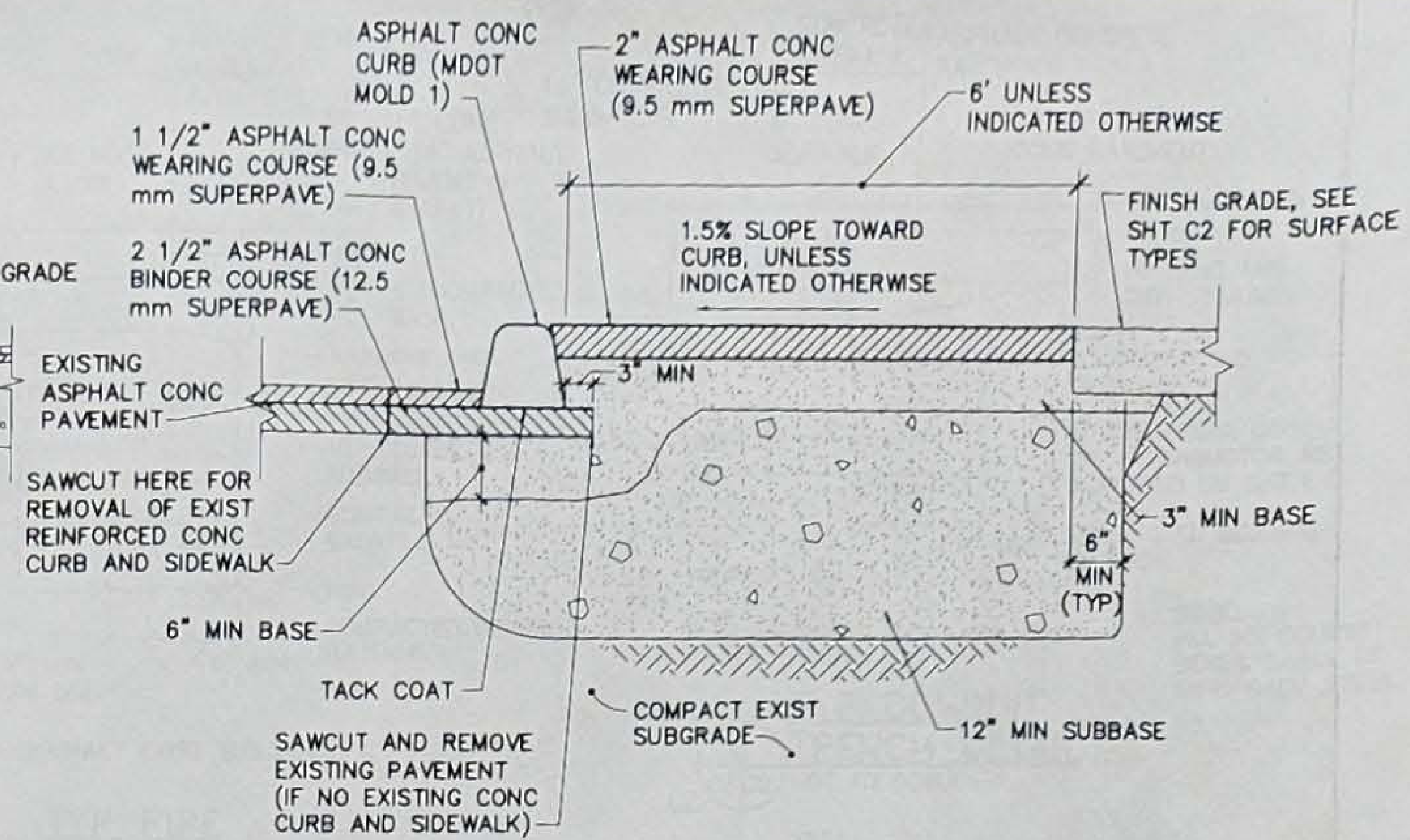


2 C2 C4 TYP GRANITE CURB DETAIL
C3,C4 SCALE: 1"=1'-0"

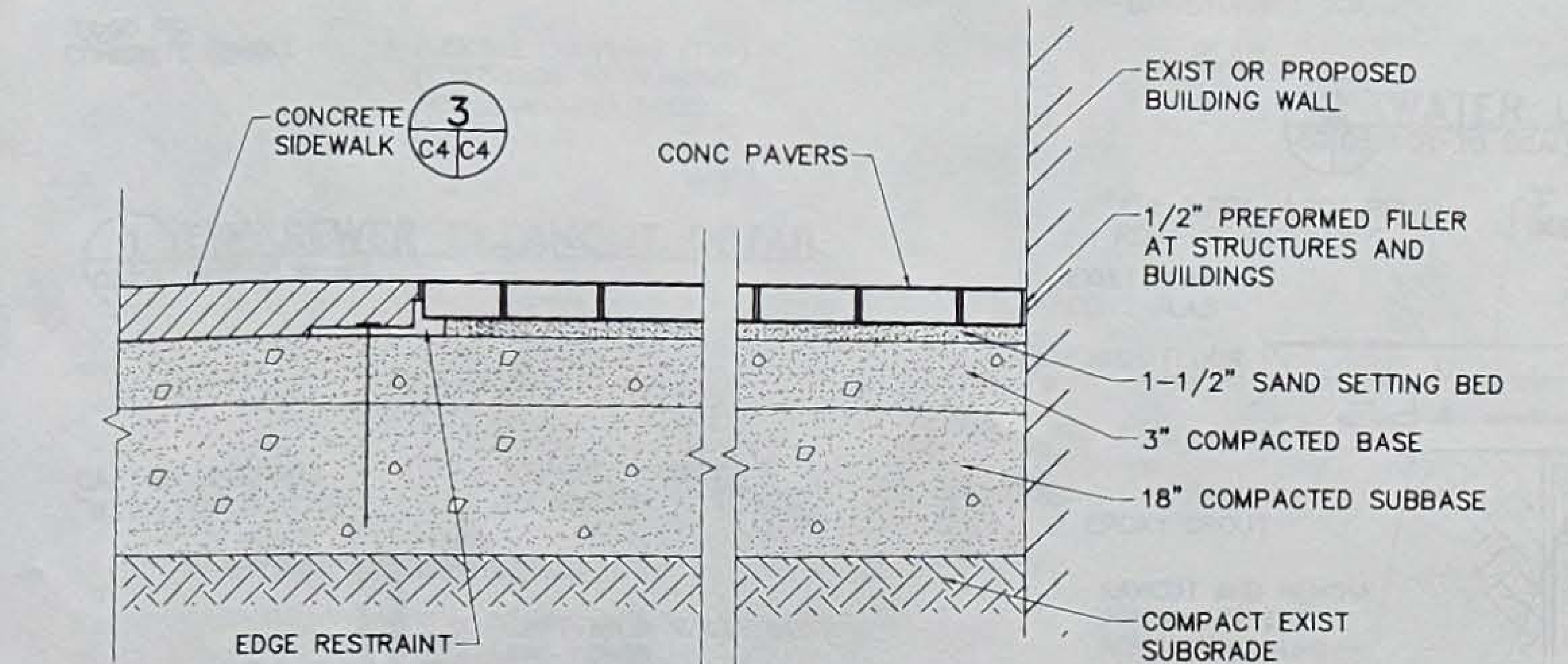


NOTES:
1. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.
2. PROVIDE TOOLED CONTROL JOINTS AT 5-6' ON CENTER, EQUALLY SPACED.
3. PROVIDE 1/2" EXPANSION JOINTS AT 30' ON CENTER. PROVIDE 1'-0" LONG #4 DOWELS 12" ON CENTER WITH EXPANSION JOINTS.

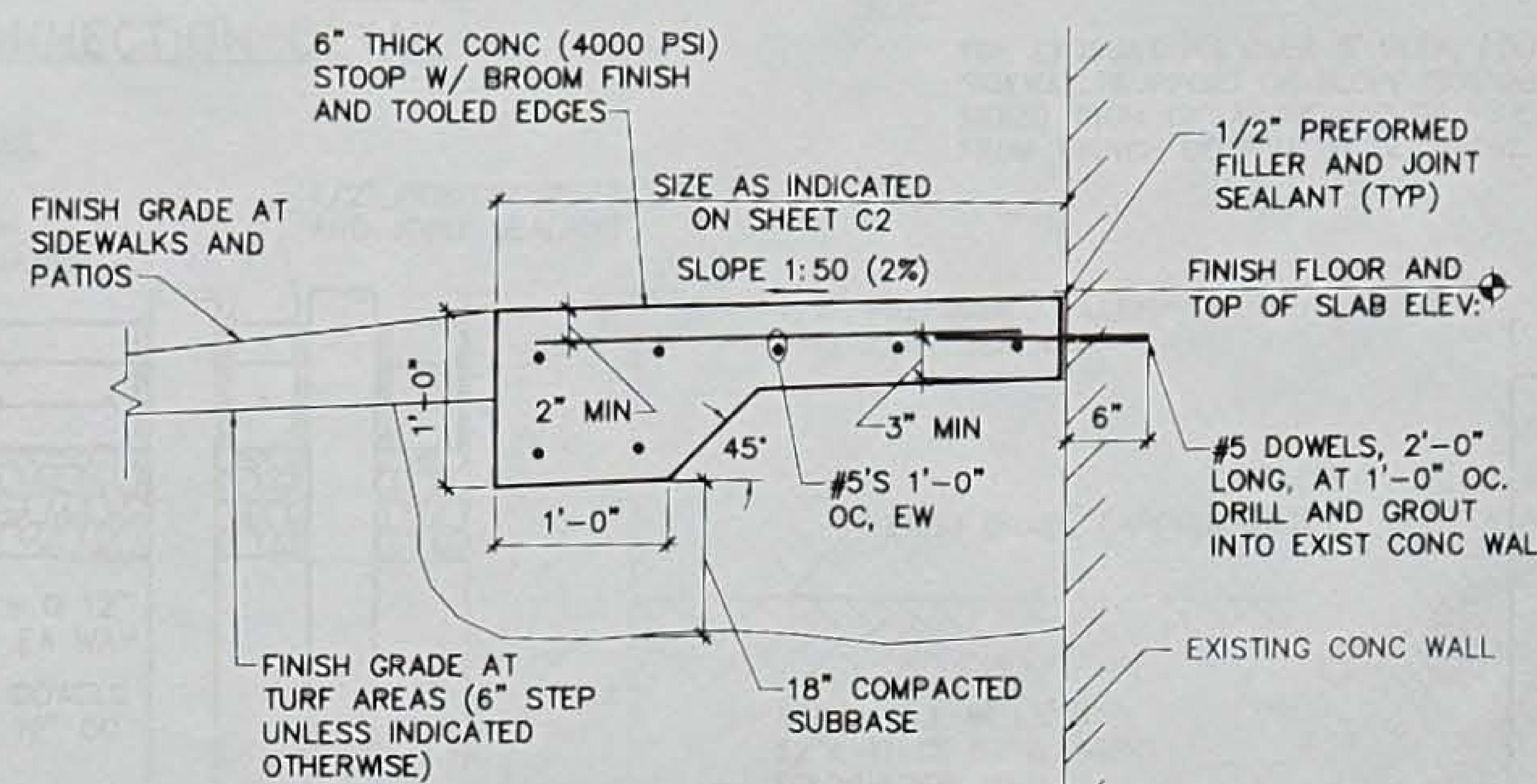
3 C2 C4 TYPICAL CONCRETE WALK DETAIL
C4 NOT TO SCALE



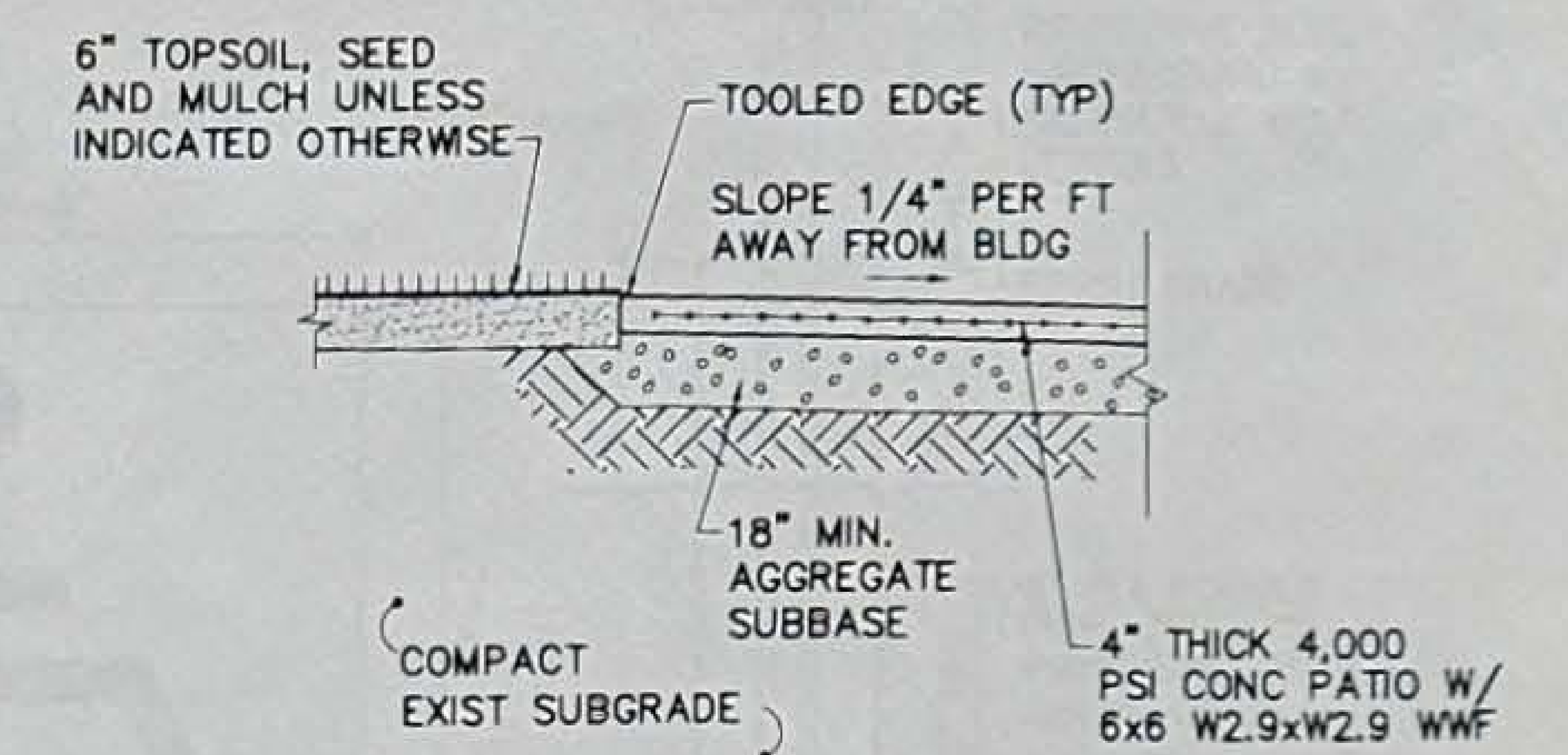
4 C2 C4 TYP ASPHALT CONCRETE CURB AND SIDEWALK
NOT TO SCALE



5 C2 C4 TYP UNIT PAVER DETAIL
S6 SCALE: 1"=1'-0"

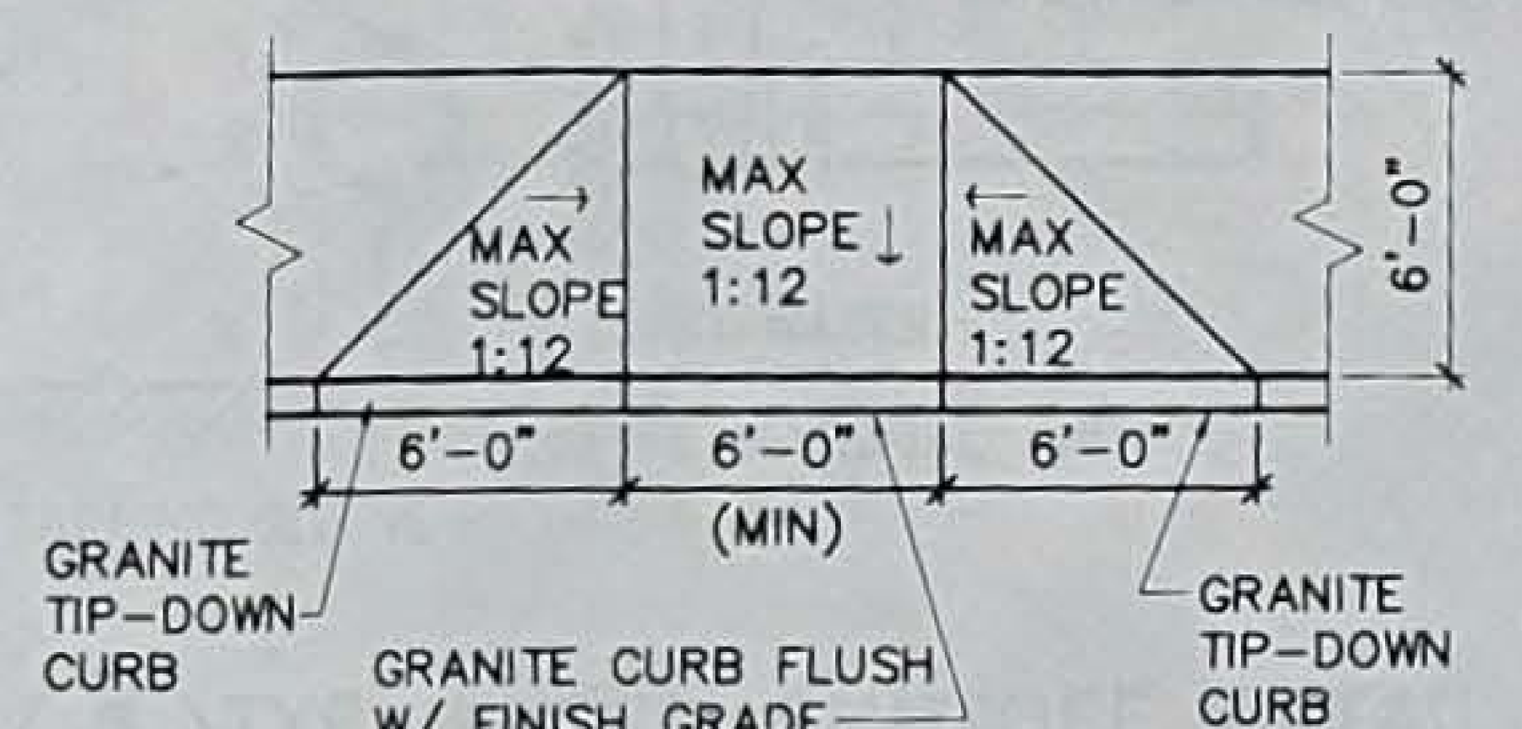


6 C2 C4 TYP CONCRETE STOOP DETAIL
NOT TO SCALE

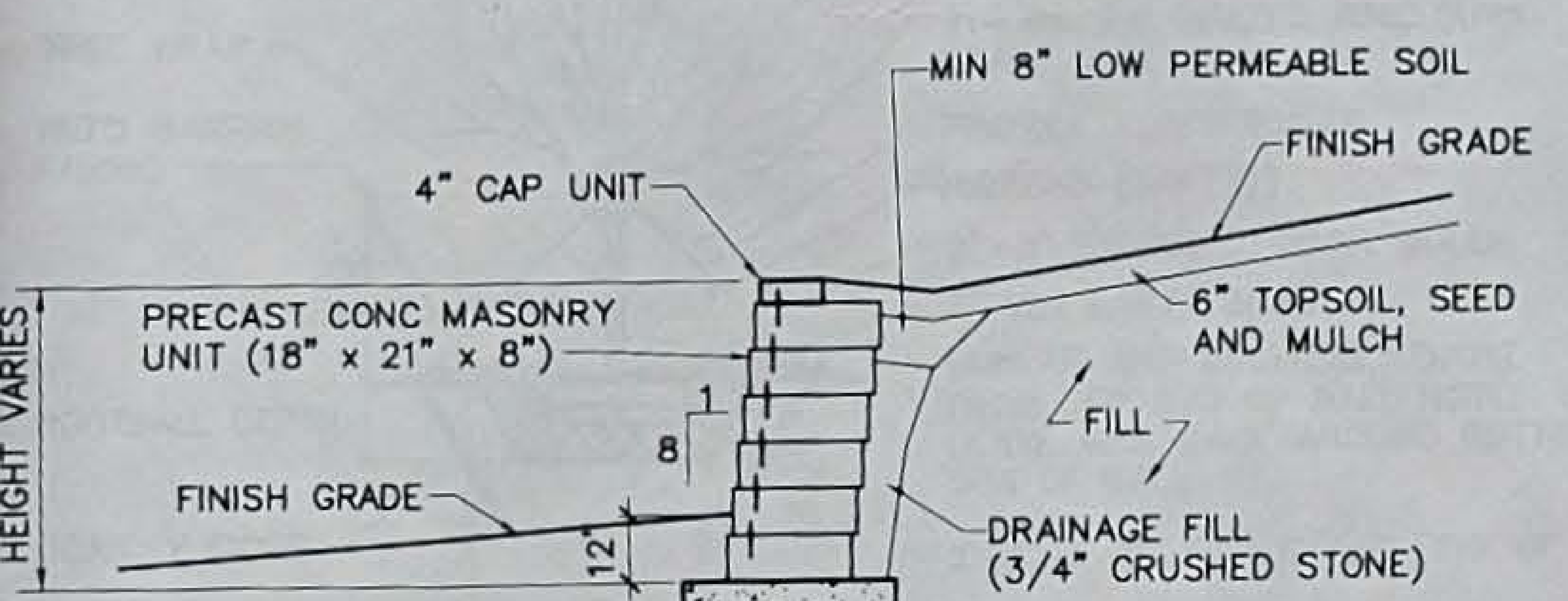


NOTES:
1. PROVIDE MEDIUM BROOM FINISH.
2. PROVIDE TOOLED CONTROL JOINTS AT 5' ON CENTER, EACH WAY.

7 C2 C4 TYPICAL CONCRETE PATIO DETAIL
NOT TO SCALE

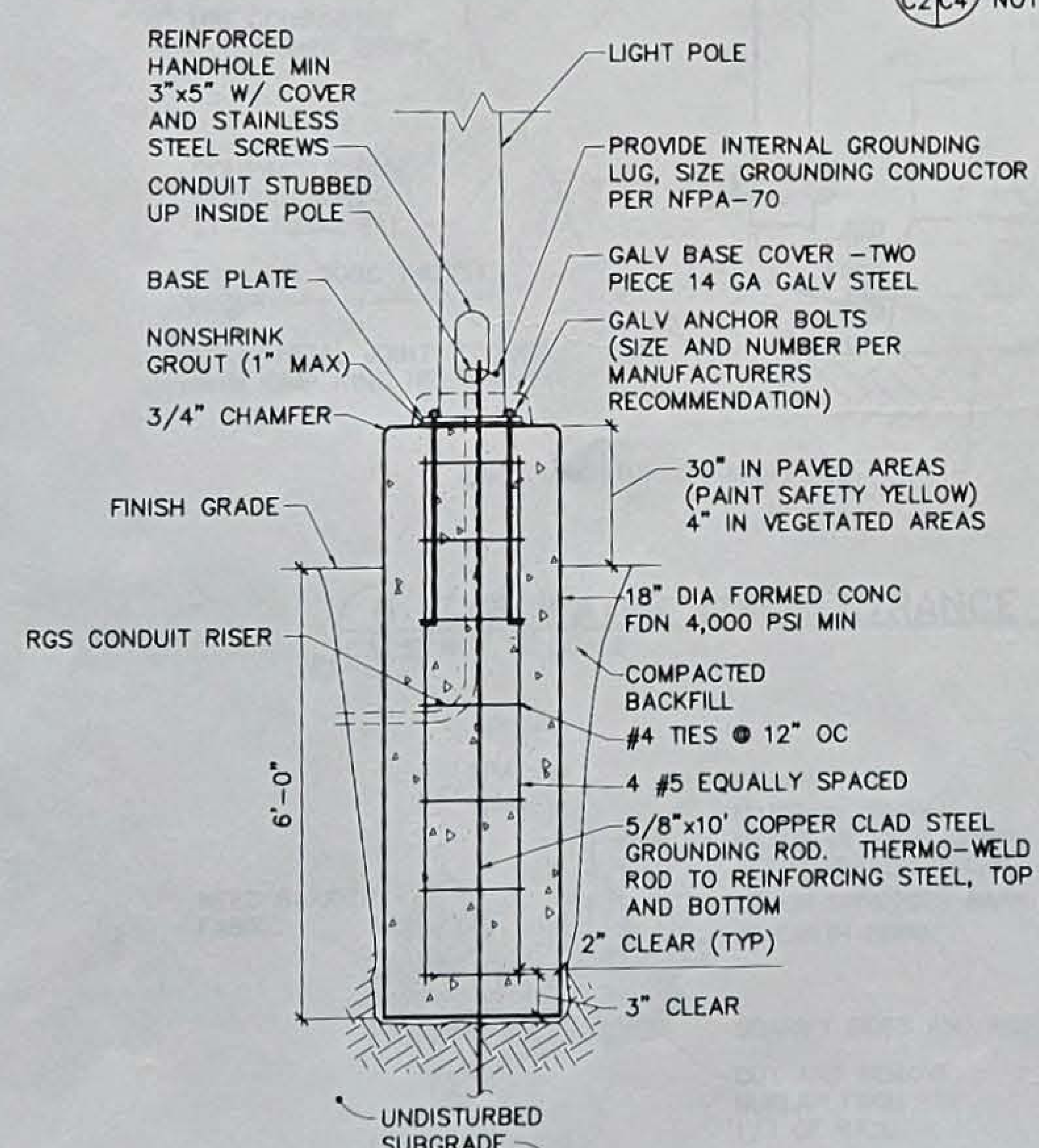


8 C2 C4 HANDICAPPED ACCESSIBLE CURB CUT DETAIL
SCALE: 1/4"=1'-0"

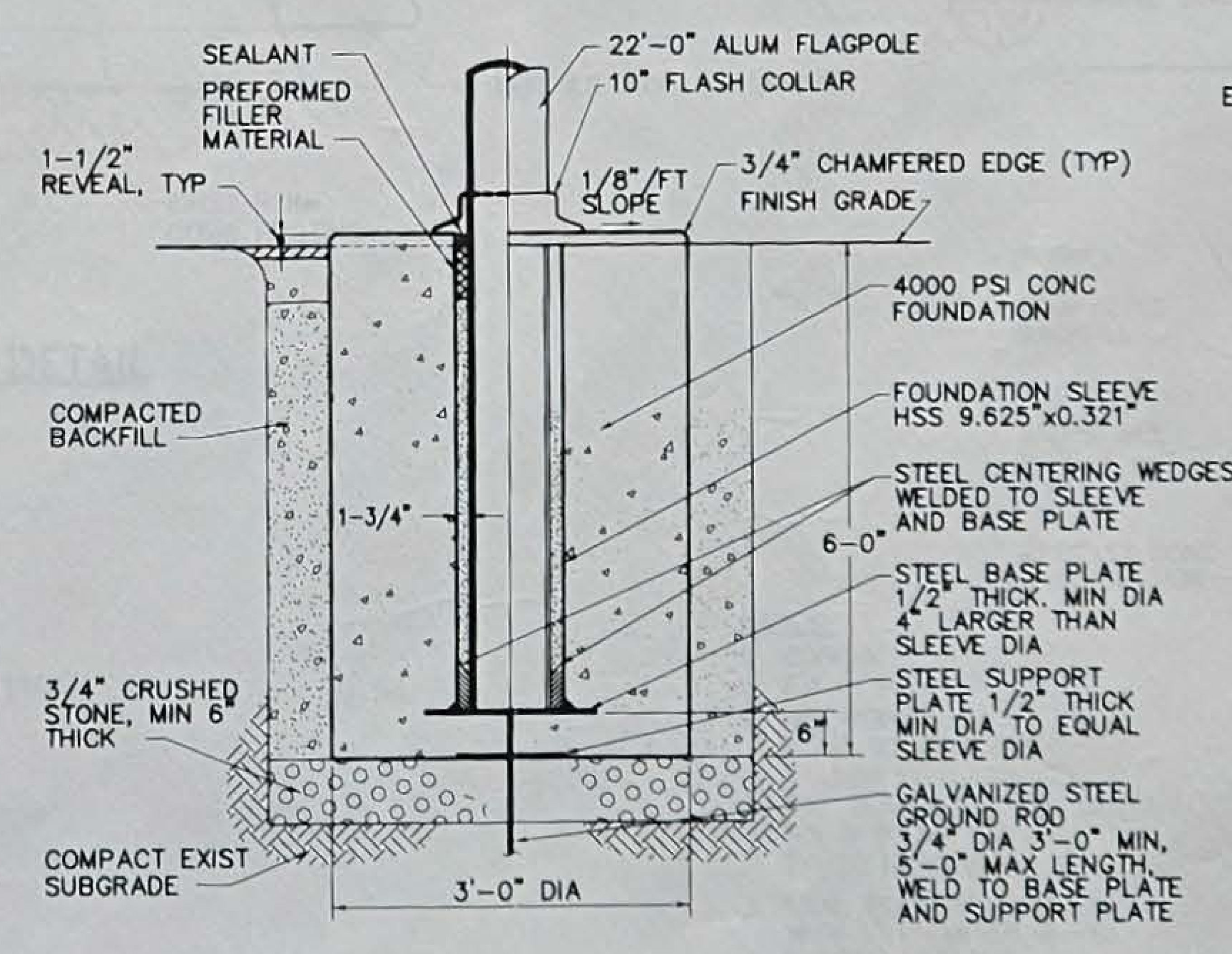


NOTE: INSTALL PRECAST CONCRETE RETAINING WALLS IN CONFORMANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

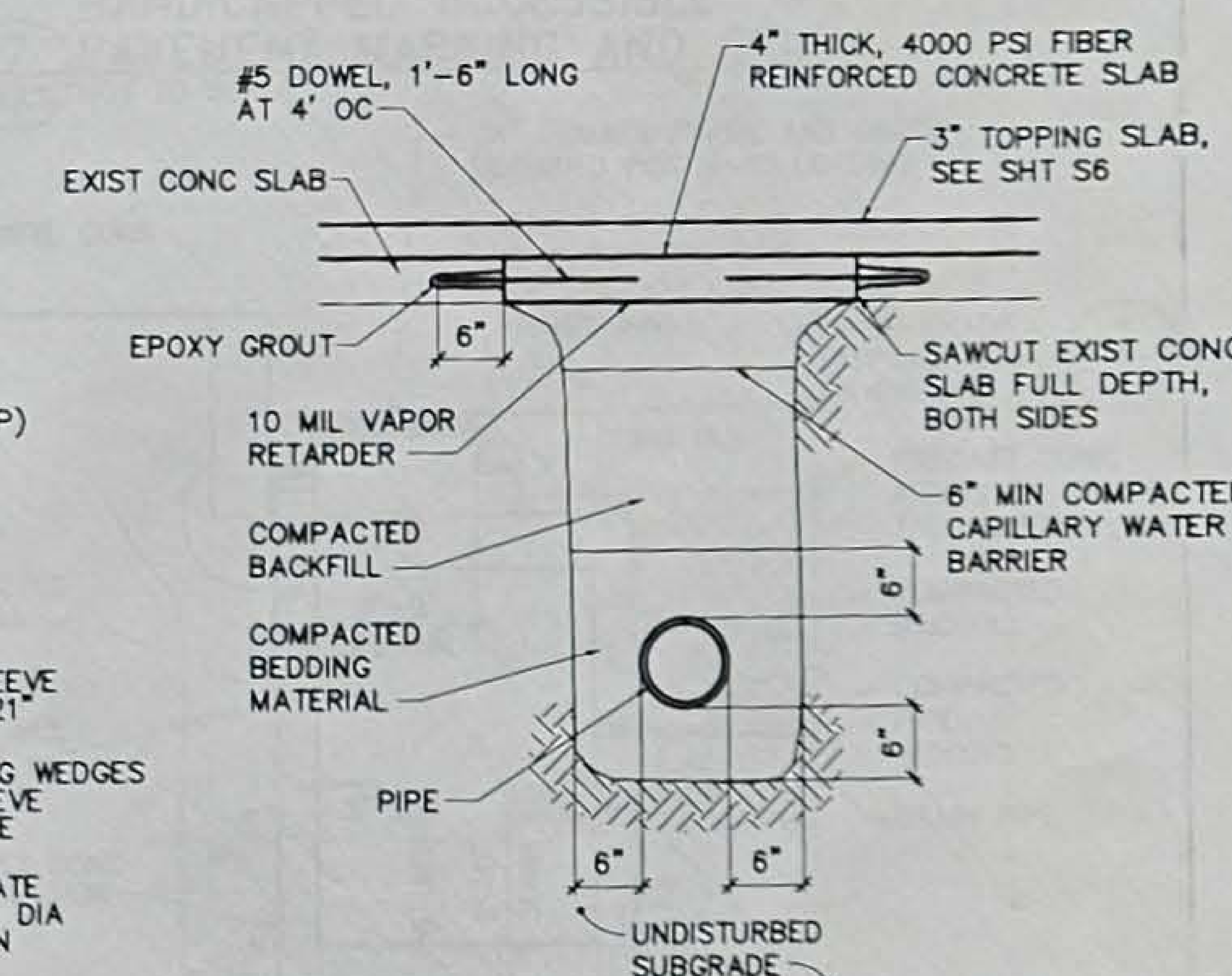
9 C2 C4 TYP SEGMENTAL RETAINING WALL DETAIL
NOT TO SCALE



10 C3 C4 TYP LIGHT POLE/CONC FOUNDATION
NOT TO SCALE

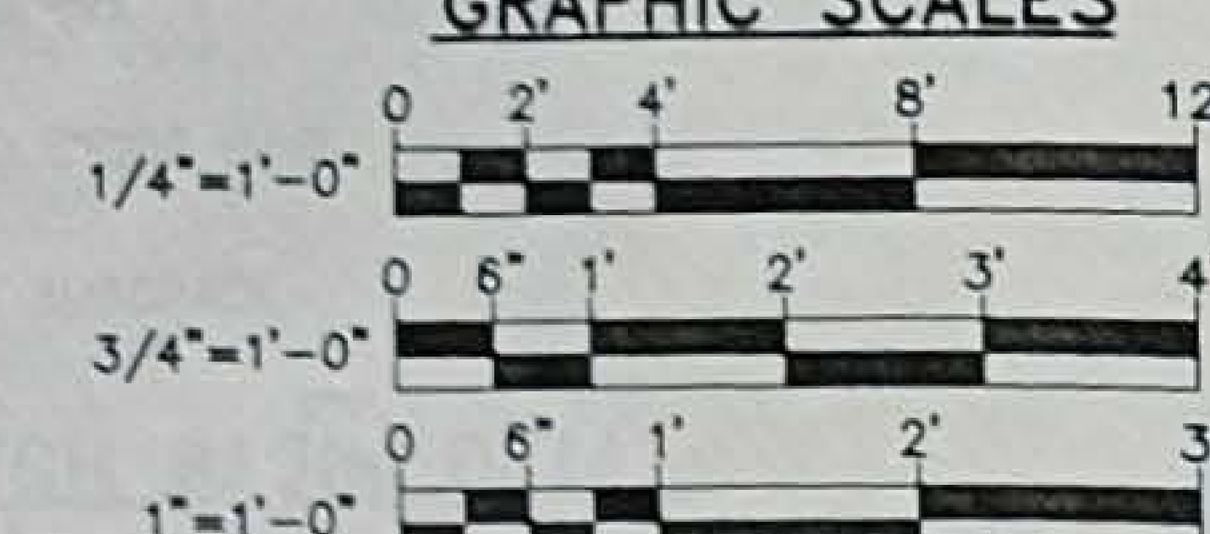


11 C2 C4 FLAGPOLE FOUNDATION DETAIL
SCALE: 1/4"=1'-0"



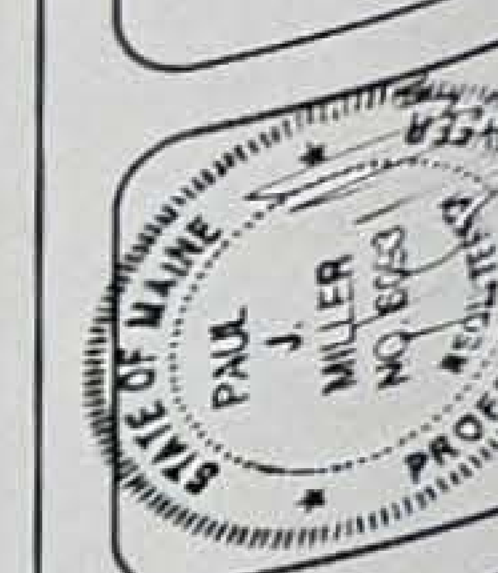
12 P1 C4 TYP PIPE TRENCH INSIDE BUILDING
NOT TO SCALE

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE



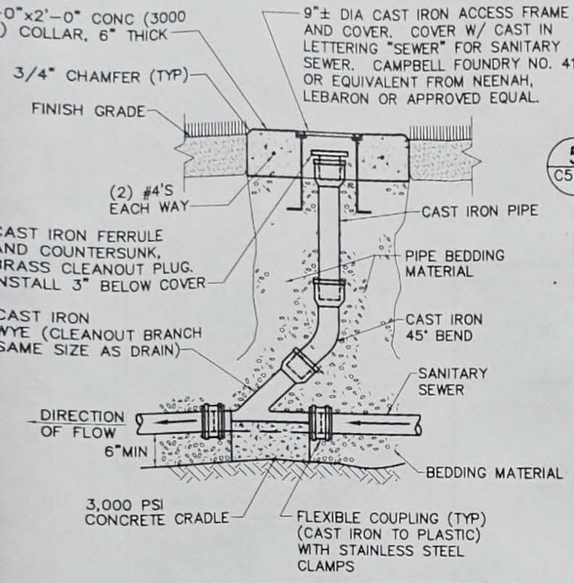
UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER

DATE: 10/20/00
DESIGN: PJM
DRAWN: JLL
CHECKED: JLG
SCALE: AS NOTED

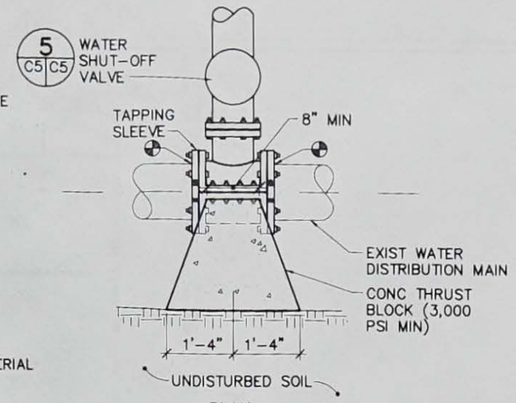
SITE DETAILS

C4
5 OF

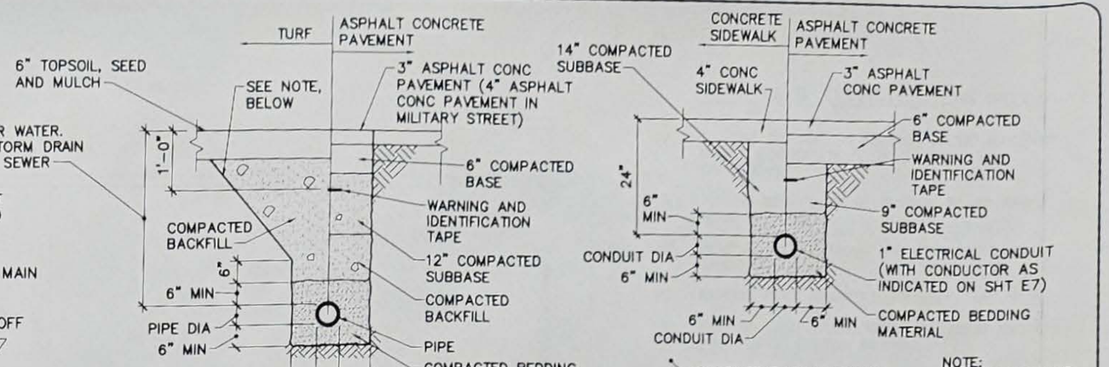
99014.04-13.dwg 101800 44859



1 TYP SEWER CLEANOUT DETAIL
C3 C5 NOT TO SCALE



2 WATER LINE CONNECTION DETAIL
C3 C5 NOT TO SCALE

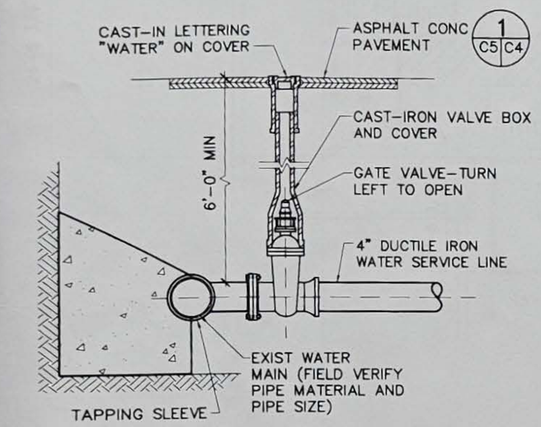


3 TYP PIPE TRENCH DETAIL
C2 C5 NOT TO SCALE

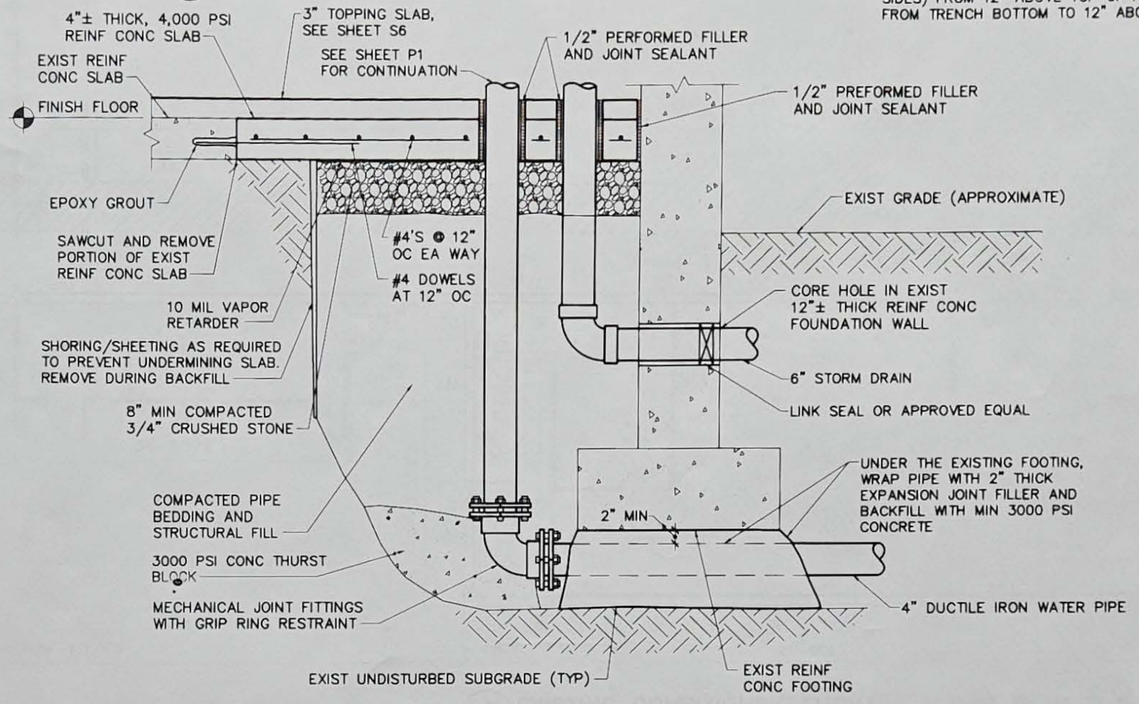
NOTE:
FOR EXCAVATIONS OVER 5' DEEP, PROVIDE TEMPORARY SIDEWALL SUPPORT OR SLOPE SIDEWALLS 1.5H TO 1V, MAX, (BOTH SIDES) FROM 12" ABOVE TOP OF PIPE. SIDEWALLS SHALL BE VERTICAL FROM TRENCH BOTTOM TO 12" ABOVE TOP OF PIPE.

NOTE:
ALL 90° CONDUIT BENDS SHALL BE RIGID GALV STEEL

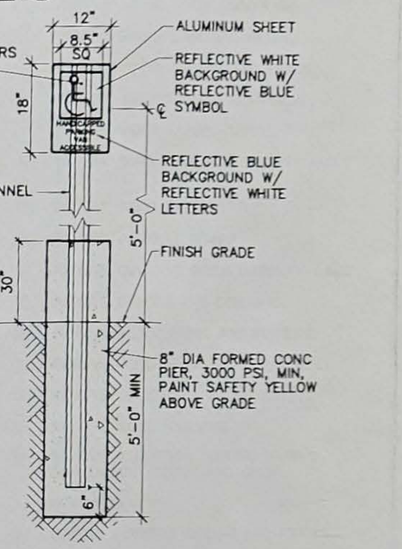
4 TYP CONDUIT TRENCH DETAIL
C2 C3 C5 NOT TO SCALE



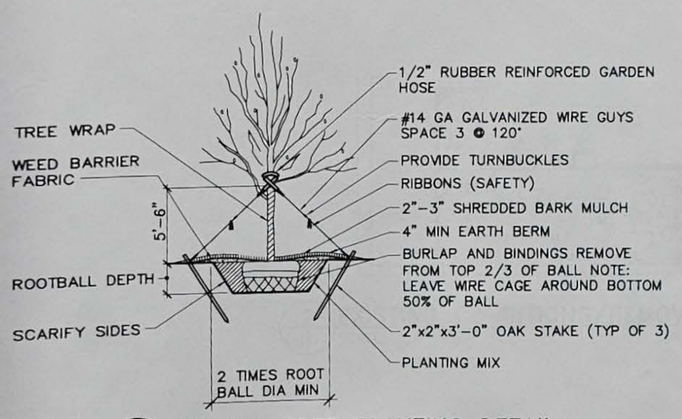
5 TYP WATER SHUTOFF DETAIL
C5 C3 C5 NOT TO SCALE



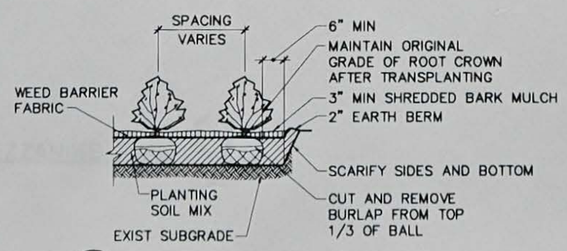
6 TYP WATER LINE ENTRANCE DETAIL
P1 C3 C5 NOT TO SCALE



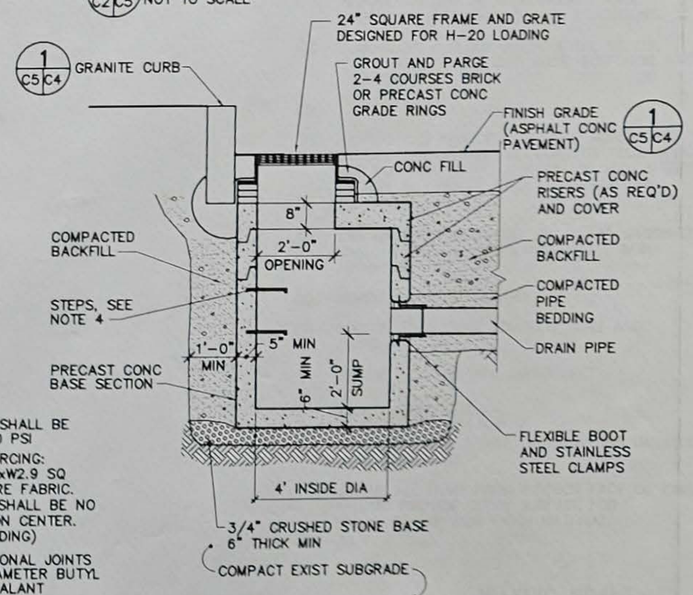
7 HANDICAPPED ACCESSIBLE PAVEMENT MARKING AND SIGN
C2 C5 NOT TO SCALE



8 TYPICAL TREE PLANTING DETAIL
C2 C5 NOT TO SCALE



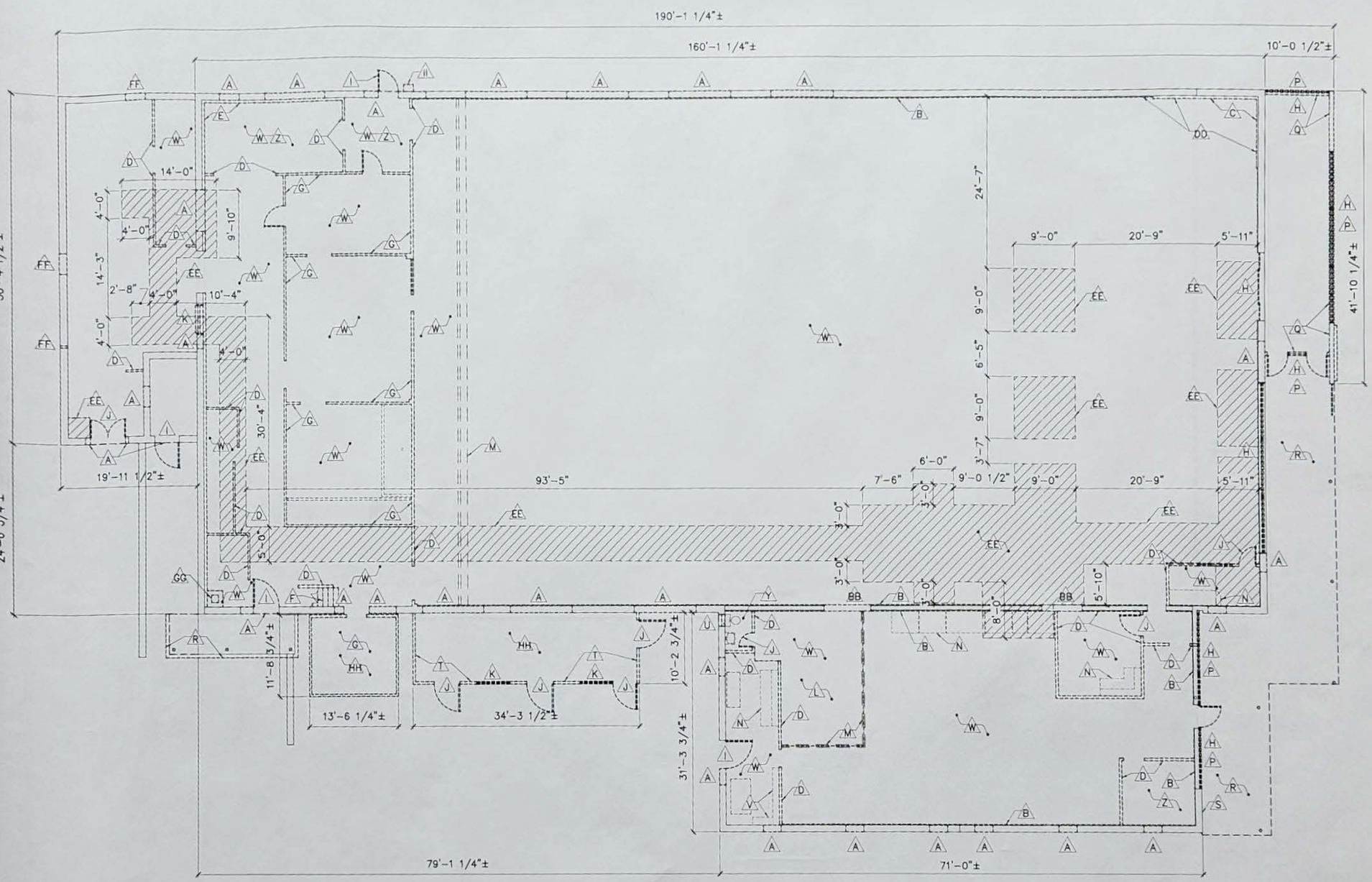
9 TYP SHRUB PLANTING DETAIL
C2 C5 NOT TO SCALE



NOTES:
1. CONCRETE SHALL BE F'c = 4000 PSI
2. MIN REINFORCING: 4"x4" W2.9xW2.9 SQ WELDED WIRE FABRIC. TOP SLAB SHALL BE NO 5'S @ 8" ON CENTER. (H-20 LOADING)
3. SEAL SECTIONAL JOINTS WITH 1" DIAMETER BUTYL RUBBER SEALANT
4. PROVIDE STEPS AT 12" ON CENTER FOR BASINS OVER 5' DEEP

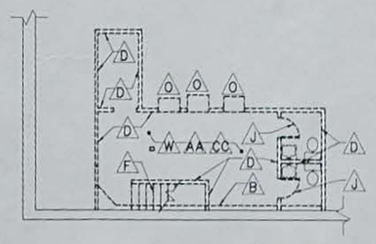
10 TYP CATCH BASIN DETAIL
C3 C5 NOT TO SCALE

DATE: 10/20/00



1 D1D1 EXISTING CONDITIONS/REMOVALS FLOOR PLAN
SCALE: 1/8"=1'-0"

PLAN NORTH



2 D1D1 EXISTING CONDITIONS/REMOVALS MEZZANINE PLAN
SCALE: 1/8"=1'-0"

PLAN NORTH

REMOVALS KEYNOTES: (THIS SHEET ONLY)

A. SAWCUT AND REMOVE SECTION OF 12" MASONRY WALL. COORDINATE OPENING WITH NEW CONDITIONS.

B. REMOVE WOOD FURRING, GYPSUM BOARD AND WOOD PANELING.

C. REMOVE WOOD FRAMING AND GYPSUM BOARD CHASE.

D. REMOVE WOOD FRAMED PARTITION.

E. REMOVE WOOD STUDS, RIGID INSULATION AND VINYL SHEET GYPSUM BOARD.

F. REMOVE WOOD FRAMED STAIR.

G. REMOVE COOLER INCLUDING WALL PANELS, DOORS AND CEILING PANELS.

H. REMOVE ALUMINUM STOREFRONT.

I. REMOVE METAL DOOR AND FRAME.

J. REMOVE WOOD DOOR AND FRAME.

K. REMOVE METAL LOUVER AND FRAME.

L. REMOVE WOOD FRAMED PLATFORM.

M. REMOVE WOOD FRAMED SOFFIT.

N. REMOVE WOOD COUNTER, DIVIDERS AND SUPPORTS.

O. REMOVE WOOD CABINET.

P. REMOVE PARTICLE BOARD.

Q. REMOVE CMU AND BRICK MASONRY WALL.

R. REMOVE CANOPY AND COLUMNS.

S. REMOVE METAL SIDING AND FURRING.

T. REMOVE WOOD FRAMED EXTERIOR WALL.

U. REMOVE WINDOW.

V. REMOVE WOOD SHELVING.

W. REMOVE ACOUSTICAL CEILING PANELS, SUSPENSION SYSTEM AND GRID.

X. NOT USED.

Y. REMOVE PLYWOOD CEILING AND FRAMING.

Z. REMOVE GYPSUM BOARD CEILING AND FRAMING.

AA. REMOVE VINYL COMPOSITION TILES.

BB. REMOVE SECTION OF WOOD FRAMED WALL. COORDINATE OPENING WITH NEW CONDITIONS.

CC. REMOVE WOOD FLOOR JOISTS, STEEL BEAMS, STEEL ANGLES, THREADED RODS, SUBFLOOR AND UNDERLAYMENT.

DD. REMOVE CERAMIC WALL TILE.

EE. SAWCUT AND REMOVE SECTION OF REINFORCED CONCRETE SLAB AND EXCAVATE FOR FOUNDATION AND PLUMBING WORK. COORDINATE WITH SHEETS S2 AND P1. REPAIR SLAB AS DETAILED ON 7/S6.

FF. SAWCUT AND REMOVE SECTION OF 12" MASONRY WALL. COORDINATE WITH MECHANICAL WORK SHOWN ON SHEET M2.

GG. REMOVE MASONRY CHIMNEY.

HH. REMOVE REINFORCED CONCRETE SLAB AND FOUNDATION WALL.

II. REMOVE PLYWOOD PIPE ENCLOSURE.

DRAWING NOTES:

1. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE.
2. REMOVE ALL ITEMS FROM INTERIOR FACE OF CMU WALL TO PROVIDE CLEAN SURFACE FOR APPLICATION OF NEW FINISH MATERIAL.

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

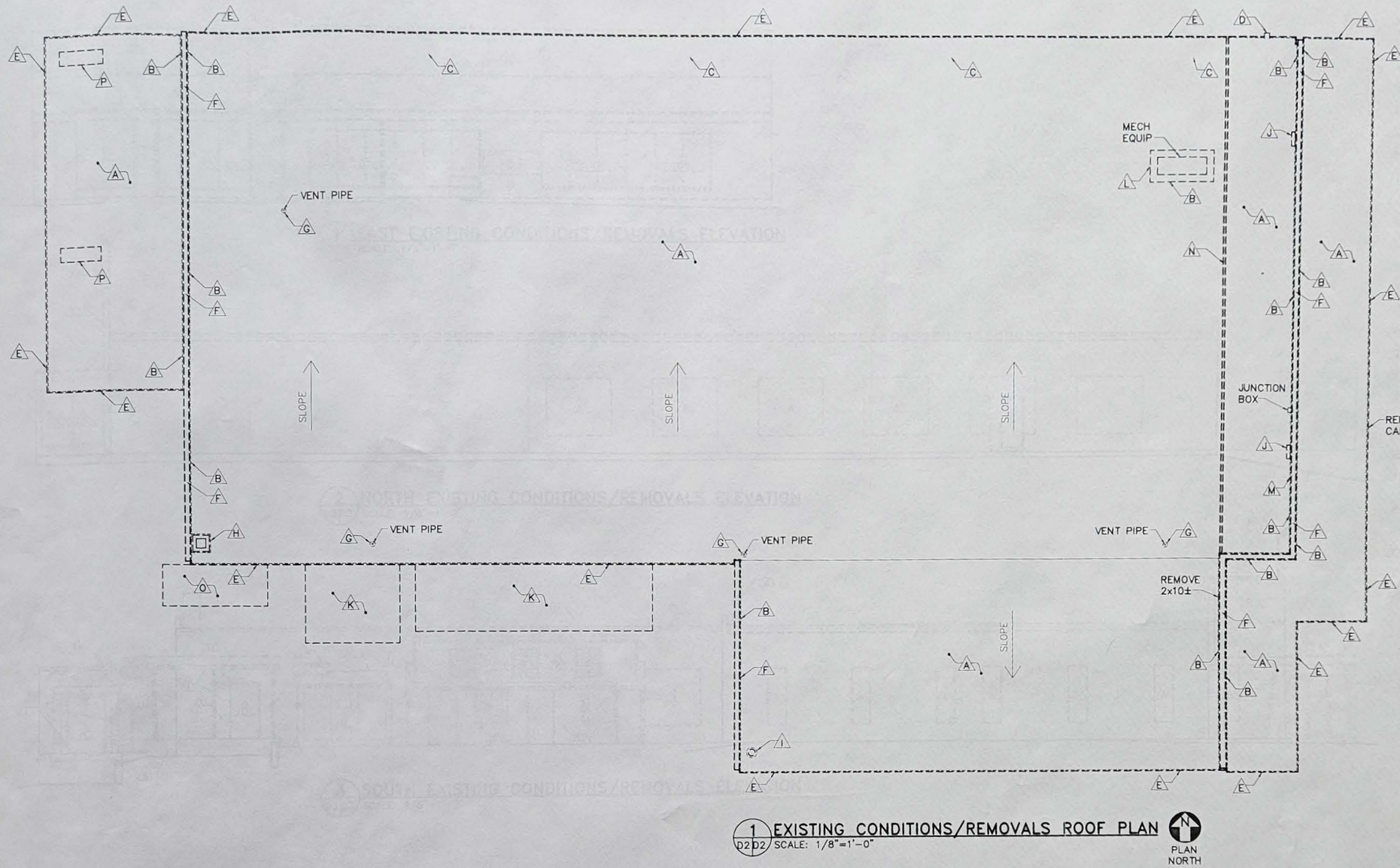
LICENSED ARCHITECT DONALD RICHARD DRIVER NO. 4824

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DRD
DRAWN:	DEM
CHECKED:	DRD
SCALE:	AS NOTED
JOB:	9914.04

EXISTING CONDITIONS/ REMOVALS FLOOR PLAN

D1



1 D2 D2 EXISTING CONDITIONS/REMOVALS ROOF PLAN
SCALE: 1/8"=1'-0"

REMOVALS KEYNOTES: (THIS SHEET ONLY)

- A REMOVE BUILT-UP ROOFING AND INSULATION.
- B REMOVE FLASHING.
- C REMOVE ROOF DRAIN AND FLASHING.
- D REMOVE ROOF SCUPPER AND FLASHING.
- E REMOVE METAL FLASHING AND TRIM.
- F REMOVE METAL COPING AND WOOD NAILERS.
- G REMOVE FLASHING AROUND ROOF PENETRATION.
- H REMOVE BRICK CHIMNEY AND FLASHING.
- I REMOVE METAL CHIMNEY AND FLASHING.
- J REMOVE LIGHT POLE AND LIGHT.
- K REMOVE METAL ROOFING, SHEATHING AND FRAMING.
- L REMOVE ROOF CURB AND MECHANICAL EQUIPMENT.
- M REMOVE MASONRY PARAPET.
- N REMOVE EXPANSION JOINT COVER.
- O REMOVE ASPHALT SHINGLES, SHEATHING AND FRAMING.
- P PROVIDE OPENING IN METAL DECK. COORDINATE WITH MECHANICAL WORK SHOWN ON SHEET M2.

DRAWING NOTES:

1. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE.
2. REMOVE (ABATE) AND DISPOSE ALL EXISTING ASBESTOS CONTAINING MATERIAL AS REQUIRED BY ALL APPLICABLE STATE AND FEDERAL RULES AND GUIDELINES. PROVIDE ABATEMENT WORK PLAN PRIOR TO BEGINNING OF ANY DEMOLITION. KNOWN ASBESTOS CONTAINING MATERIAL CONSIST OF ROOF FLASHING FELT. NOTIFY ARCHITECT IF OTHER ASBESTOS CONTAINING MATERIAL ARE DISCOVERED.
3. COORDINATE REMOVALS OF MASONRY AT TOP OF WALLS WITH DETAILS OF NEW CONDITIONS.

GRAPHIC SCALE
1/8"=1'-0" 0 4' 8' 16' 24'
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

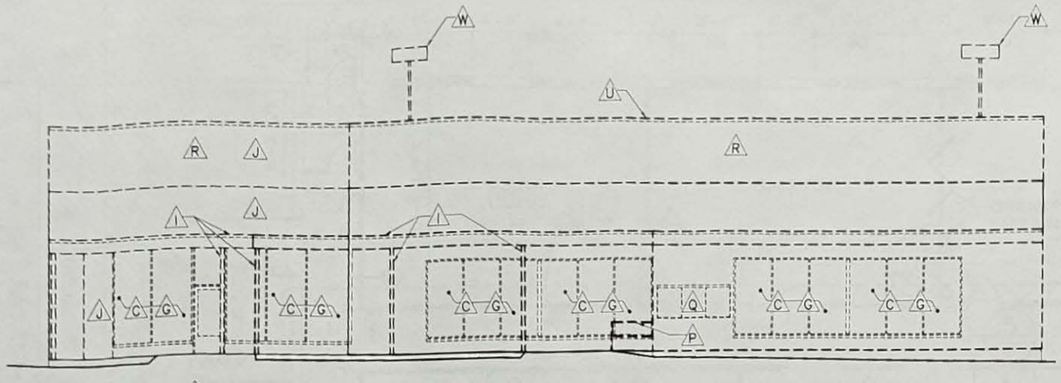
LICENSED ARCHITECT DONALD RICHARD DRIVER NO. 4844

UNIVERSITY OF MAINE
AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

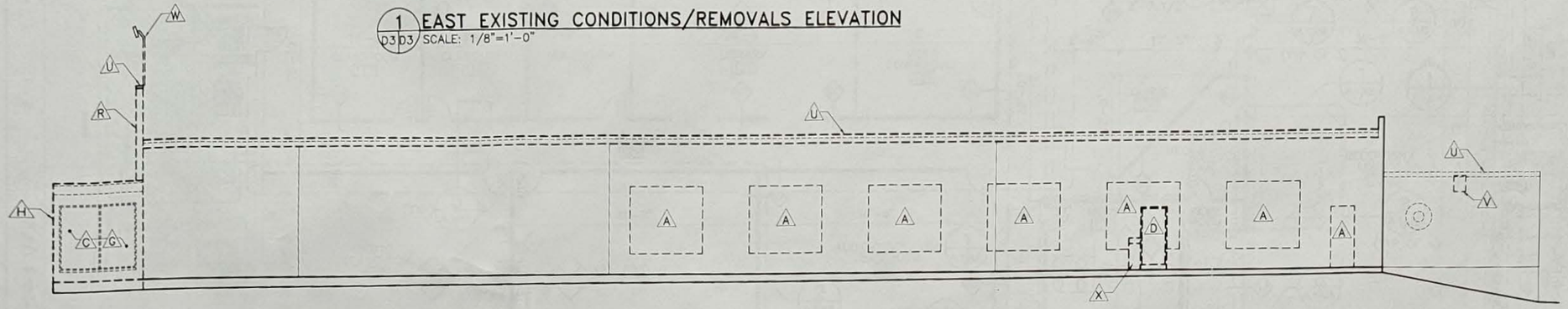
DATE: 10/20/00
DESIGN: DRD
DRAWN: MJC
CHECKED: DRD
SCALE: AS NOTED
JOB: 99014.04

EXISTING CONDITIONS/
REMOVALS ROOF PLAN

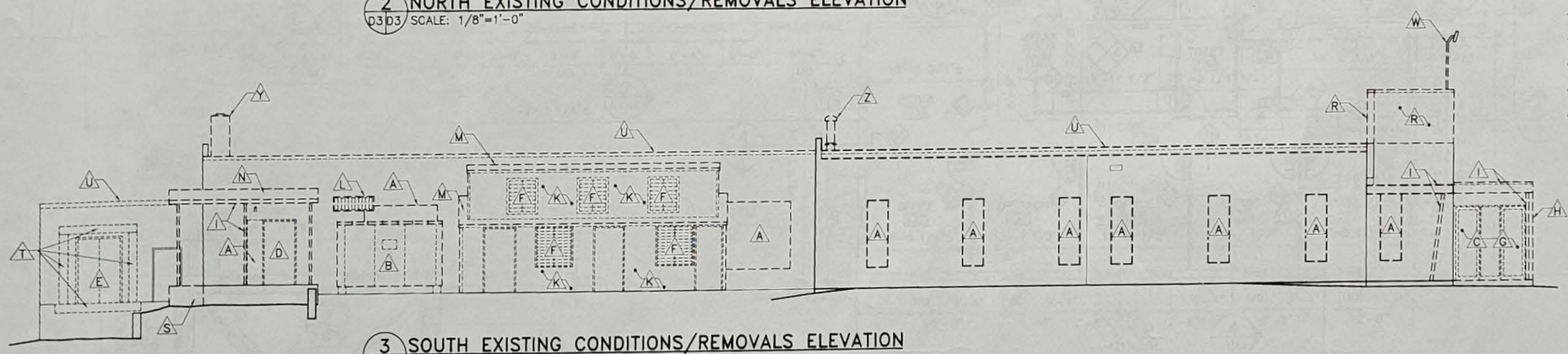
D2
8 OF 40



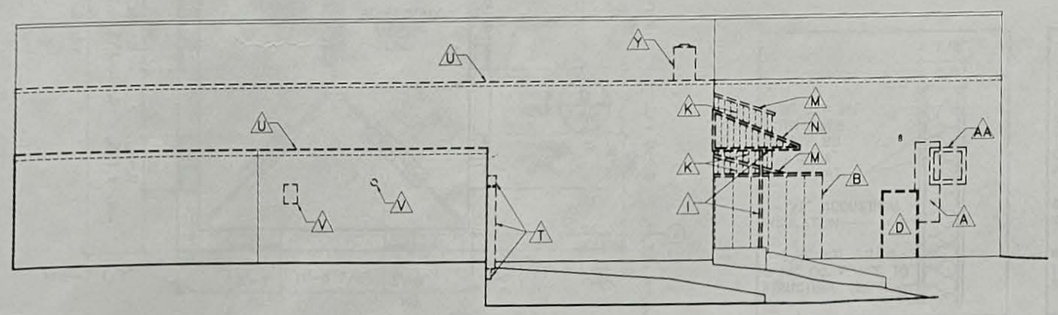
1 D3|D3 EAST EXISTING CONDITIONS/REMOVALS ELEVATION
SCALE: 1/8"=1'-0"



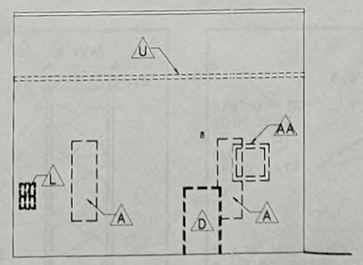
2 D3|D3 NORTH EXISTING CONDITIONS/REMOVALS ELEVATION
SCALE: 1/8"=1'-0"



3 D3|D3 SOUTH EXISTING CONDITIONS/REMOVALS ELEVATION
SCALE: 1/8"=1'-0"



4 D3|D3 WEST EXISTING CONDITIONS/REMOVALS ELEVATION
SCALE: 1/8"=1'-0"



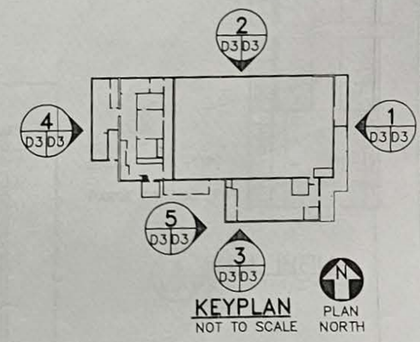
5 D3|D3 WEST EXISTING CONDITIONS/REMOVALS ELEVATION
SCALE: 1/8"=1'-0"

REMOVALS KEYNOTES: (THIS SHEET ONLY)

- A REMOVE SECTION OF 12" CMU WALL. COORDINATE OPENING WITH NEW CONDITIONS.
- B REMOVE COOLER.
- C REMOVE ALUMINUM STOREFRONT.
- D REMOVE METAL DOOR AND FRAME.
- E REMOVE WOOD DOOR AND FRAME.
- F REMOVE METAL LOUVER AND FRAME.
- G REMOVE PARTICLE BOARD.
- H REMOVE CMU AND BRICK MASONRY WALL.
- I REMOVE CANOPY AND COLUMNS.
- J REMOVE METAL SIDING AND FURRING.
- K REMOVE WOOD FRAMED EXTERIOR WALL.
- L REMOVE WINDOW.
- M REMOVE METAL ROOFING AND FRAMING.
- N REMOVE ASPHALT SHINGLE ROOFING AND FRAMING.
- O REMOVE METAL FASCIA.
- P REMOVE METAL RAILING.
- Q REMOVE DISPLAY CASE.
- R REMOVE CMU AND BRICK MASONRY PARAPET.
- S REMOVE PORTION OF CONCRETE LOADING DOCK. COORDINATE WITH NEW CONDITIONS.
- T REMOVE LOADING DOCK BUMPERS AND DOCK SEALS.
- U REMOVE FASCIA.
- V SAWCUT AND REMOVE SECTION OF 12" MASONRY WALL. COORDINATE WITH MECHANICAL DRAWINGS.
- W REMOVE LIGHT POLE AND LIGHT.
- X REMOVE PLYWOOD PIPE ENCLOSURE.
- Y REMOVE BRICK CHIMNEY AND FLASHING.
- Z REMOVE METAL CHIMNEY AND FLASHING.
- AA REMOVE WOOD INFILL AND TRIM.

DRAWING NOTES:

1. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE.
2. COORDINATE REMOVALS OF MASONRY AT TOP OF WALLS WITH DETAILS OF NEW CONDITIONS.
3. REMOVE (ABATE) AND DISPOSE ALL EXISTING ASBESTOS CONTAINING MATERIAL AS REQUIRED BY ALL APPLICABLE STATE AND FEDERAL RULES AND GUIDELINES. PROVIDE ABATEMENT WORK PLAN PRIOR TO BEGINNING OF ANY DEMOLITION. KNOWN ASBESTOS CONTAINING MATERIAL CONSIST OF ROOF FLASHING FELT. NOTIFY ARCHITECT IF OTHER ASBESTOS CONTAINING MATERIAL ARE DISCOVERED.



KEYPLAN NOT TO SCALE — PLAN NORTH

GRAPHIC SCALE
0 4' 8' 16' 24'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

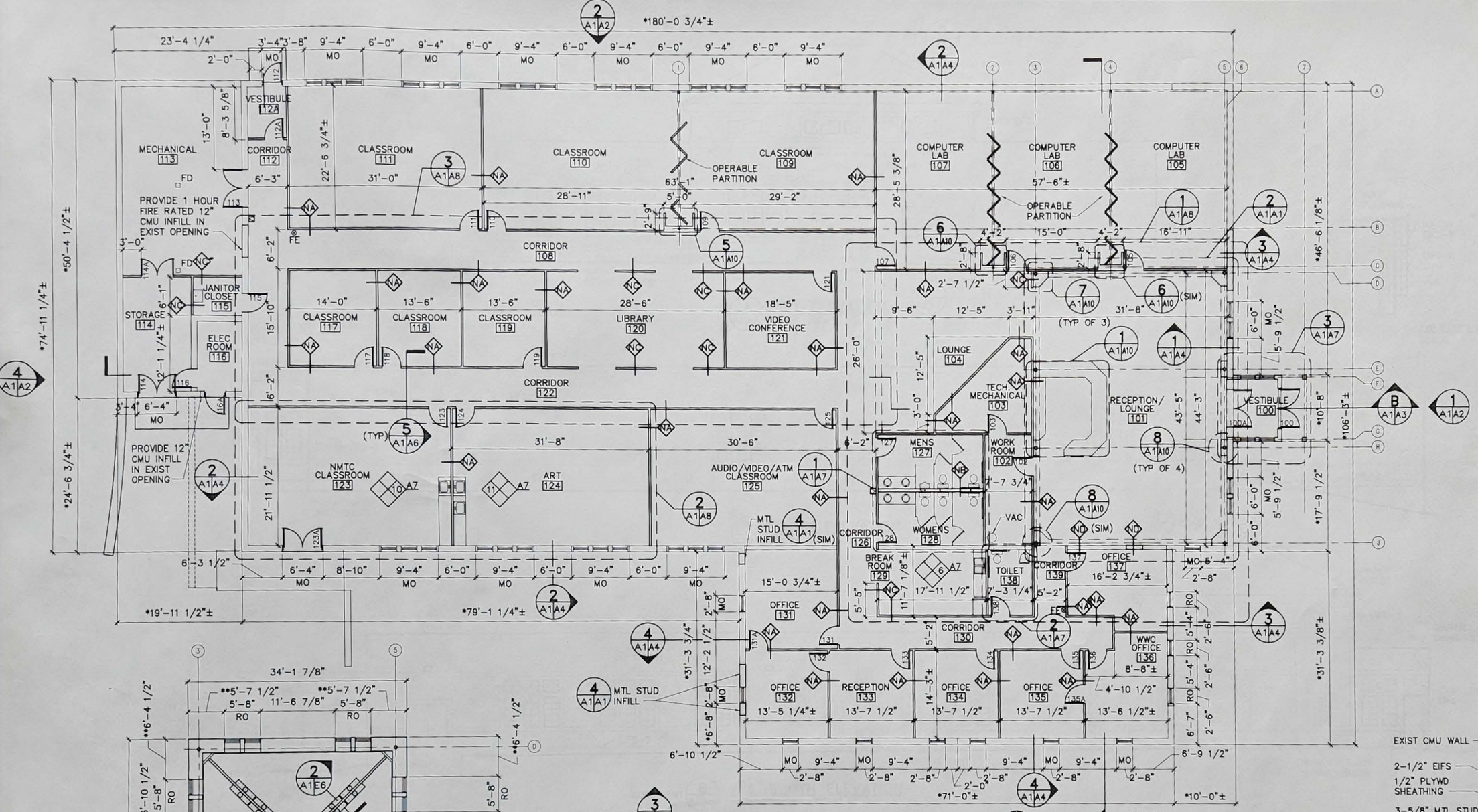
LICENSED ARCHITECT DONALD RICHARD ADWER #AR3211 STATE OF MAINE

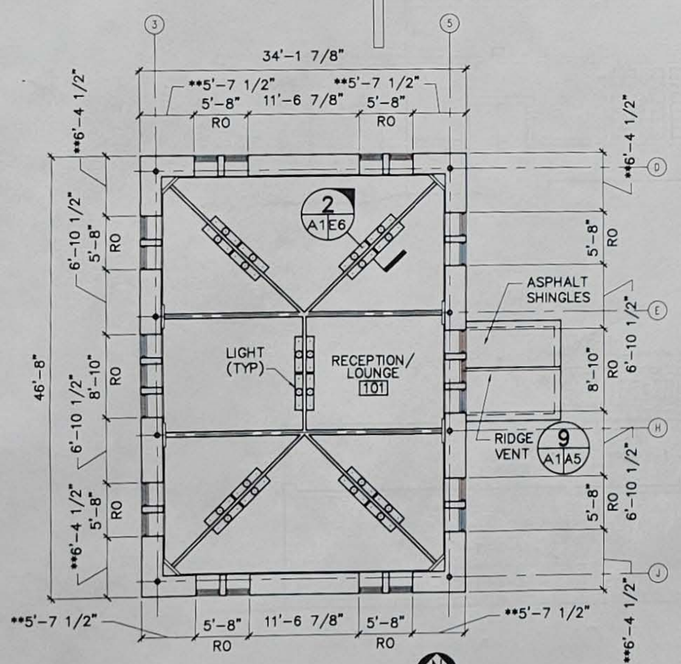
UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DRD
DRAWN:	DEM
CHECKED:	DRD
SCALE:	AS NOTED
JOB:	99014.04

EXISTING CONDITIONS/ REMOVALS EXTERIOR ELEVATIONS

D3





2 CLEARSTORY PLAN
A1|A1 SCALE: 1/8"=1'-0"

PLAN NORTH

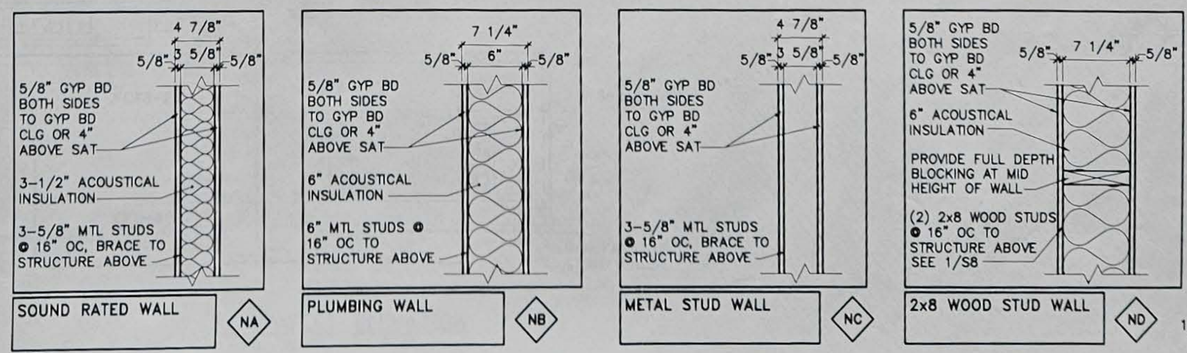
**NOTE:
DIMENSIONS ARE FROM THE FACE OF THE EIFS.

1 FLOOR PLAN
A1|A1 SCALE: 1/8"=1'-0"

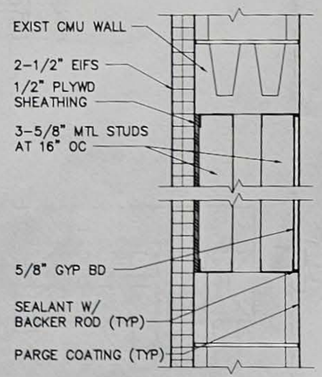
PLAN NORTH

A A1|A3

*NOTE:
DIMENSIONS ARE FROM THE FACE OF THE MASONRY.



3 WALL TYPES
A1|A1 SCALE: 1-1/2"=1'-0"



4 WALL INFILL
A1|A1 SCALE: 1-1/2"=1'-0"

GRAPHIC SCALES
1/8"=1'-0" 0 4' 8' 16' 24'
1-1/2"=1'-0" 0 4" 8" 1' 2'
CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

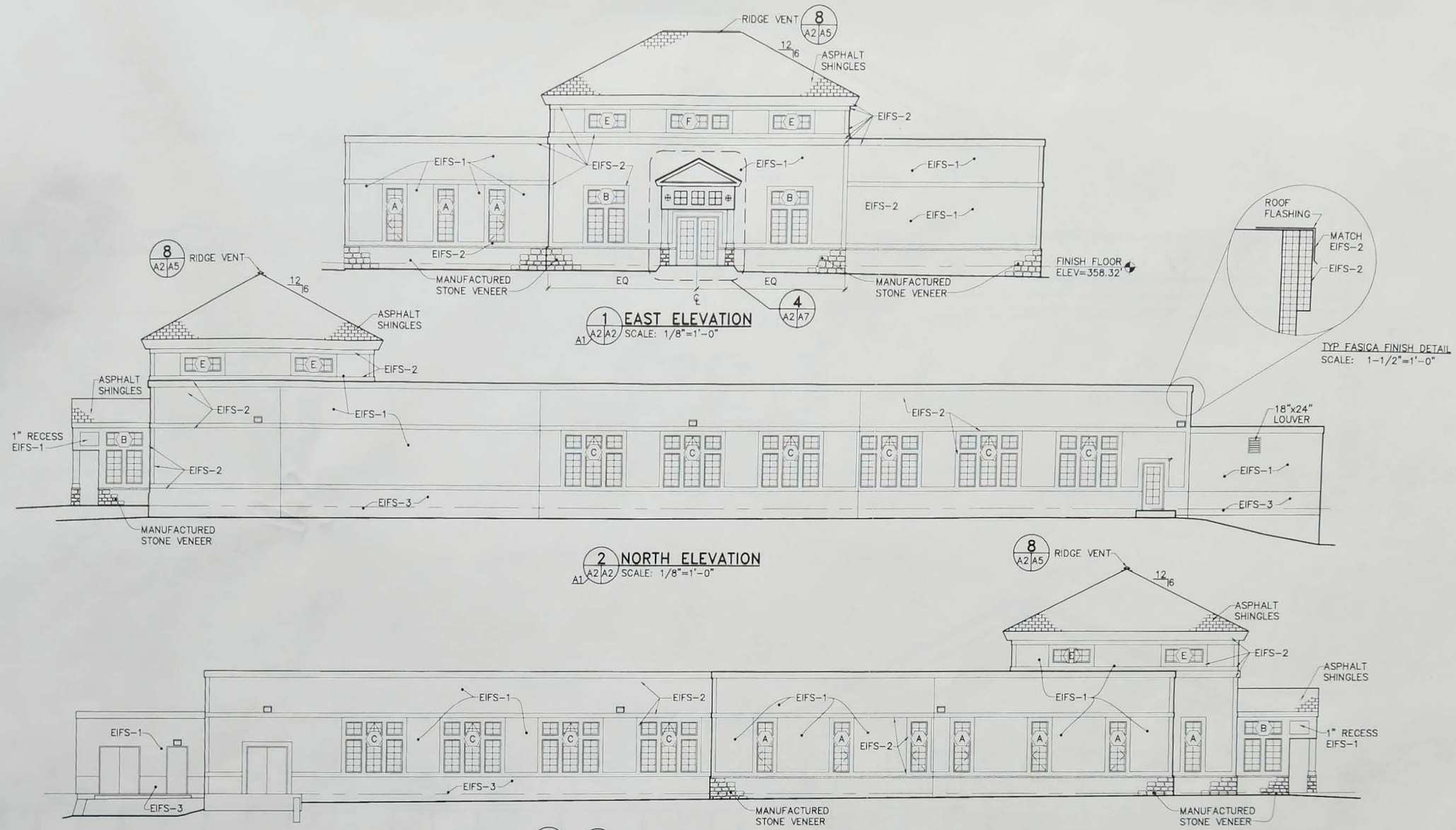
LICENSED ARCHITECT DONALD RICHARD PARKER NO. 4792 STATE OF MAINE

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: DRD
DRAWN: MJC
CHECKED: DRD
SCALE: AS NOTED
JOB: 99014.04

FLOOR PLAN AND WALL TYPES

A1
10 OF 40



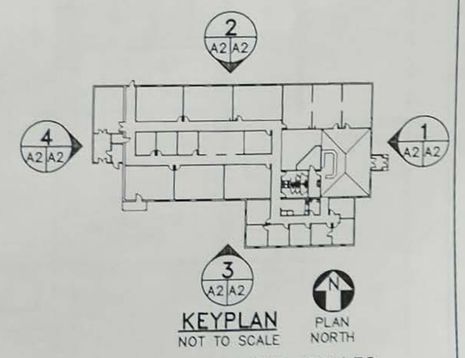
1 A2 A2 EAST ELEVATION
A1 SCALE: 1/8"=1'-0"

TYP FASICA FINISH DETAIL
SCALE: 1-1/2"=1'-0"

2 A2 A2 NORTH ELEVATION
A1 SCALE: 1/8"=1'-0"

3 A2 A2 SOUTH ELEVATION
A1 SCALE: 1/8"=1'-0"

4 A2 A2 WEST ELEVATION
A1 SCALE: 1/8"=1'-0"



GRAPHIC SCALES

1/8"=1'-0" 0 4' 8' 16' 24'

1-1/2"=1'-0" 0 4" 8" 1' 2'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

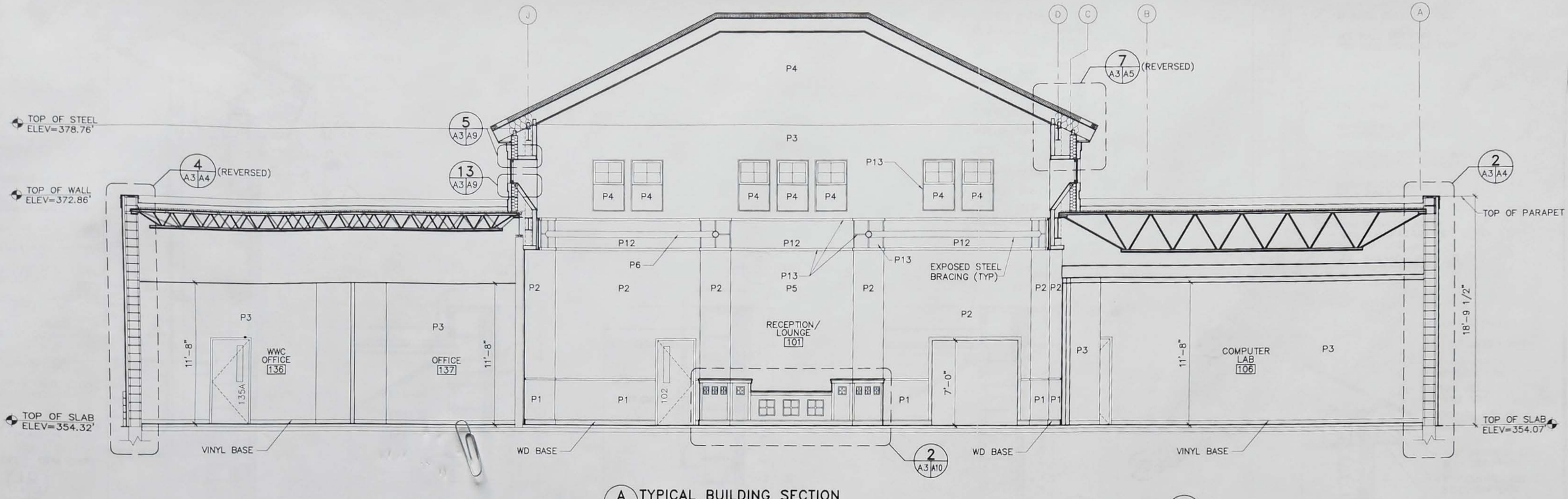
LICENSED ARCHITECT DONALD RICHARD DEVER NO. AR2311 STATE OF MAINE

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

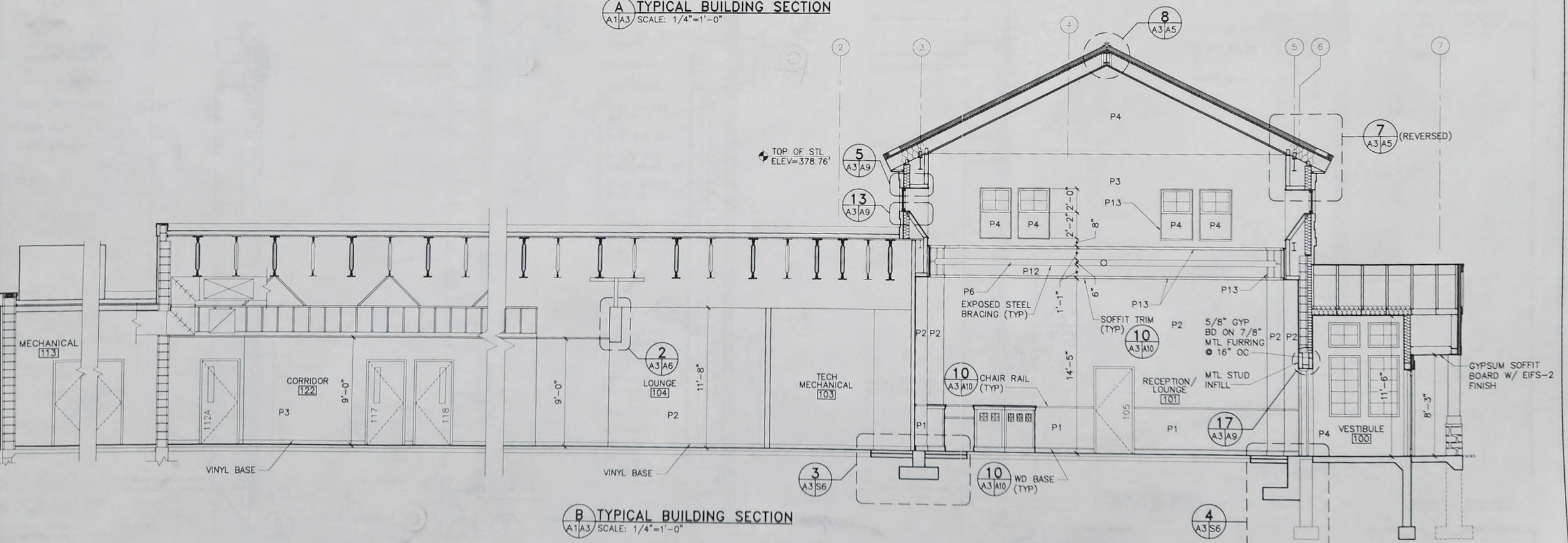
DATE: 10/20/00
DESIGN: DRD
DRAWN: KTW
CHECKED: DRD
SCALE: AS NOTED
JOB: 99014.04

EXTERIOR ELEVATIONS

A2
11 OF 40



A TYPICAL BUILDING SECTION
A1 A3 SCALE: 1/4"=1'-0"



B TYPICAL BUILDING SECTION
A1 A3 SCALE: 1/4"=1'-0"

GRAPHIC SCALE
1/4"=1'-0"
0 2' 4' 8' 12'
CHECK GRAPHIC SCALE BEFORE USING

9014.04-203.dwg 10-19-00 5:29:49 pm EST

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS

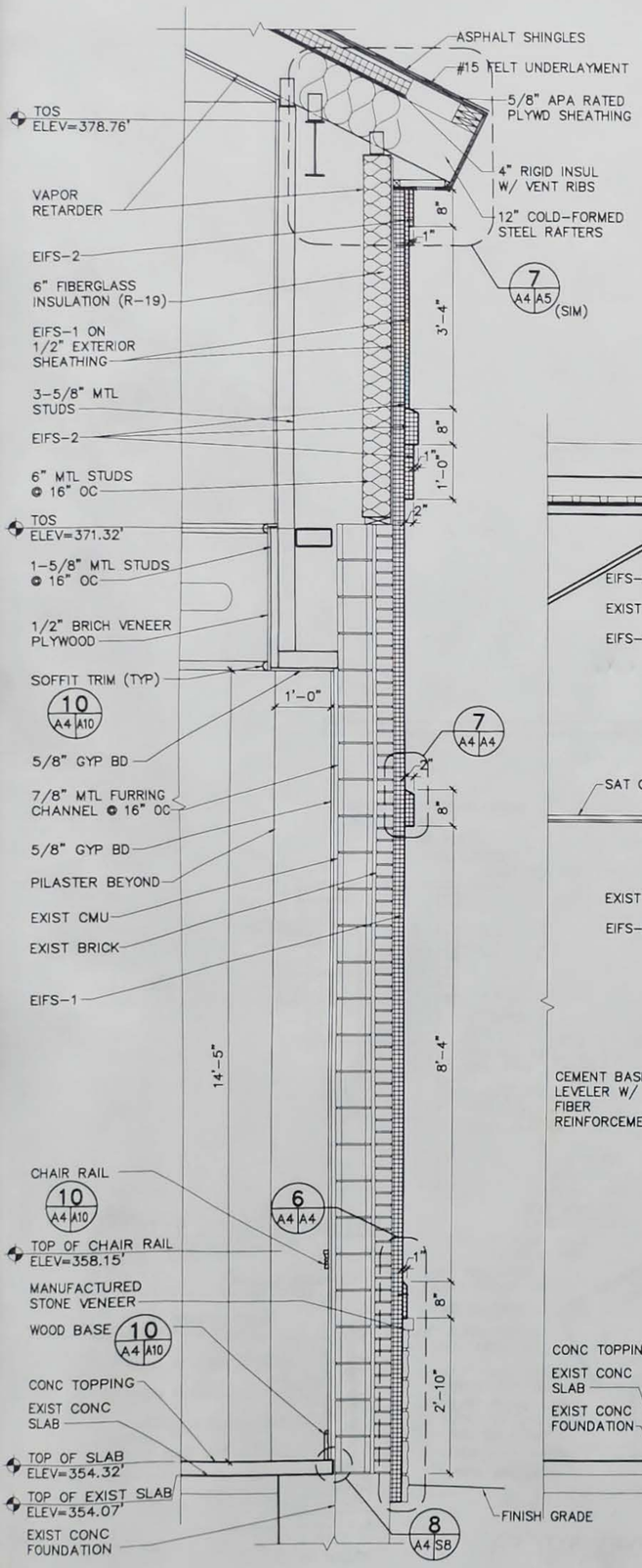
LICENSED ARCHITECT
DONALD RICHARD DRIFFIELD
No. 7823

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER

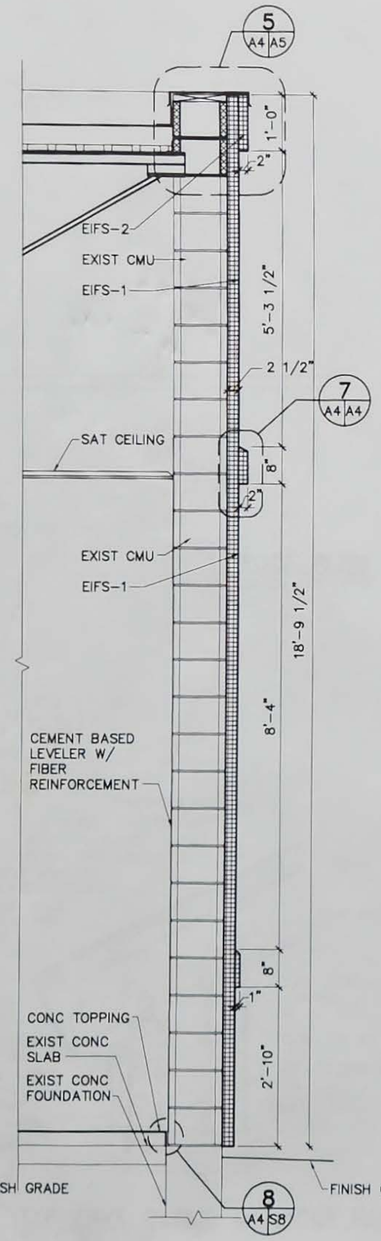
DATE: 10/20/00
DESIGN: DRD
DRAWN: DEM/MJC
CHECKED: DRD
SCALE: AS NOTED

BUILDING SECTIONS

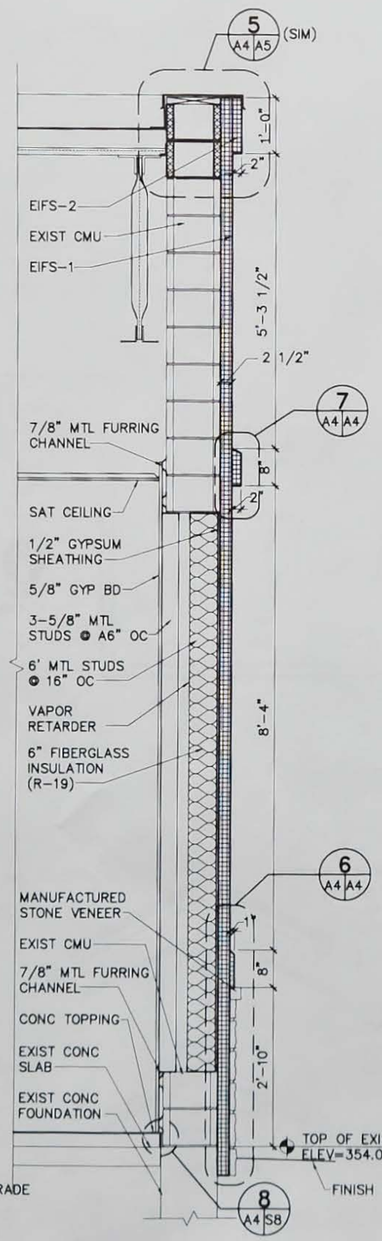
A3
12 OF



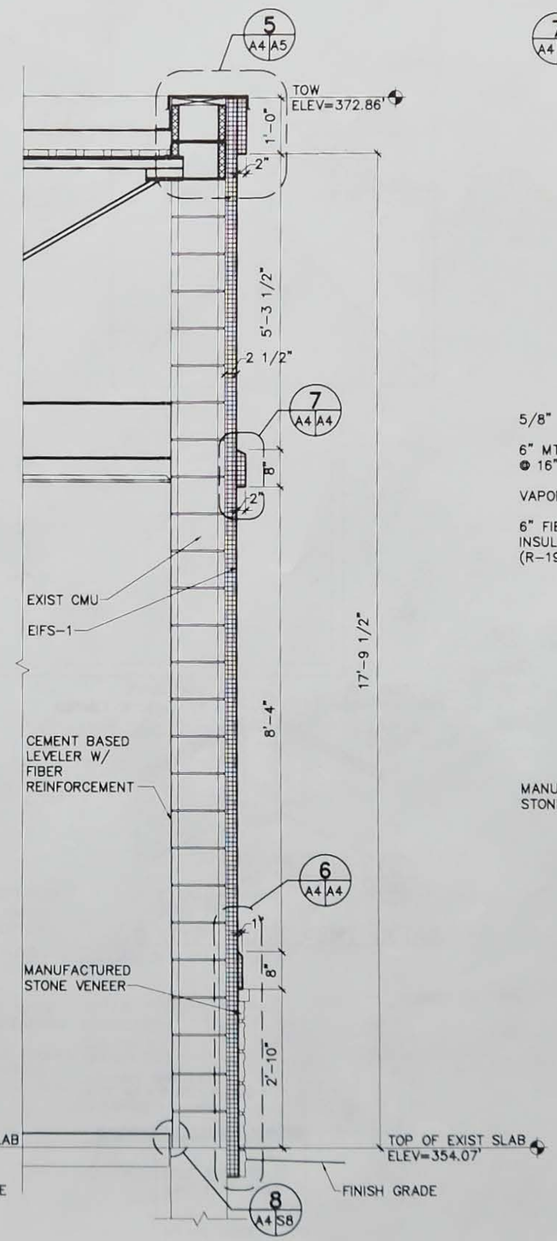
1 TYP WALL SECTION
A1 A4 SCALE: 3/4"=1'-0"



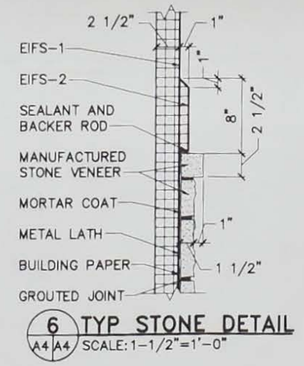
2 TYP WALL SECTION
A3 A1 A4 SCALE: 3/4"=1'-0"



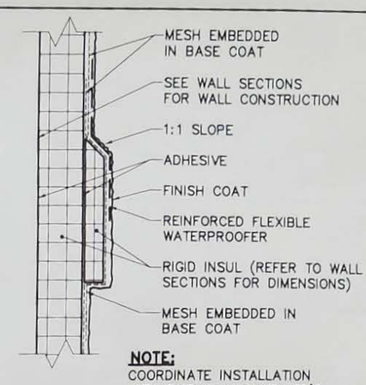
3 TYP WALL SECTION
A1 A4 SCALE: 3/4"=1'-0"



4 TYP WALL SECTION
A3 A1 A4 SCALE: 3/4"=1'-0"

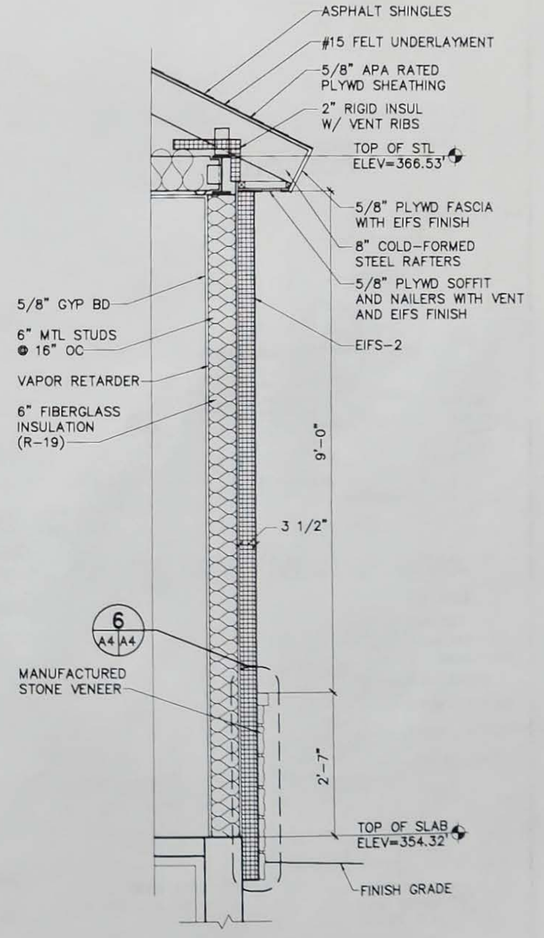


6 TYP STONE DETAIL
A4 A4 SCALE: 1-1/2"=1'-0"



NOTE:
COORDINATE INSTALLATION WITH EIFS MANUFACTURER'S RECOMMENDATIONS.

7 TYP ACCENT BAND DETAIL
A4 A4 SCALE: 3"=1'-0"



5 TYP WALL SECTION
S6.A2 A1 A4 SCALE: 3/4"=1'-0"

GRAPHIC SCALES

3"=1'-0" 0 2" 4" 6" 1'

1-1/2"=1'-0" 0 4" 8" 1' 2'

3/4"=1'-0" 0 6" 1' 2' 3' 4'

CHECK GRAPHIC SCALES BEFORE USING

99014.04-207.dwg 10-19-00 6:20:28 pm EST

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

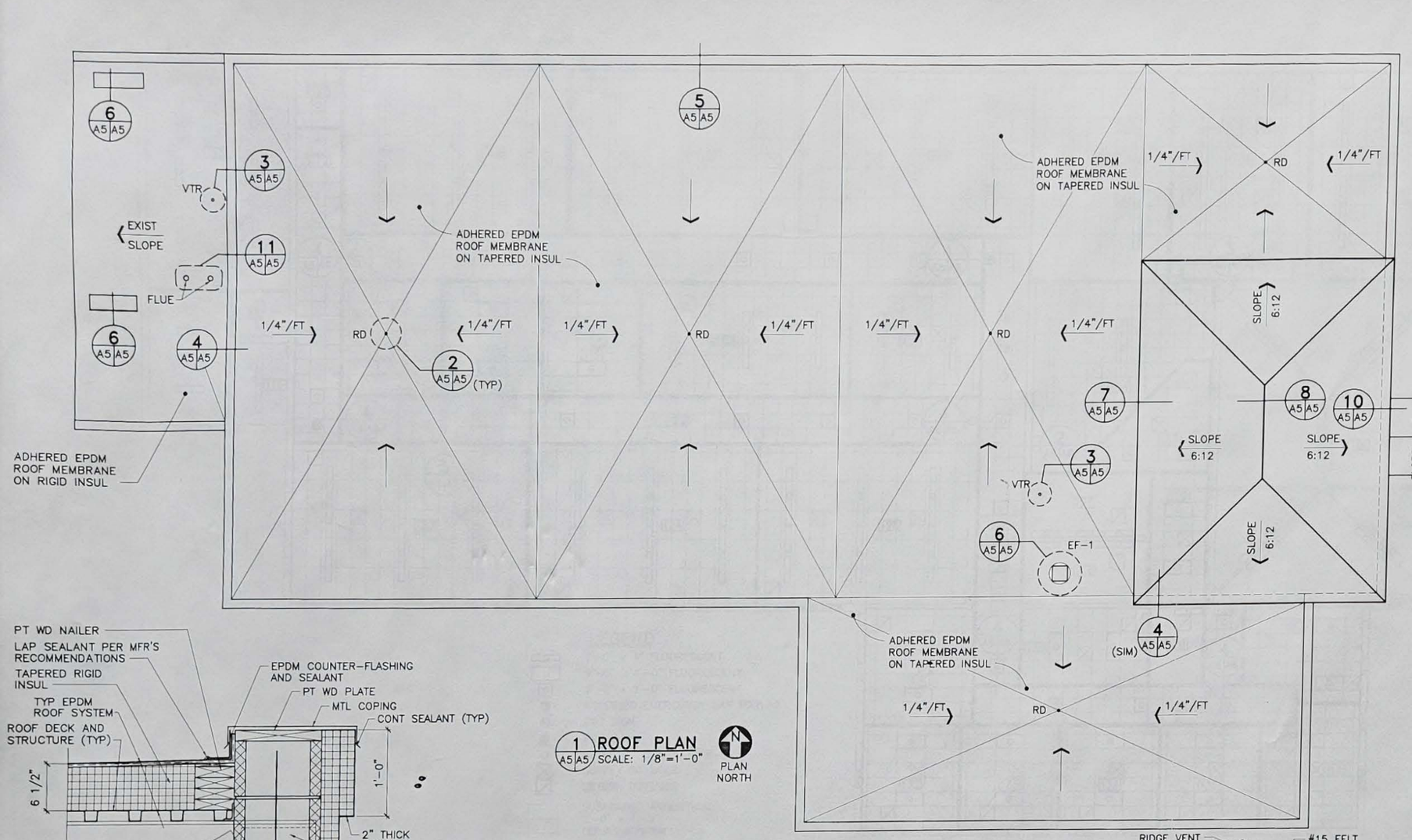
LICENSED ARCHITECT DONALD RAYMOND MOWER NO. AP2311 STATE OF MAINE

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: NVL
DRAWN: DEM
CHECKED: DRD
SCALE: AS NOTED
JOB: 99014.04

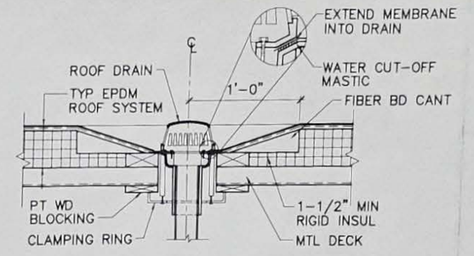
WALL SECTIONS AND DETAILS

A4
13 OF 40

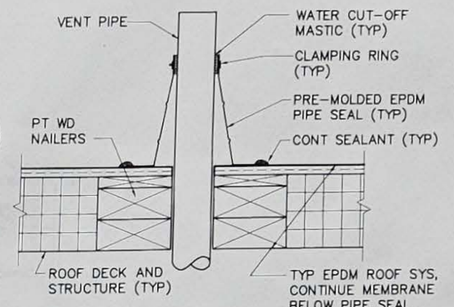


1 A5 A5 ROOF PLAN
SCALE: 1/8"=1'-0"

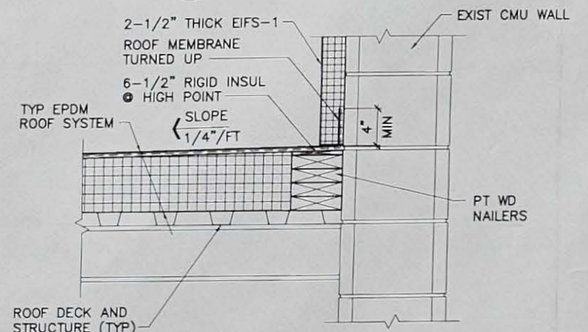
PLAN NORTH



2 A5 A5 TYP ROOF DRAIN DETAIL
SCALE: 1-1/2"=1'-0"

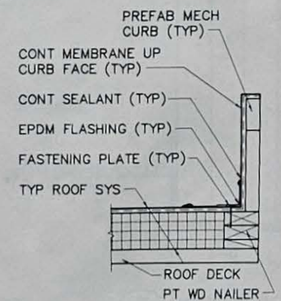


3 A5 A5 TYP VENT PIPE
SCALE: 3"=1'-0"

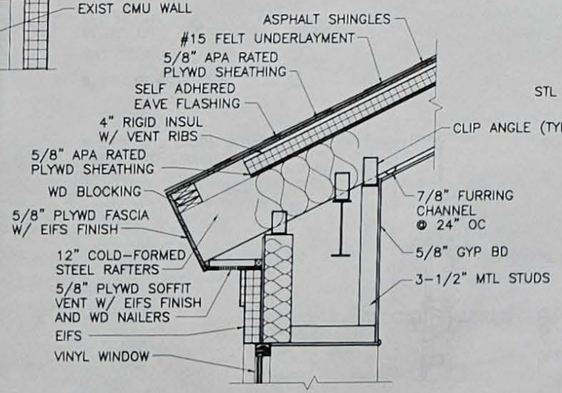


4 A5 A5 TYP ROOF TRANSITION DETAIL
SCALE: 1-1/2"=1'-0"

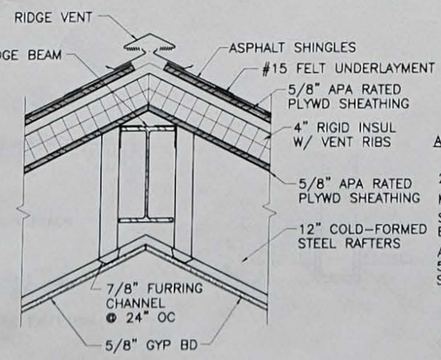
5 A5 A5 TYP PARAPET DETAIL
SCALE: 1-1/2"=1'-0"
A4.S7



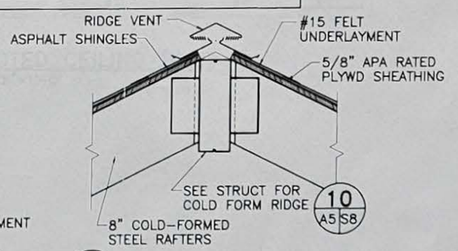
6 A5 A5 TYP MECH CURB DETAIL
SCALE: 1-1/2"=1'-0"



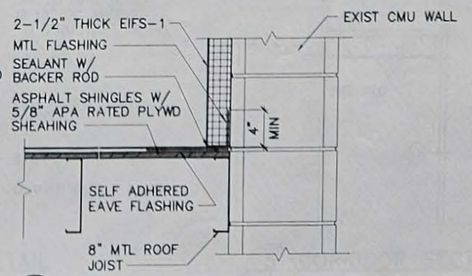
7 A5 A5 TYP EAVE DETAIL @ UPPER ROOF
SCALE: 3/4"=1'-0"
A3.A4



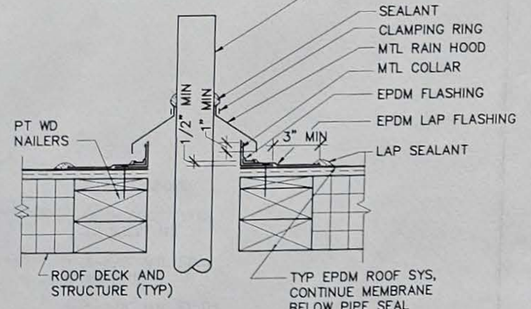
8 A5 A5 TYP RIDGE VENT DETAIL
SCALE: 1-1/2"=1'-0"
A2.A3



9 A5 A5 TYP RIDGE VENT DETAIL
SCALE: 1-1/2"=1'-0"
A1.A7



10 A5 A5 TYP ROOF TRANSITION DETAIL
SCALE: 1-1/2"=1'-0"



11 A5 A5 TYP FLUE FLASHING
SCALE: 1-1/2"=1'-0"

GRAPHIC SCALES

1/8"=1'-0" 0 4' 8' 16' 24'
3/4"=1'-0" 0 6" 1' 2' 3' 4'
1-1/2"=1'-0" 0 4" 8" 1' 2'
3"=1'-0" 0 2" 4" 6" 1'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

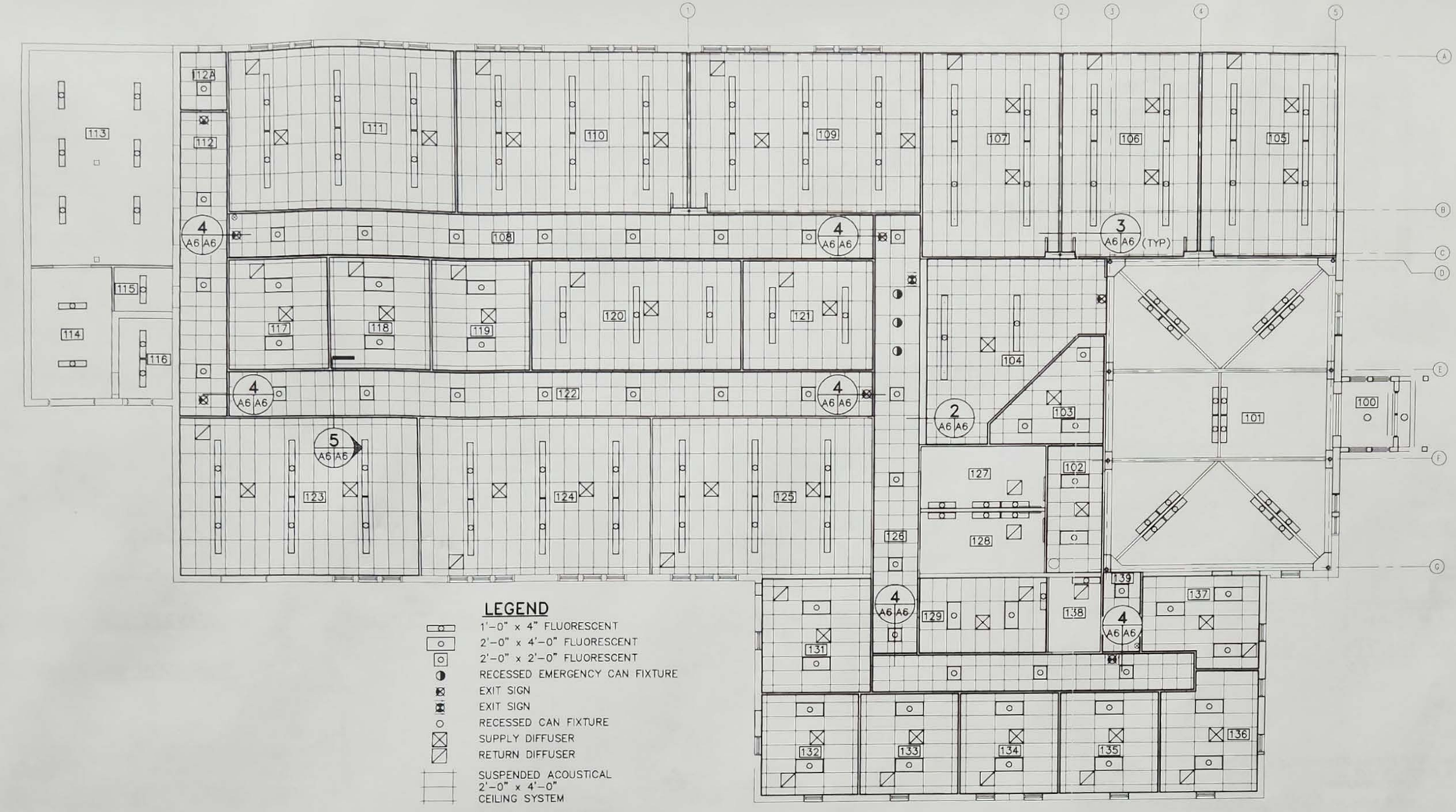
LICENSED ARCHITECT DONALD RICHARD CARVER (No. AR2311) STATE OF MAINE

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DRD
DRAWN:	MJC
CHECKED:	DRD
SCALE:	AS NOTED
JOB:	99014.04

ROOF PLAN AND DETAILS

A5
14 OF 40

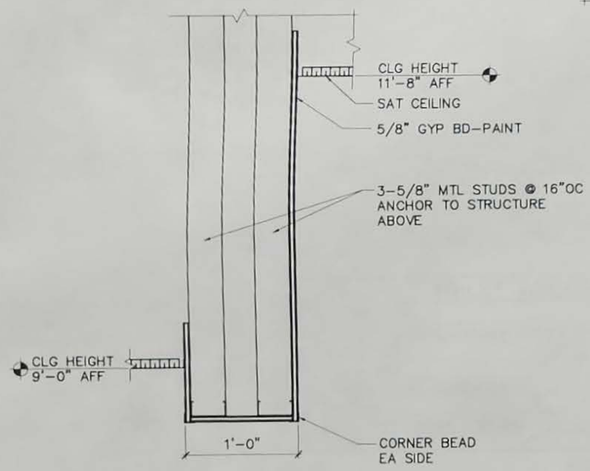


LEGEND

- 1'–0" x 4" FLUORESCENT
- 2'–0" x 4'–0" FLUORESCENT
- 2'–0" x 2'–0" FLUORESCENT
- RECESSED EMERGENCY CAN FIXTURE
- EXIT SIGN
- EXIT SIGN
- RECESSED CAN FIXTURE
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- SUSPENDED ACOUSTICAL 2'–0" x 4'–0" CEILING SYSTEM
- SUSPENDED ACOUSTICAL 2'–0" x 2'–0" CEILING SYSTEM

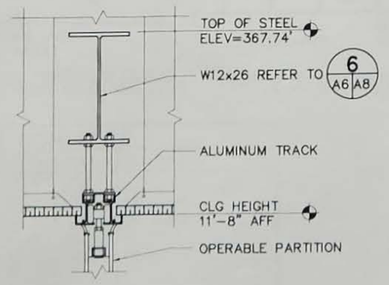
1 REFLECTED CEILING PLAN

A6 A6 SCALE: 1/8"=1'–0"



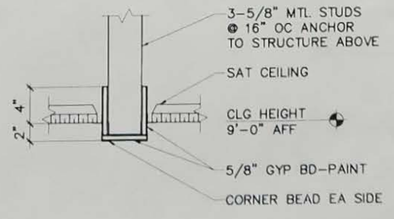
2 SOFFIT DETAIL

A3 A6 A6 SCALE: 1–1/2"=1'–0"



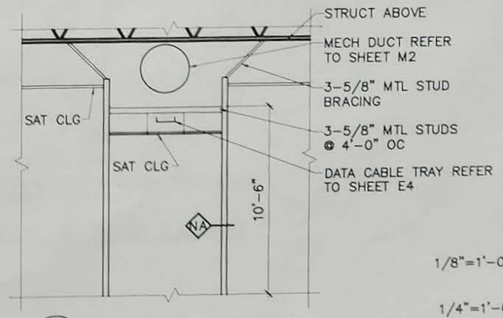
3 OPERABLE PARTITION TRACK DETAIL

A6 A6 SCALE: 1–1/2"=1'–0"



4 SOFFIT DETAIL

A6 A6 SCALE: 1–1/2"=1'–0"



5 CORRIDOR SECTION

A1 A6 A6 SCALE: 1/4"=1'–0"

GRAPHIC SCALES

1/8"=1'–0" 0 4' 8' 16' 24'

1/4"=1'–0" 0 2' 4' 8' 12'

1–1/2"=1'–0" 0 4" 8" 1' 2'

CHECK GRAPHIC SCALES BEFORE USING

99014.04-206.dwg 10-19-00 3:54:23 pm EST

OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

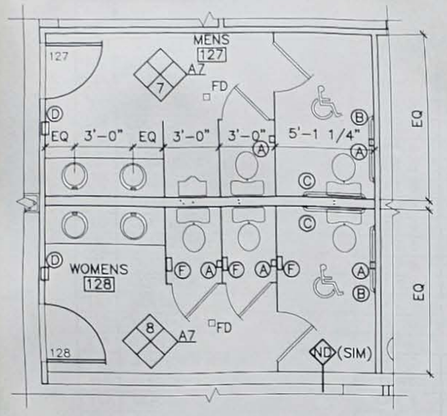
LICENSED ARCHITECT DONALD RICHARD DRIVER #1464 STATE OF MAINE

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

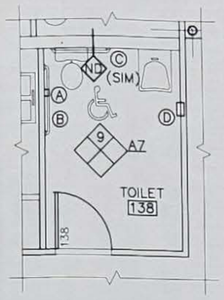
DATE:	10/20/00
DESIGN:	NVL
DRAWN:	DEM
CHECKED:	DRD
SCALE:	AS NOTED
JOB:	99014.04

REFLECTED CEILING PLAN AND DETAILS

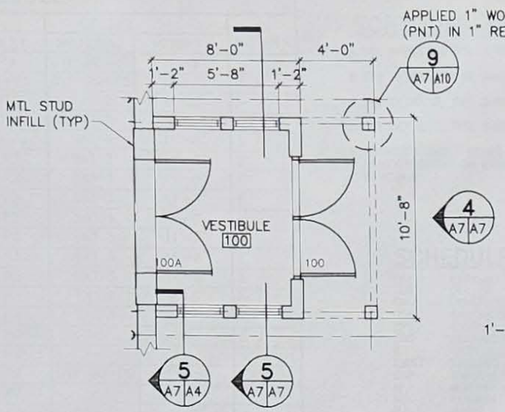
A6
15 OF 40



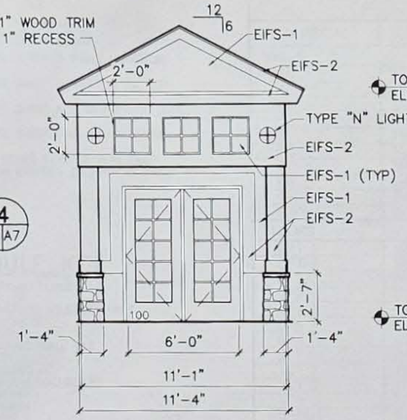
1 ENLARGED TOILET PLAN
A1|A7 SCALE: 1/4"=1'-0"



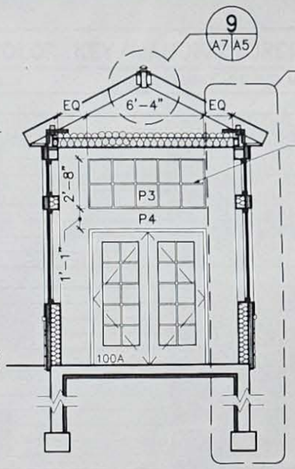
2 ENLARGED TOILET PLAN
A1|A7 SCALE: 1/4"=1'-0"



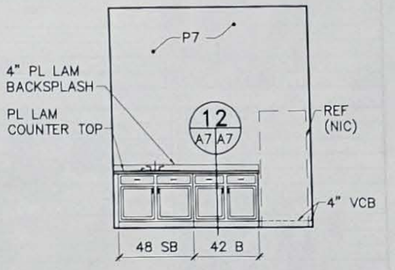
3 ENLARGED VESTIBULE PLAN
A1|A7 SCALE: 1/4"=1'-0"



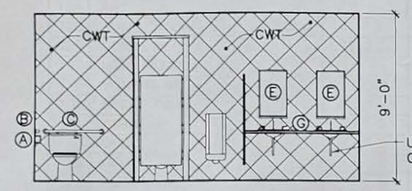
4 ENTRY ELEVATION
A1,A2,E3 A7|A7 SCALE: 1/4"=1'-0"



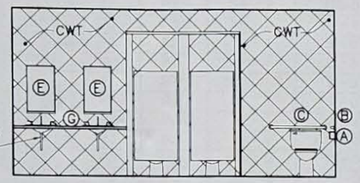
5 ENTRY ELEVATION/SECTION
A7|A7 SCALE: 1/4"=1'-0"



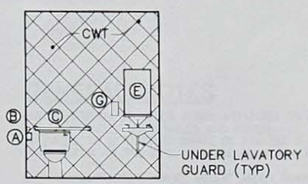
6 BREAK ROOM 129 ELEVATION
A1|A7 SCALE: 1/4"=1'-0"



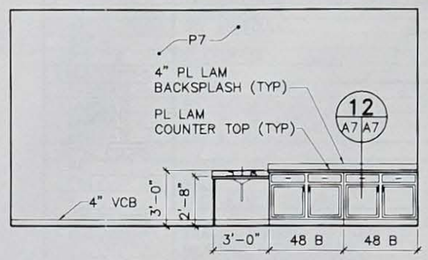
7 TOILET ROOM 128 ELEVATION
A1|A7 SCALE: 1/4"=1'-0"



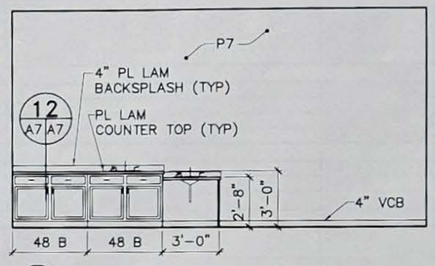
8 TOILET ROOM 127 ELEVATION
A1|A7 SCALE: 1/4"=1'-0"



9 TOILET ROOM 138 ELEVATION
A1|A7 SCALE: 1/4"=1'-0"

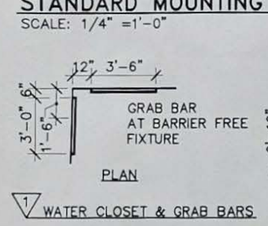


10 NMTC ROOM 123 ELEVATION
A1|A7 SCALE: 1/4"=1'-0"

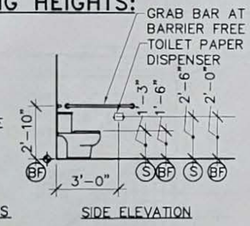


11 ART ROOM 124 ELEVATION
A1|A7 SCALE: 1/4"=1'-0"

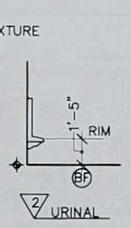
STANDARD MOUNTING HEIGHTS:
SCALE: 1/4" =1'-0"



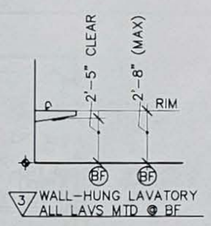
1 WATER CLOSET & GRAB BARS



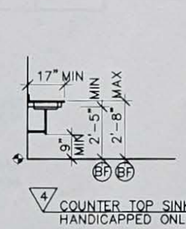
SIDE ELEVATION



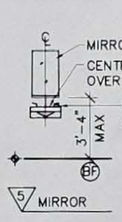
2 URINAL



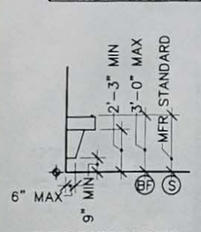
3 WALL-HUNG LAVATORY
ALL LAVS MTD @ BF



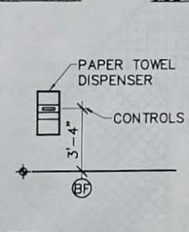
4 COUNTER TOP SINK
HANDICAPPED ONLY



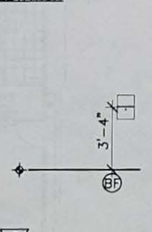
5 MIRROR



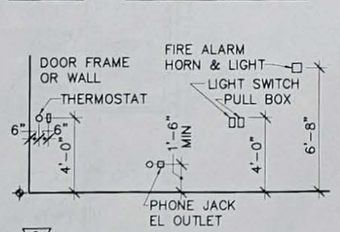
6 ELECTRIC WATER
COOLER (EWC)



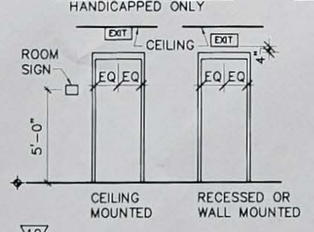
7 TOWEL DISPENSERS



8 SANITARY
NAPKIN DISPOSAL



9 ELECTRICAL & FIRE PROTECTION DEVICES
TYPICAL UNLESS NOTED OTHERWISE



10 SIGNS
TYPICAL UNLESS NOTED OTHERWISE

TOILET ACCESSORY SCHEDULE

ITEM	DESCRIPTION	MOUNTING HEIGHT	REMARKS
(A)	TOILET PAPER DISPENSER (SINGLE ROLL)	2'-0" AFF (CL)	–
(B)	GRAB BAR	2'-10" AFF (CL)	42" LONG
(C)	GRAB BAR	2'-10" AFF (CL)	36" LONG
(D)	PAPER TOWEL DISPENSER	3'-4" AFF (SLOT)	–
(E)	MIRROR	3'-4" (BOTTOM)	24"x30"
(F)	SANITARY NAPKIN DISPOSAL	3'-4" AFF	–
(G)	SOAP DISPENSER	3'-4" AFF	–

LEGEND

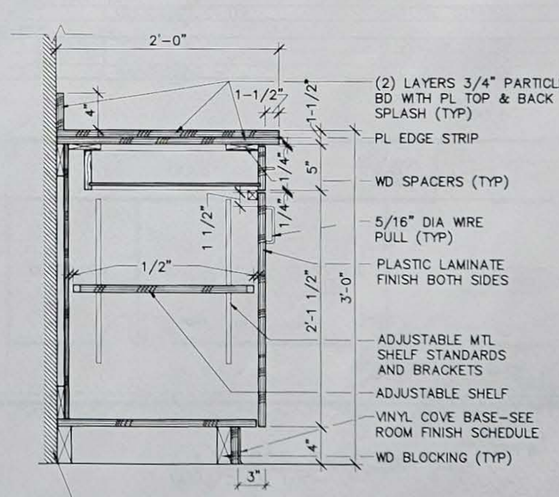
(S) STANDARD

(BF) BARRIER FREE MOUNTING HEIGHT

FINISH FLOOR LINE

NOTES FOR MOUNTING HEIGHTS

1. MOUNT ALL FIXTURES AT STANDARD MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A ♿ SYMBOL. A ♿ SYMBOL AT ANY FIXTURE SHALL INCLUDE ALL ACCESSORIES ASSOCIATED WITH THAT FIXTURE.
2. REFER TO DRAWINGS & SPECIFICATIONS FOR TYPES OF FIXTURES THAT MAY APPLY TO THIS PROJECT.



NOTE: AT SINK BASE, DELETE SLIDING DRAWER AND PROVIDE FIXED FRONT TO MATCH.

12 SECTION @ BASE CABINET
A7|A7 SCALE: 1-1/2"=1'-0"

GRAPHIC SCALES

1-1/2"=1'-0" 0 4" 8" 1' 2'

1/4"=1'-0" 0 2' 4' 8' 12'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

LICENSED ARCHITECT DONALD R. DUNTON STATE OF MAINE

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DRD
DRAWN:	MJC
CHECKED:	DRD
SCALE:	AS NOTED
JOB:	9901.04

ENLARGED FLOOR PLANS AND DETAILS

A7

16 OF 40

9901.04=201.dwg 10-19-00 5:02:48 pm EST

ROOM FINISH SCHEDULE

NO.	DESCRIPTION	FLOOR	BASE	WALLS				CEILING		NOTES
				NORTH	EAST	SOUTH	WEST	MATERIAL	HEIGHT	
100	VESTIBULE	CPT 7	VSB 2	P4	P4	P4	P4	GYP BD-P5	11'-6"	-
101	RECEPTION/LOUNGE	CPT 1-4	WDB	P1-P4	P1-P4	P1-P4	P1-P5	GYP BD-P5	VARIES	A,B
102	WORK ROOM	CPT 1	VSB 1	P3	P3	P3	P3	SAT 2	9'-8"	-
103	TECH. MECHANICAL	VCT 2	VCB 1	P7	P7	P7	P7	SAT 2	9'-8"	B
104	LOUNGE	CPT 1-4	VSB 1	P2	P5	P2	-	SAT 4	11'-8"	B
105	COMPUTER LAB	CPT 6	VSB 1	P3	P3	P3	P3	SAT 3	11'-8"	E
106	COMPUTER LAB	CPT 6	VSB 1	P3	P3	P3	P3	SAT 3	11'-8"	E
107	COMPUTER LAB	CPT 6	VSB 1	P3	P3	P3	P3	SAT 3	11'-8"	E
108	CORRIDOR	CPT 2,3,5	VSB 1	P3	P3	P3	P5	SAT 1	9'-0"	C
109	CLASSROOM	CPT 6	VSB 1	P3	P3	P3	P3	SAT 3	11'-8"	E
110	CLASSROOM	CPT 6	VSB 1	P3	P3	P3	P3	SAT 3	11'-8"	E
111	CLASSROOM	CPT 6	VSB 1	P3	P3	P3	P3	SAT 3	11'-8"	E
112	CORRIDOR	CPT 2,3,5	VSB 1	P3	P3	P3	P5	SAT 1	9'-0"	-
112A	VESTIBULE	CPT 7	VSB 2	P4	P4	P4	P4	SAT 1	-	E
113	MECHANICAL	CONC	-	P7	P7	P7	P7	-	-	E
114	STORAGE	CONC	-	P7	P7	P7	P7	-	-	-
115	JANITOR'S CLOSET	VCT 2	VCB 1	P7	P7	P7	P7	GYP BD-P9	-	E
116	ELECTRICAL ROOM	CONC	-	P7	P7	P7	P7	-	-	E
117	CLASSROOM	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	9'-8"	-
118	CLASSROOM	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	9'-8"	-
119	CLASSROOM	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	9'-8"	-
120	LIBRARY	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	9'-8"	-
121	VIDEO CONFERENCE	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	9'-8"	-
122	CORRIDOR	CPT 2,3,5	VSB 1	P3	P3	P3	P5	SAT 1	9'-0"	C
123	NMTC CLASSROOM	VCT 1-3	VCB 1	P7	P7	P7	P7	SAT 2	11'-8"	D,E
124	ART	VCT 1-3	VCB 1	P7	P7	P7	P7	SAT 2	11'-8"	D,E
125	AUDIO/VIDEO/ATM CLASSROOM	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
126	CORRIDOR	CPT 2,3,5	VSB 1	P3	P3	P3	P3	SAT 1	9'-0"	-
127	MENS ROOM	CFT	CWT	P7	P8	CWT	P7	GYP BD-P9	9'-8"	B
128	WOMENS ROOM	CFT	CWT	CWT	P8	P7	P7	GYP BD-P9	9'-8"	B
129	BREAK ROOM	VCT 1-3	VCB 1	P7	P7	P7	P7	SAT 1	9'-0"	B
130	CORRIDOR	CPT 5	VSB 1	P3	P3	P3	P3	SAT 1	9'-0"	-
131	OFFICE	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
132	OFFICE	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
133	RECEPTION	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
134	OFFICE	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
135	OFFICE	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
136	WWC OFFICE	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
137	OFFICE	CPT 6	VSB 1	P3	P3	P3	P3	SAT 2	11'-8"	E
138	TOILET	CFT	CWT	CWT	P7	P8	P7	GYP BD-P9	9'-0"	B
139	CORRIDOR	CPT 2-5	VSB 1	P3	P3	P3	P3	SAT 1	9'-0"	-

SCHEDULE NOTES

A. SEE SHEET A3 FOR DETAILED PAINT LOCATION.

B. SEE DETAIL 1, THIS SHEET FOR FLOOR PATTERN.

C. SEE DETAIL 3, THIS SHEET FOR CARPET PATTERN.

D. SEE DETAIL 2, THIS SHEET FOR VCT PATTERN.

E. PROVIDE CEMENT BASED LEVELER WITH FIBER REINFORCEMENT ON EXISTING CMU WALLS PRIOR TO PAINTING.

SCHEDULE KEY

CFT	CERAMIC FLOOR TILE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CWT	CERAMIC WALL TILE
E	EAST
EXIST	EXISTING
GYP	GYPSUM WALLBOARD
N	NORTH
NO	NUMBER
P	PAINT
P1	PAINT COLOR NUMBER (EXAMPLE, SEE SELECTION SCHEDULE)
S	SOUTH
SAT	SUSPENDED ACOUSTICAL TILE
W	WEST
WDB	WOOD BASE
VCB	VINYL COVE BASE
VCT	VINYL COMPOSITION TILE
VSB	VINYL STRAIGHT BASE

GENERAL NOTES

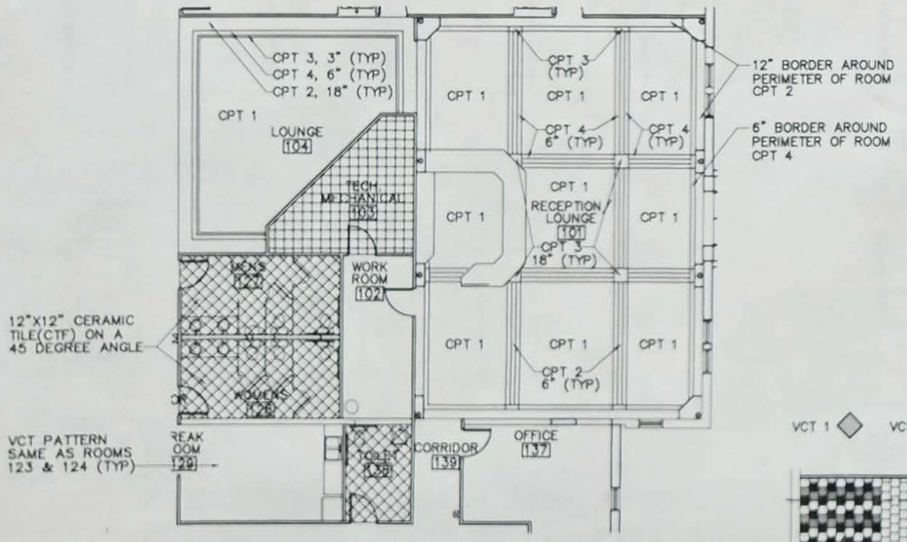
UNLESS OTHERWISE NOTED, ITEMS ATTACHED TO OR DIRECTLY ADJACENT TO WALLS AND OTHER SURFACES TO BE PAINTED SHALL BE PAINTED THE SAME COLOR AS THE WALL OR PRIMARY SURFACE.

CHANGES IN FLOOR FINISHES OCCUR UNDER DOORS TYPICALLY, CHANGES WHICH DO NOT OCCUR AT DOORS ARE INDICATED ON FLOOR PLANS.

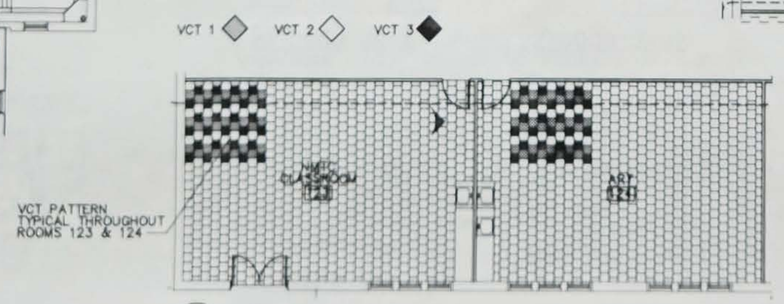
MANUFACTURERS' NAMES AND CATALOGUE NUMBERS ARE USED TO PROVIDE AN INDICATION OF SURFACE TEXTURES AND COLORS DESIRED. OTHER MANUFACTURERS' PRODUCTS OF SIMILAR SURFACE TEXTURE, COLORS AND MEETING SPECIFIED REQUIREMENTS WILL BE ACCEPTABLE.

COLOR KEY/MANUFACTURER GUIDE

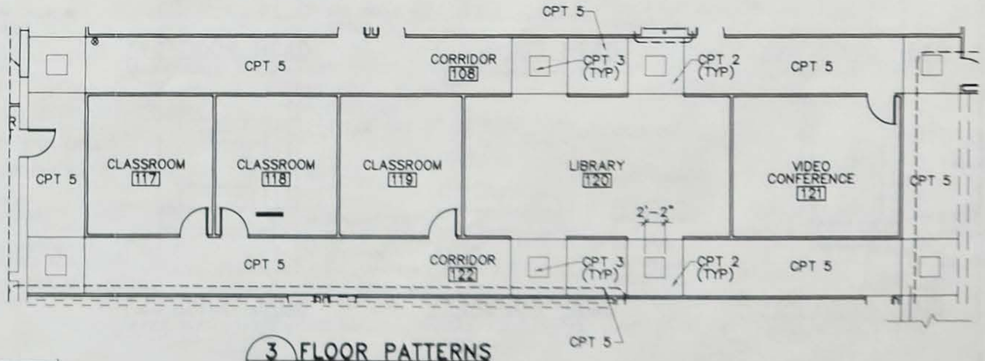
MATERIAL	LOCATION	MANUFACTURER MODEL/TYPE	COLOR & FINISH
WALLS			
P1	101 (BELOW CHAIR RAIL)	SHERWIN WILLIAMS	SW1167
P2	101 (ABOVE CHAIR RAIL), 104	ZOLATONE WATERBASE COVERING	ZN-00561J
P3	SEE SCHEDULE	SHERWIN WILLIAMS	SW1150
P4	SEE SCHEDULE	SHERWIN WILLIAMS	SW1151
P5	101,108,112,122	ZOLATONE WATERBASE COVERING	ZA-60126A
P6	101 (TRUSSES)	SHERWIN WILLIAMS	SW1166
P7	BATHROOMS	SHERWIN WILLIAMS	SW1022
P8	BATHROOMS	SHERWIN WILLIAMS	SW2293
CWT	BATHROOMS	DALTILE 12"X12" 'WARWICK'	YORKSHIRE GRAY HN02
GROUT	BATHROOMS	MAPEI	WARM GRAY 93
FLOORS			
CPT 1	101,104	COLLINS & AIKMAN, 'FRACTAL'	72007 NEBULA
CPT 2	101,104,CORRIDORS	COLLINS & AIKMAN, 'PLEXUS ACCENTS II'	60025 FRESCOE
CPT 3	101,104,CORRISORS	COLLINS & AIKMAN, 'PLEXUS ACCENTS II'	60021 CHILI
CPT 4	101,104,CORRIDORS	COLLINS & AIKMAN, 'PLEXUS ACCENTS II'	60001 KIWI
CPT 5	CORRIDORS	COLLINS & AIKMAN, 'NOMAD'	28007 KASBA
CPT 6	CLASSROOMS,OFFICES	COLLINS & AIKMAN, 'TUNISIA'	38007 BEDOUIN
CPT 7	VESTIBULES	CORAL FLOOR SYSTEM	5521 MOUSE GREY
CFT	BATHROOMS	DALTILE 12"X 12" 'WARWICK'	YORKSHIRE GRAY HN02
VCT 1	115,123,124,129	ARMSTRONG STONETEX	LIMESTONE BEIGE 52139
VCT 2	115,123,124,129	ARMSTRONG STONETEX	STONE WHITE 52127
VCT 3	115,123,124,129	ARMSTRONG STONETEX	GRANITE GRAY 52125
GROUT	BATHROOMS	MAPEI	WARM GRAY 93
BASE			
WOOD (BIRCH)	101	-	NATURAL FINISH
CERAMIC (CWT)	BATHROOMS	DALTILE 3"X 12" BULLNOSE TOP,'WARWICK'	YORKSHIRE GRAY HN02
VSB 1	SEE SCHEDULE	JOHNSONITE 4" STRAIGHT BASE	47 BROWN
VSB 2	100,112A	ARMSTRONG 4" STRAIGHT BASE	61 GRAPHITE GRAY
VCB 1	123,124,127,128,129,138	ARMSTRONG 4" COVE BASE	69 LIGHT GRAY
CEILINGS			
SAT 1	104,108,112,122,126,129,130,139	ARMSTRONG 2'X2' 'CIRRUS' TEGULAR	WHITE
SAT 2	SEE SCHEDULE	ARMSTRONG 2'X4' 'FINE FISSURED' TEGULAR	WHITE, MED TEXTURE
SAT 3	SEE SCHEDULE	ARMSTRONG 2'X4' 'FINE FISSURED' LAY IN	WHITE, MED TEXTURE
SAT 4	104	ARMSTRONG 2'X2' 'FINE FISSURED' LAY IN	WHITE, MED TEXTURE
GYP-P9	127,128,138	SHERWIN WILLIAMS	SW1900
COUNTERTOPS			
LAMINATE	101,127,128,138	PIONITE	OLIVE ORGANIX, AV674-S
LAMINATE	BATHROOM CABINET BASES	PIONITE	PUMICE SG203-S
LAMINATE	123 & 124 COUNTERTOPS	FORMICA	SAND STONE 7265-58
LAMINATE	123 & 124 CABINET BASES	PIONITE	PUMICE SG203-S
METAL DOORS			
P6	100,101,112A,123(EXTERIOR)	SHERWIN WILLIAMS	SW1166
P10	112	SHERWIN WILLIAMS	SW1034
P11	113,114,116,123(INTERIOR)	SHERWIN WILLIAMS	SW1012
DOOR FRAMES			
P10	FRAMES THROUGHOUT EXCEPT IN ROOMS LISTED BELOW	SHERWIN WILLIAMS	SW1034
P11	101,115,123,124,127,128,129,138	SHERWIN WILLIAMS	SW1012
P6	100	SHERWIN WILLIAMS	SW1166
MISC. MILLWORK			
P12-BIRCH	101	MINWAX POLYCRYLIC PROTECTIVE FINISH	CLEAR
P13	101	MINWAX WATER-BASED WOOD STAIN	AMERICAN WALNUT
MOVEABLE PARTITIONS			
FABRIC	105,106,107,109,110	HUFCOR, 'STRATUS'	SUNSET 42-702
EXTERIOR			
EIFS 1	FIELD	STOCOLOR SYSTEM	20 424 NCS 0902-Y28R
EIFS 2	TRIM	STOCOLOR SYSTEM	20 118 NCS 4615-052Y
EIFS 3	WAINSCOTING	STOCOLOR SYSTEM	20 921 NCS 3003-Y38R



1 FLOOR PATTERNS
A1 A8 SCALE: 1/8"=1'-0"



2 FLOOR PATTERNS
A1 A8 SCALE: 1/8"=1'-0"



3 FLOOR PATTERNS
A1 A8 SCALE: 1/8"=1'-0"

GRAPHIC SCALE
0 4' 8' 16' 24'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

LICENSED ARCHITECT DONALD RICHARD LEVASSEUR STATE OF MAINE

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: SDS
DRAWN: KLG
CHECKED: DRD
SCALE: AS NOTED
JOB: 99014.04

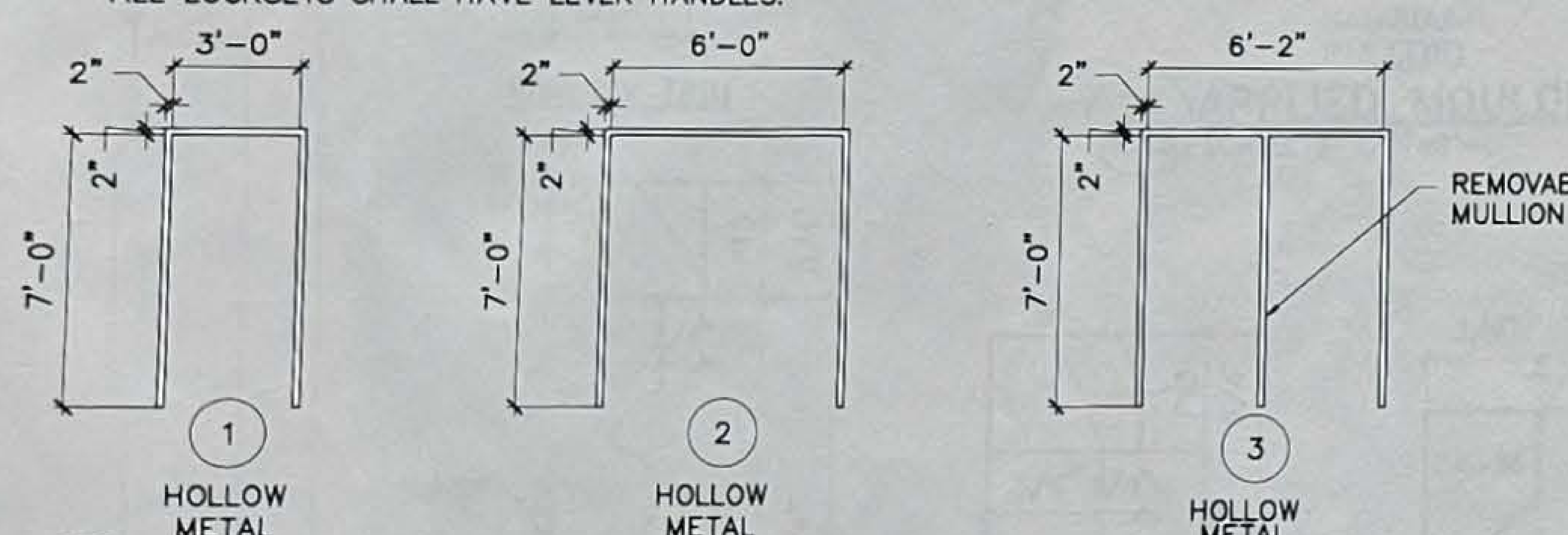
ROOM FINISH SCHEDULE AND DETAILS

A8
17 OF 40

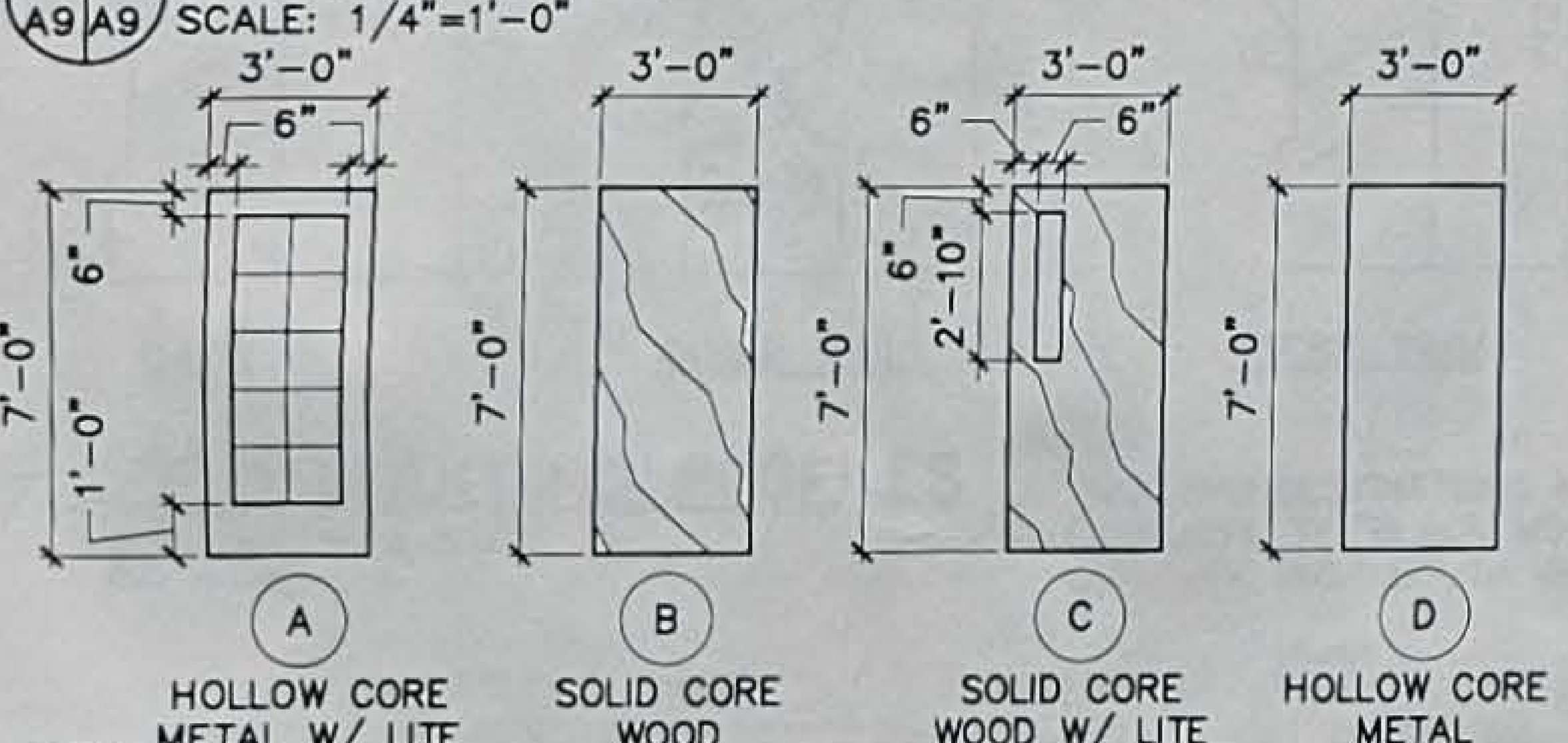
DOOR SCHEDULE

NO.	SIZE	DOOR TYPE	DOOR FINISH	HARDWARE SET	FRAME TYPE	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	NOTES
100	(2) 3'-0"x7'-0"	A	PNT	1	3	PNT	16	21	26	–	–
100A	(2) 3'-0"x7'-0"	A	PNT	1A	2	PNT	17	22	–	–	–
102	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
103	3'-0"x7'-0"	B	NAT	3	1	PNT	20	25	–	–	–
105	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
106	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
107	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
109	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
110	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
111	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
112	3'-0"x7'-0"	A	PNT	5	1	PNT	18	23	26	–	–
112A	3'-0"x7'-0"	C	NAT	6	1	PNT	20	25	–	–	–
113	(2) 3'-0"x7'-0"	D	PNT	8	2	PNT	19	24	–	45 MIN	–
114	(2) 3'-0"x7'-0"	D	PNT	9	2	PNT	18	23	26	–	–
114A	(2) 3'-0"x7'-0"	D	PNT	8	2	PNT	20	25	–	–	–
115	3'-0"x7'-0"	D	PNT	3	1	PNT	19	24	–	45 MIN	–
116	3'-0"x7'-0"	D	PNT	3	1	PNT	19	24	–	–	–
116A	3'-0"x7'-0"	D	PNT	7	1	PNT	18	23	26	–	–
117	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
118	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
119	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
121	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
123	3'-0"x7'-0"	C	NAT	4	1	PNT	20	25	–	–	–
123A	(2) 3'-0"x7'-0"	D	PNT	9	2	PNT	18	23	26	–	–
124	3'-0"x7'-0"	C	PNT	4	1	PNT	20	25	–	–	–
125	3'-0"x7'-0"	C	PNT	4	1	PNT	20	25	–	–	–
127	3'-0"x7'-0"	B	NAT	10	1	PNT	20	25	–	–	–
128	3'-0"x7'-0"	B	NAT	10	1	PNT	20	25	–	–	–
131	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
131A	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
132	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
133	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
134	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
135	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
135A	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
136	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
137	3'-0"x7'-0"	C	NAT	2	1	PNT	20	25	–	–	–
138	3'-0"x7'-0"	B	NAT	11	1	PNT	20	25	–	–	–

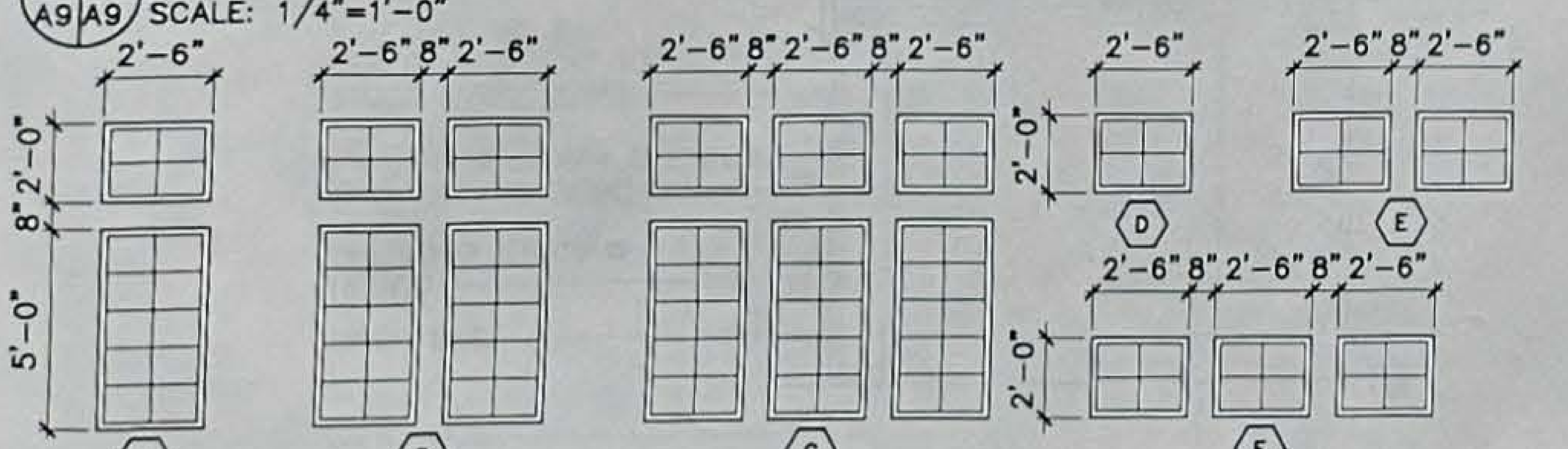
NOTE: ALL LOCKSETS SHALL HAVE LEVER HANDLES.



1 FRAMES TYPES A9 A9 SCALE: 1/4"=1'-0"

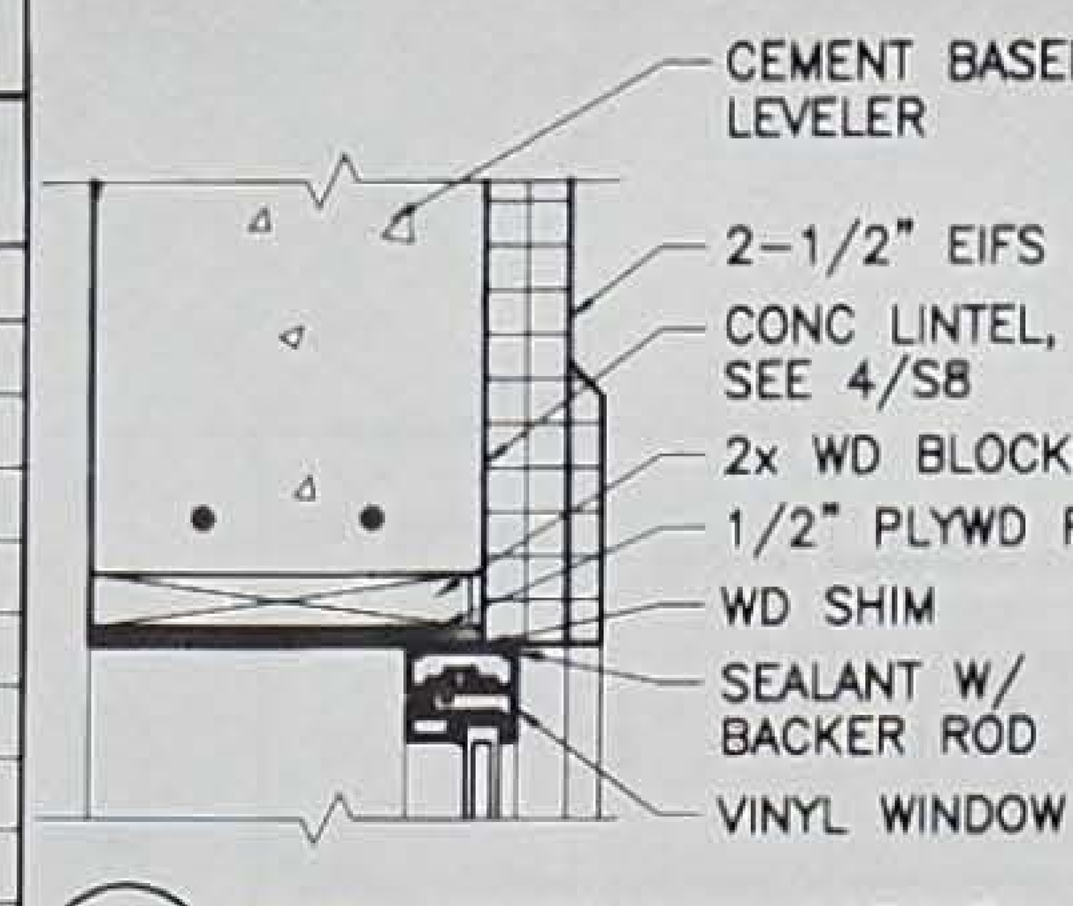


2 DOOR TYPES A9 A9 SCALE: 1/4"=1'-0"

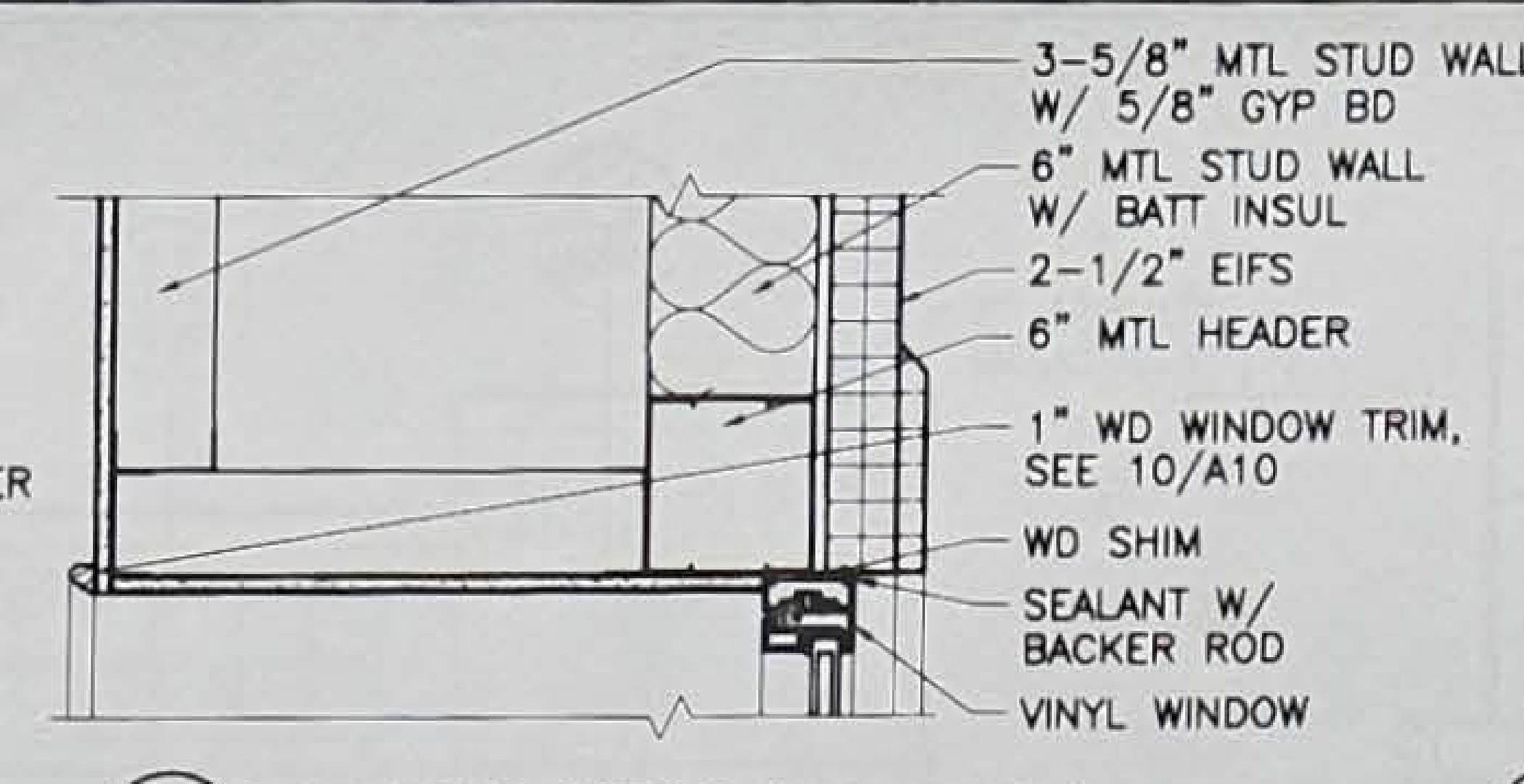


3 WINDOW TYPES A9 A9 SCALE: 1/4"=1'-0"

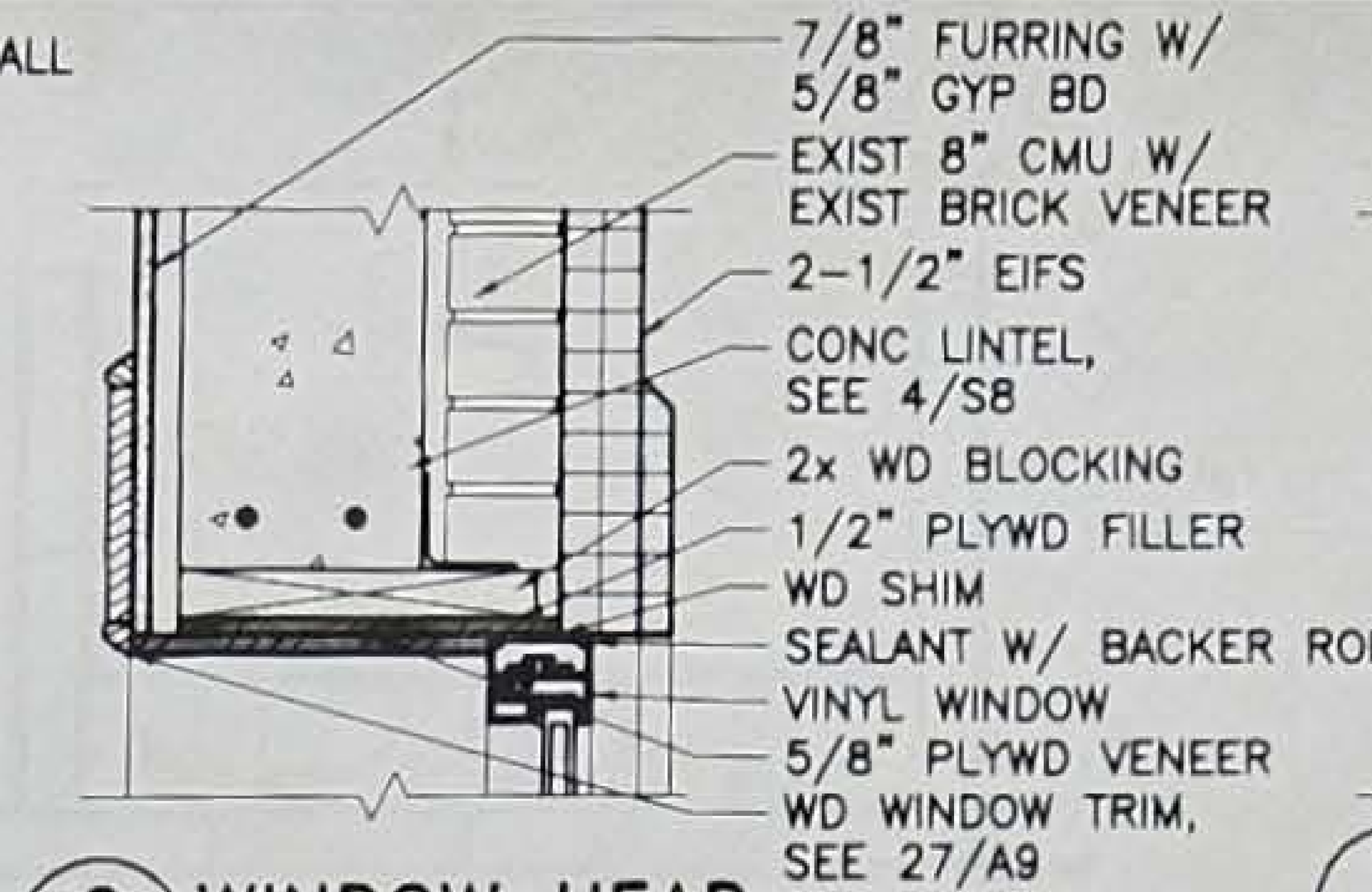
NOTES:
1. REFER TO BUILDING ELEVATIONS ON SHEET A2 FOR LOCATIONS OF OPERABLE UNITS.
2. PROVIDE ELECTRICAL OPERATORS FOR ALL AWNING WINDOWS.



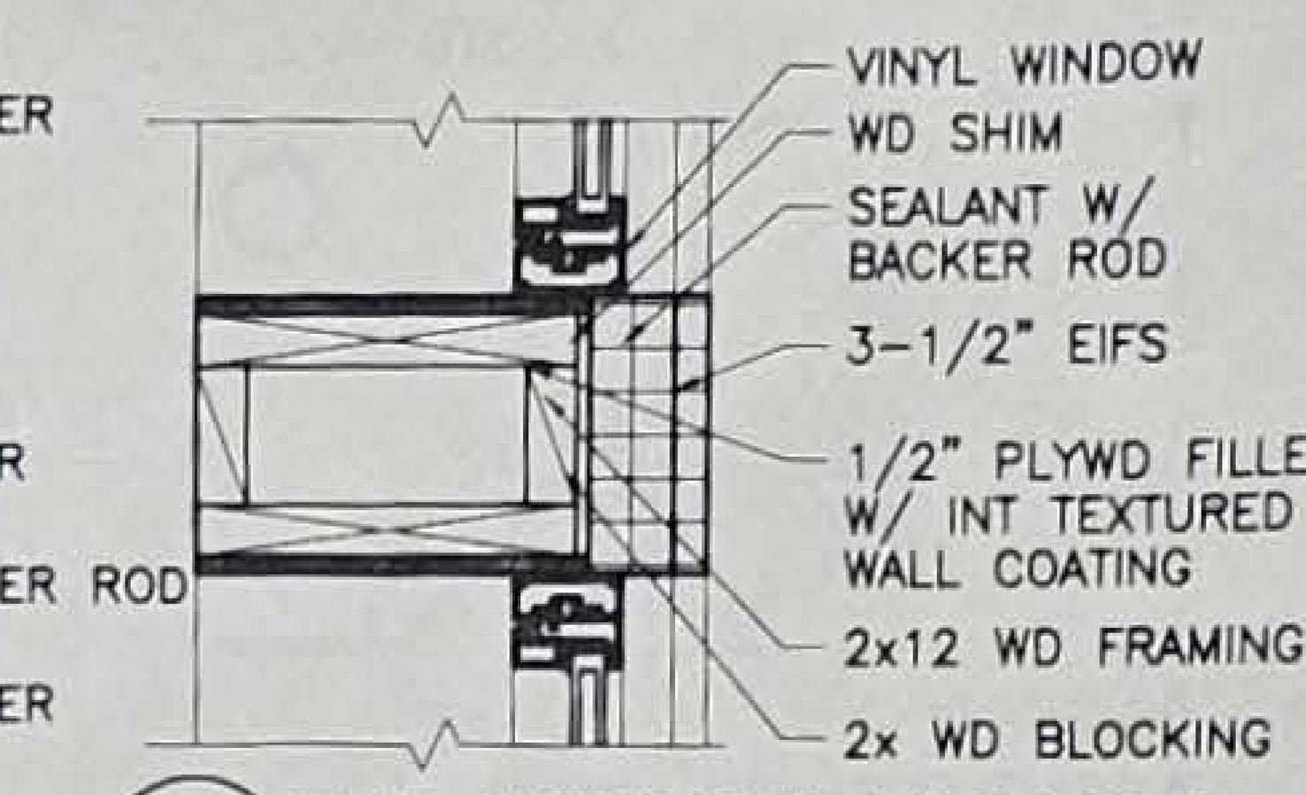
4 TYP WINDOW HEAD A9 A9 SCALE: 1-1/2"=1'-0"



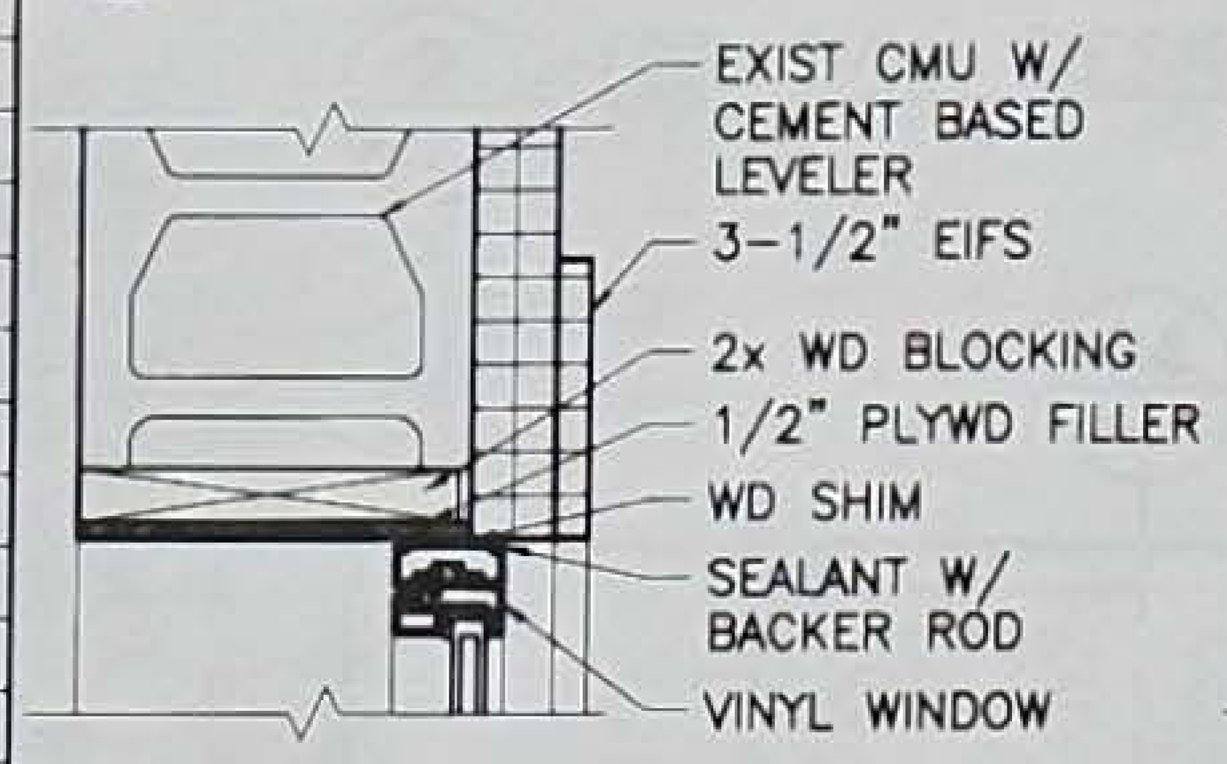
5 WINDOW HEAD (CLEARSTORY) A9 A9 SCALE: 1-1/2"=1'-0"



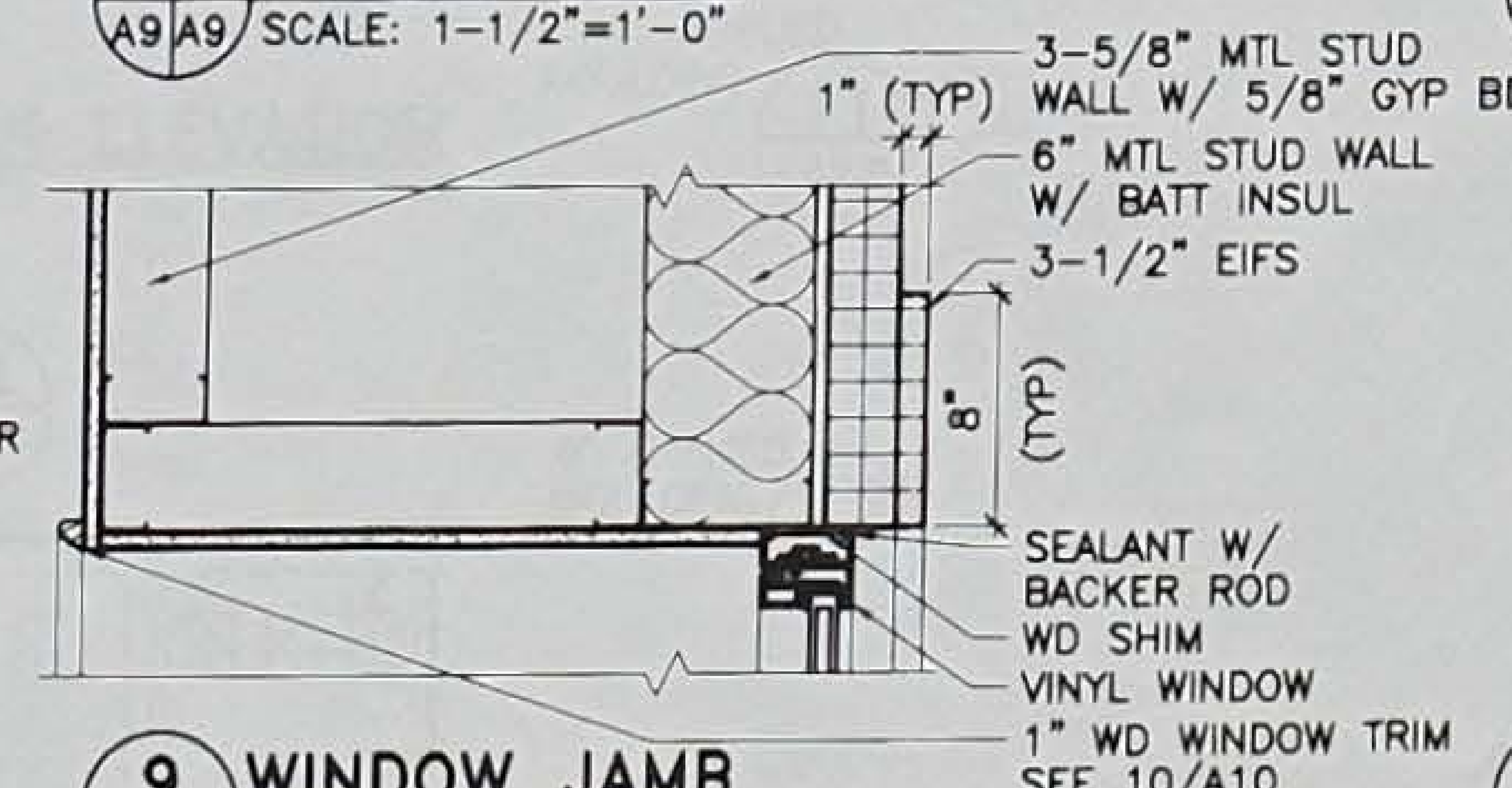
6 WINDOW HEAD (LOBBY) A9 A9 SCALE: 1-1/2"=1'-0"



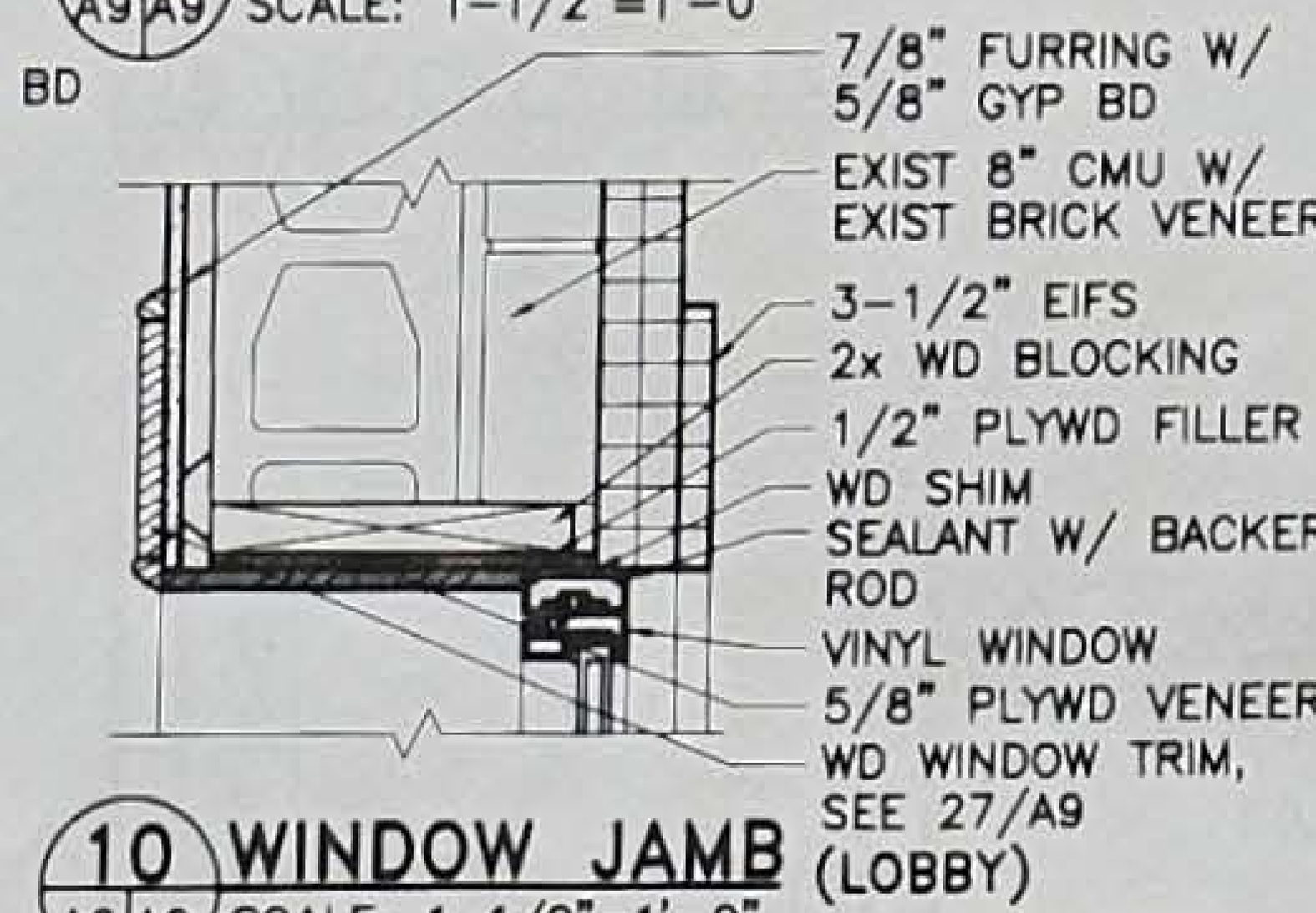
7 TYP WINDOW MULLION A9 A9 SCALE: 1-1/2"=1'-0"



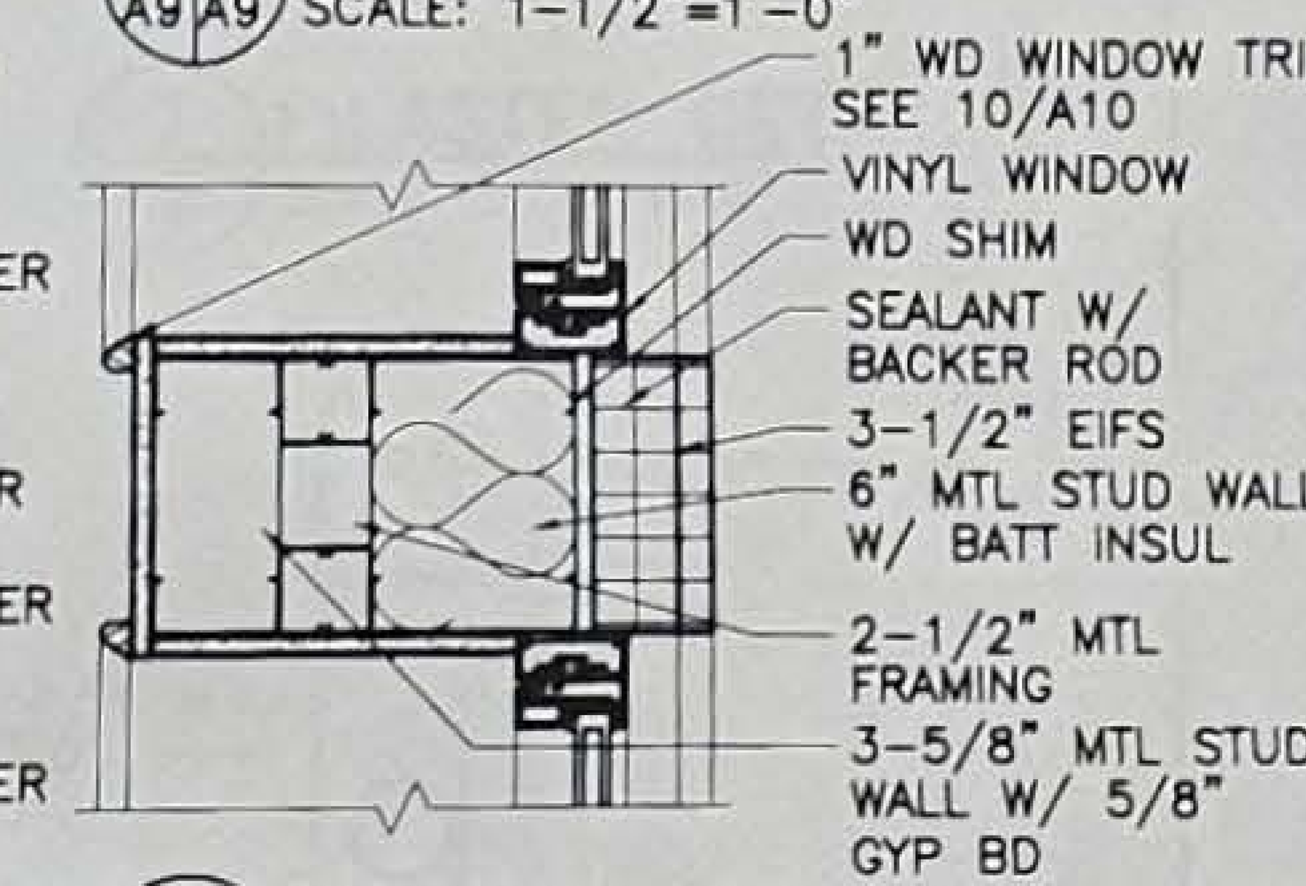
8 TYP WINDOW JAMB A9 A9 SCALE: 1-1/2"=1'-0"



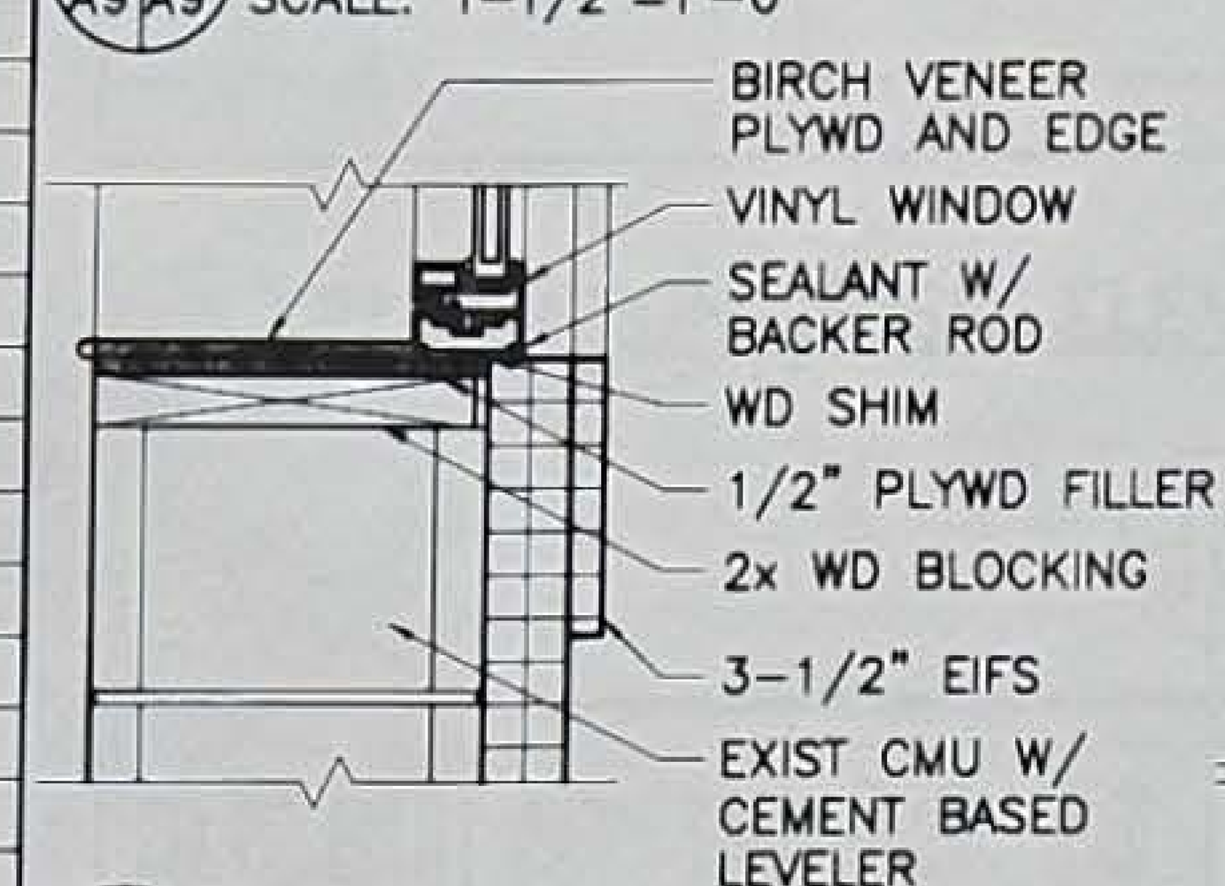
9 WINDOW JAMB (CLEARSTORY) A9 A9 SCALE: 1-1/2"=1'-0"



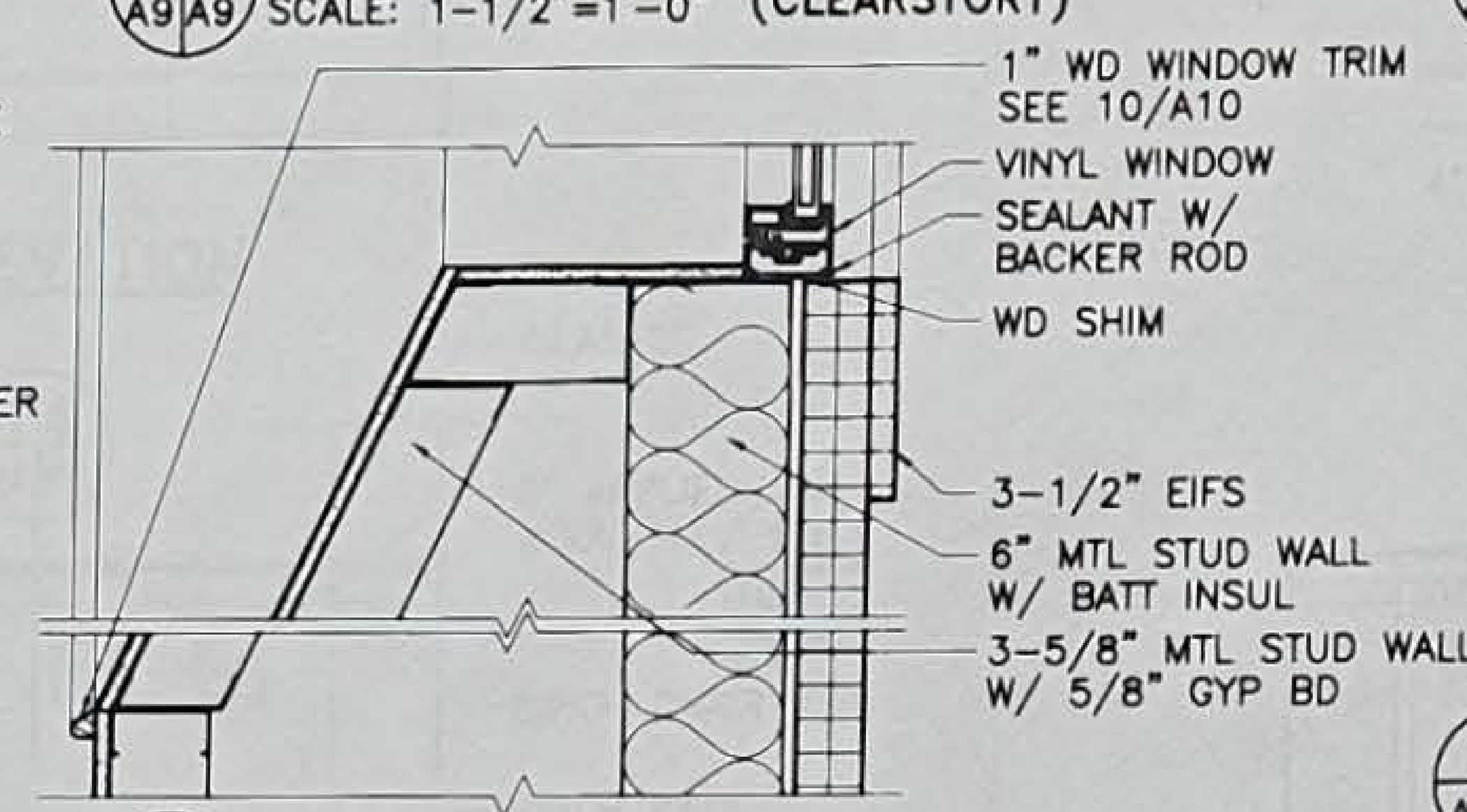
10 WINDOW JAMB (LOBBY) A9 A9 SCALE: 1-1/2"=1'-0"



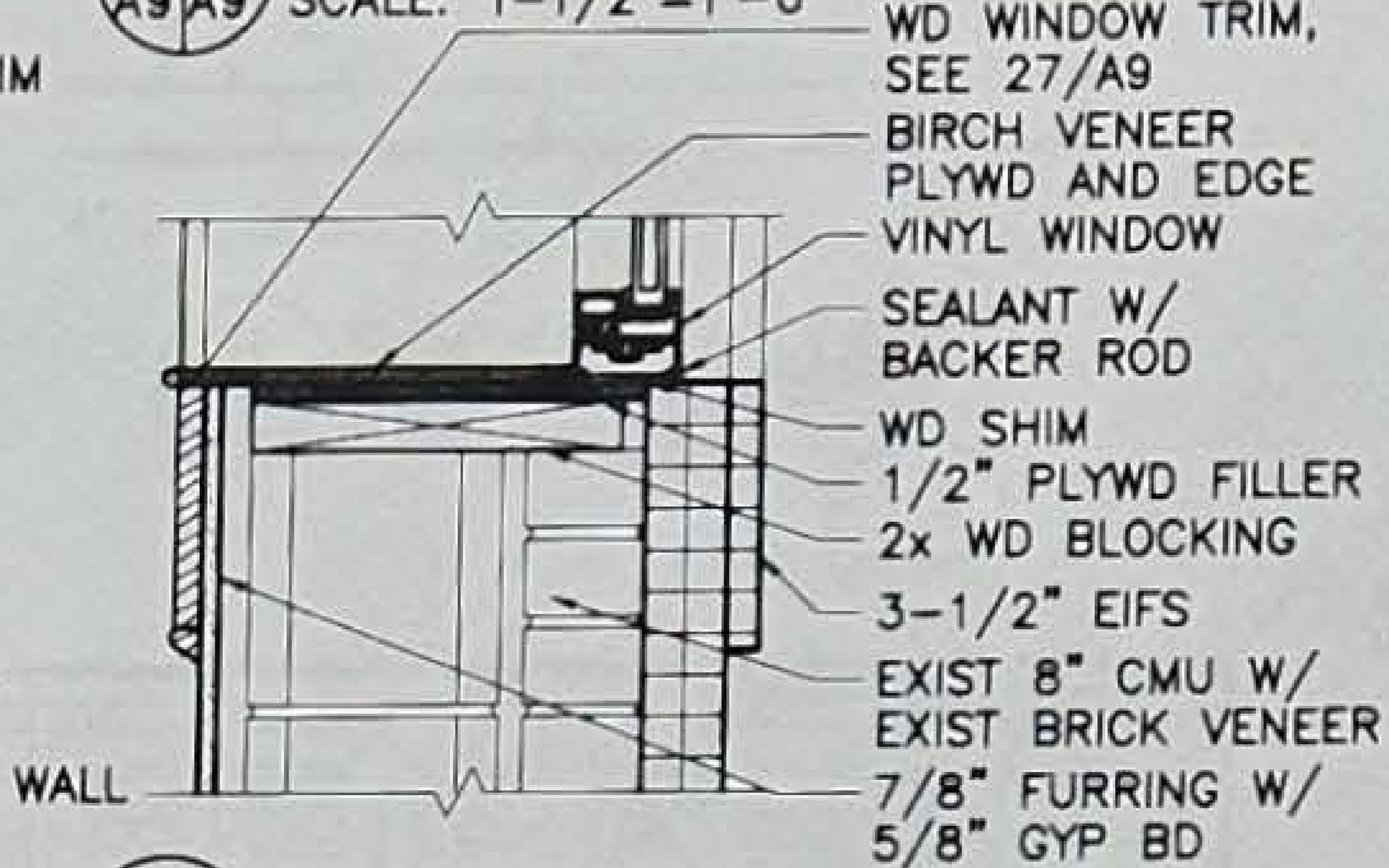
11 WINDOW MULLION (CLEARSTORY) A9 A9 SCALE: 1-1/2"=1'-0"



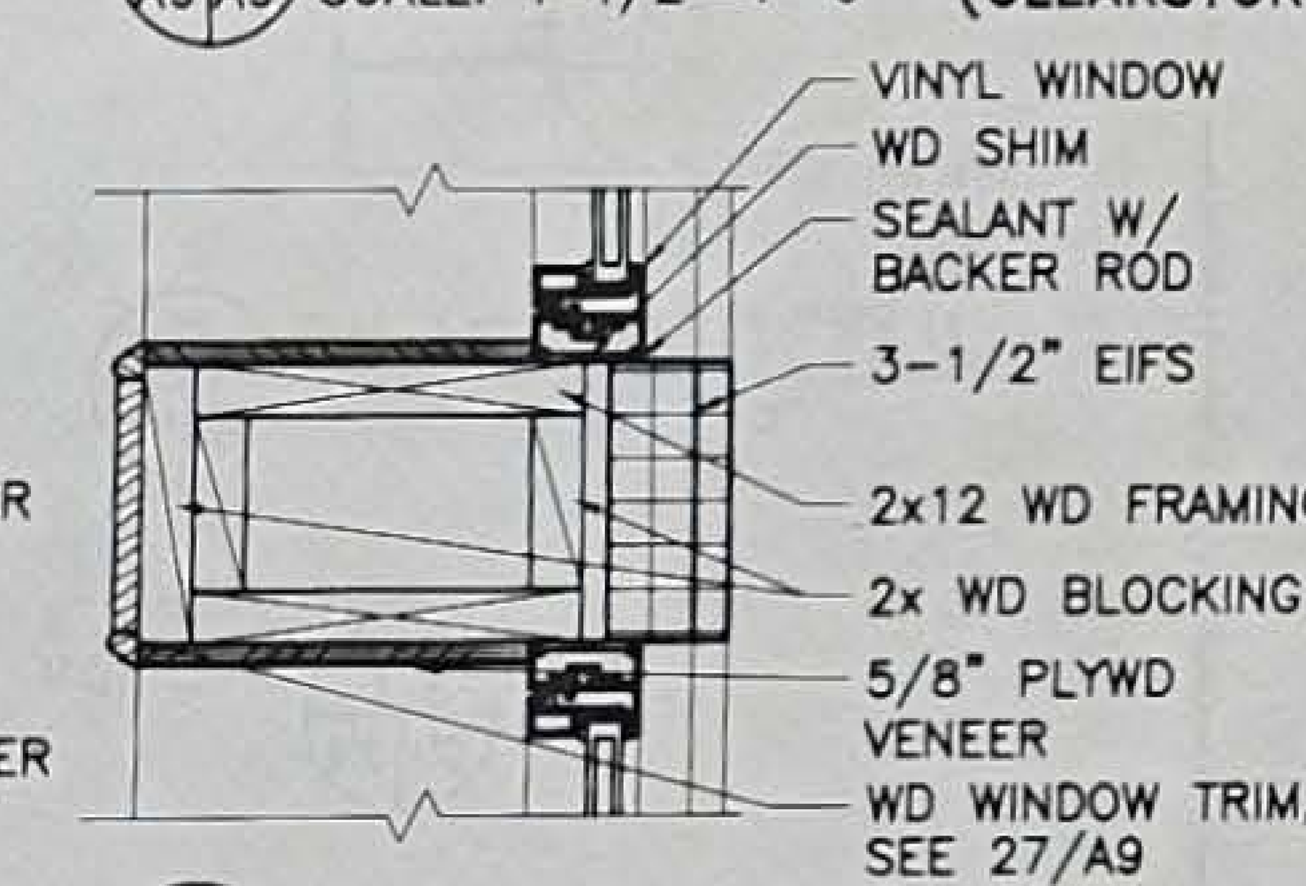
12 TYP WINDOW SILL A9 A9 SCALE: 1-1/2"=1'-0"



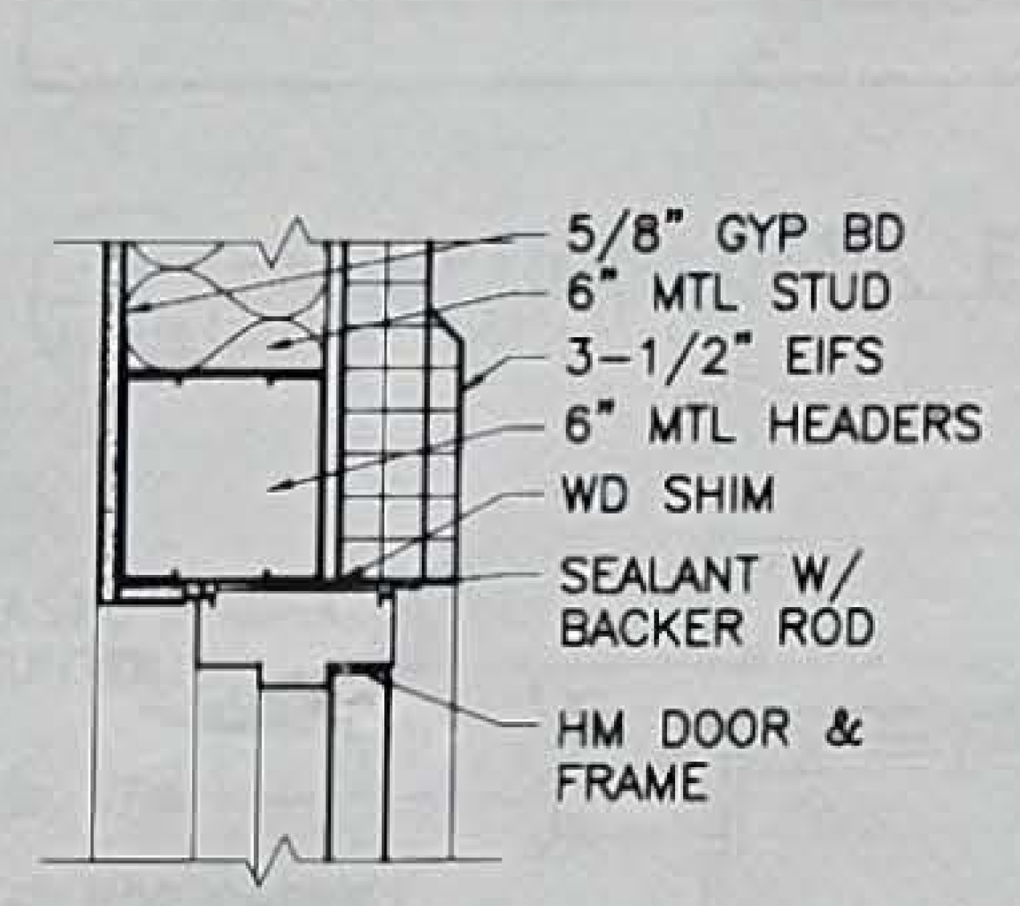
13 WINDOW SILL (CLEARSTORY) A9 A9 SCALE: 1-1/2"=1'-0"



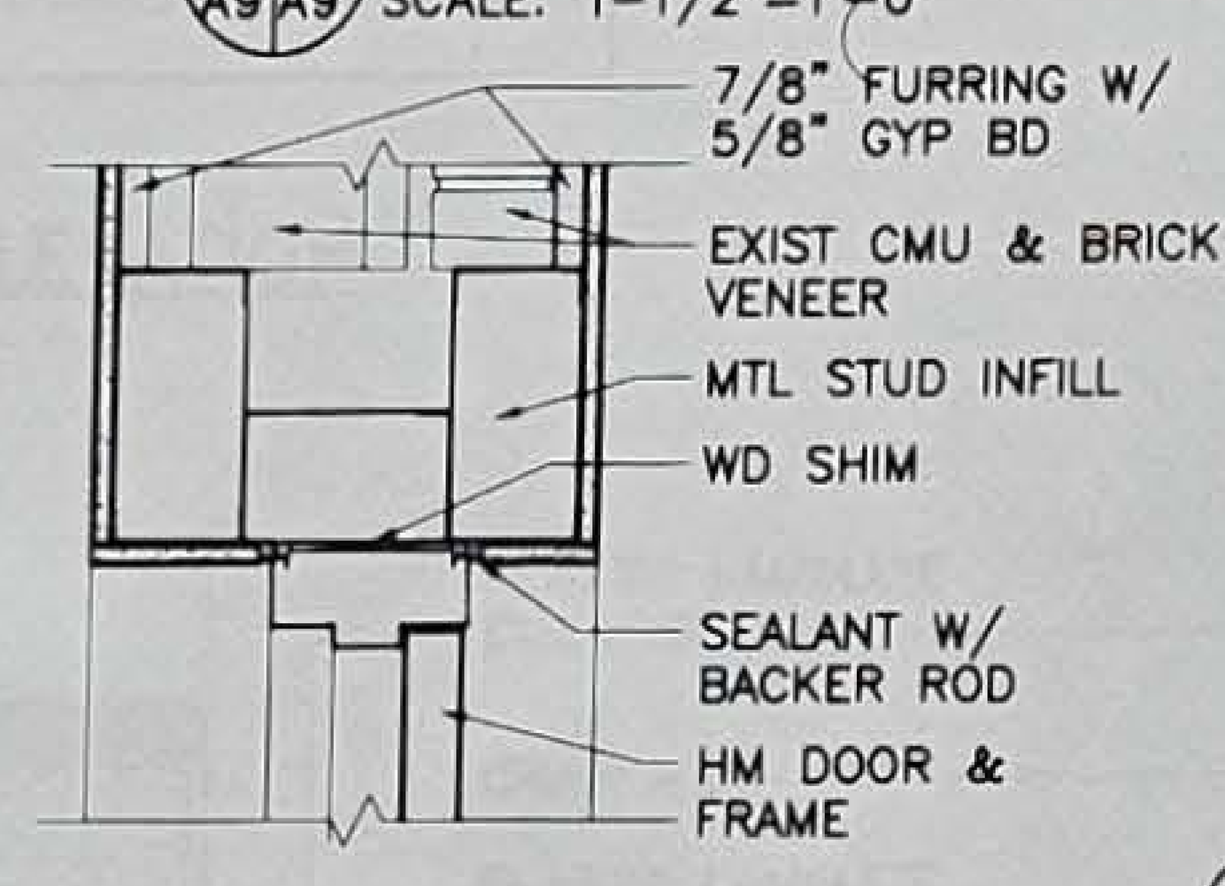
14 WINDOW SILL (LOBBY) A9 A9 SCALE: 1-1/2"=1'-0"



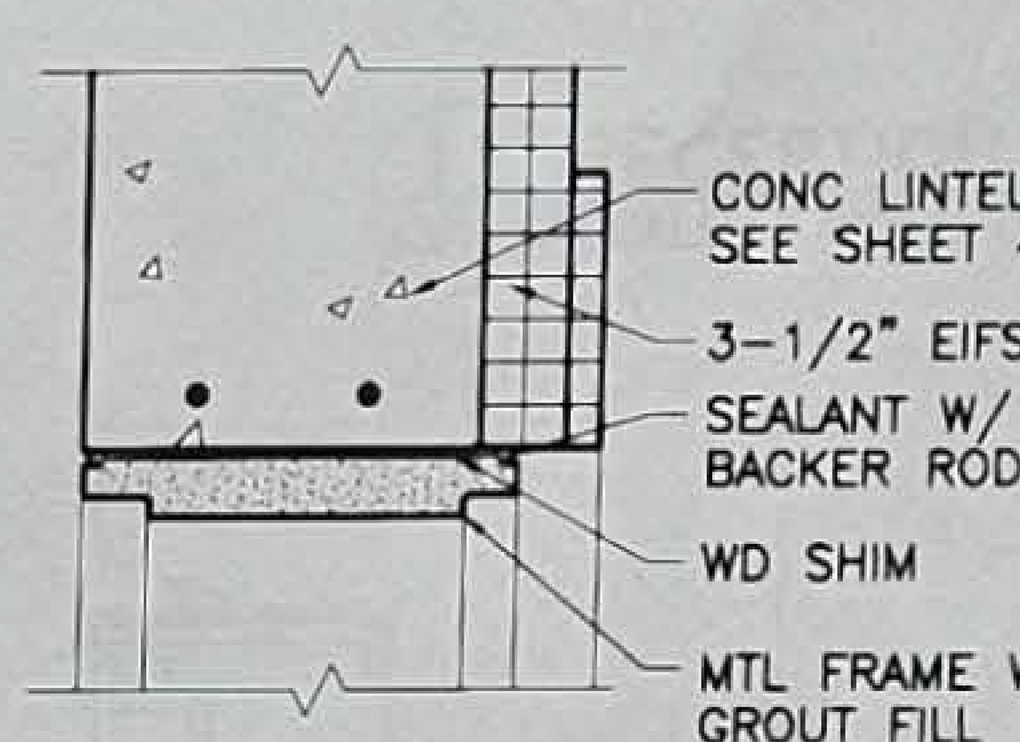
15 WINDOW MULLION (LOBBY) A9 A9 SCALE: 1-1/2"=1'-0"



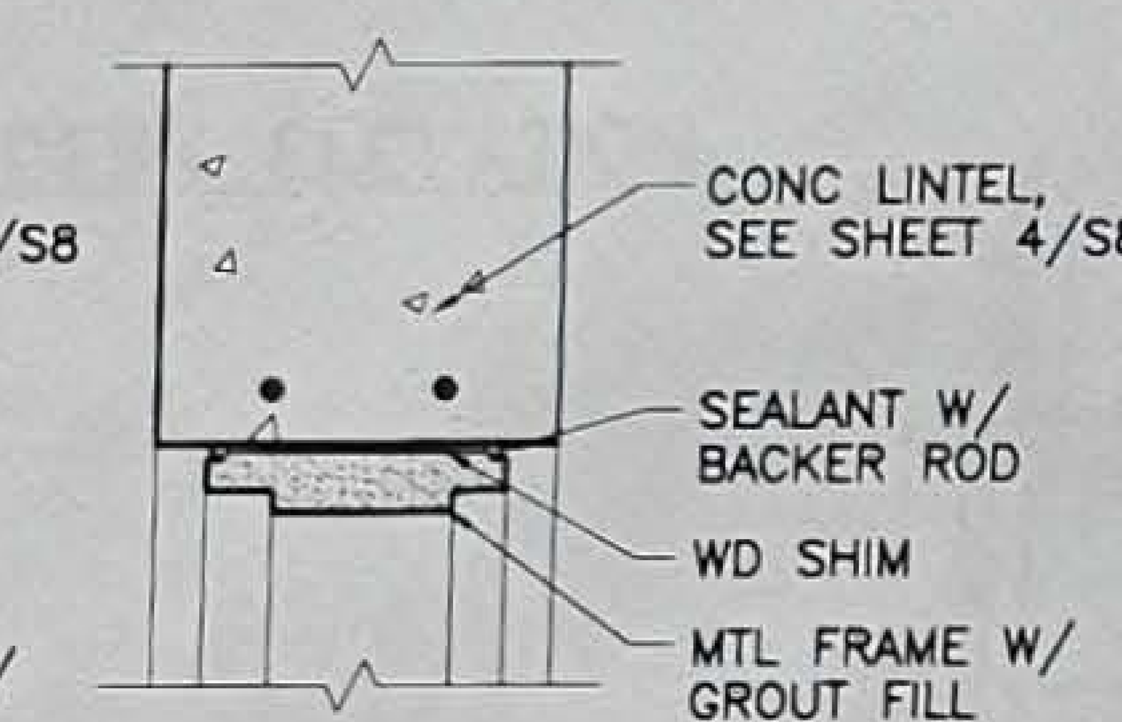
16 DOOR HEAD A9 A9 SCALE: 1-1/2"=1'-0"



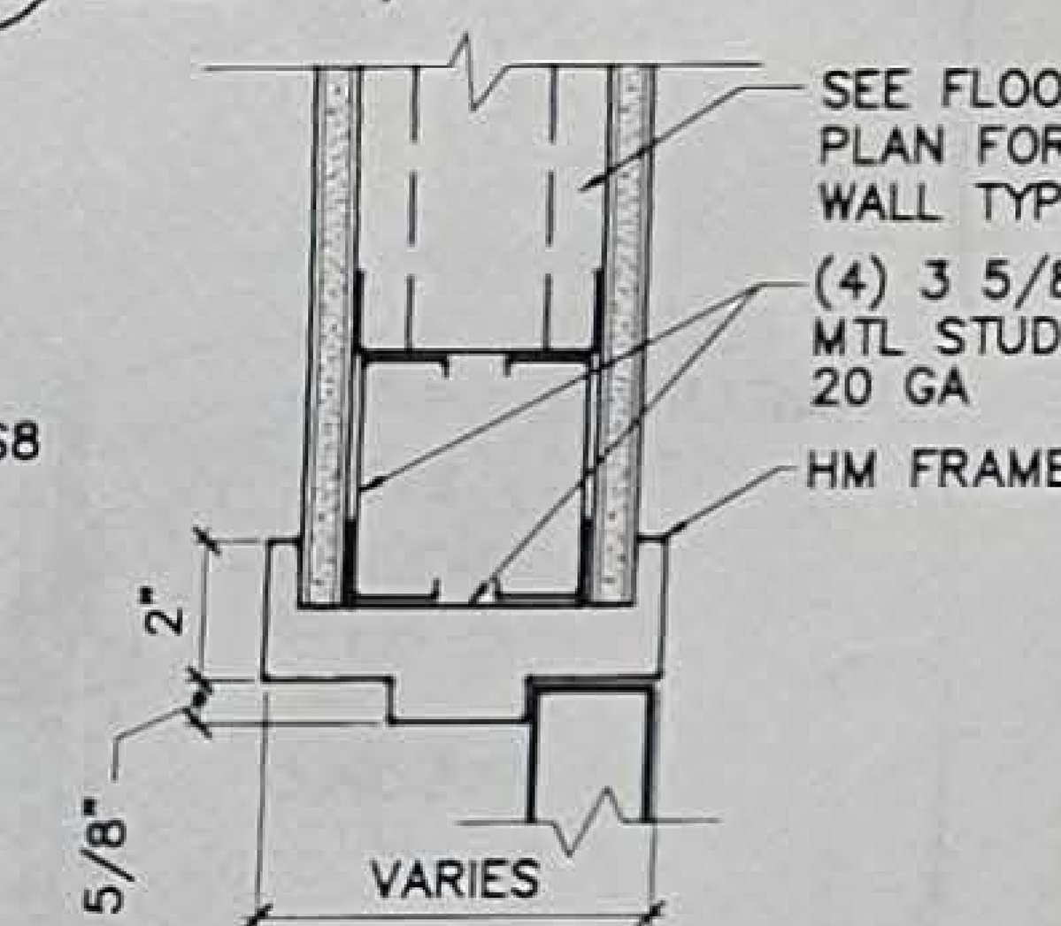
17 DOOR HEAD A9 A9 SCALE: 1-1/2"=1'-0"



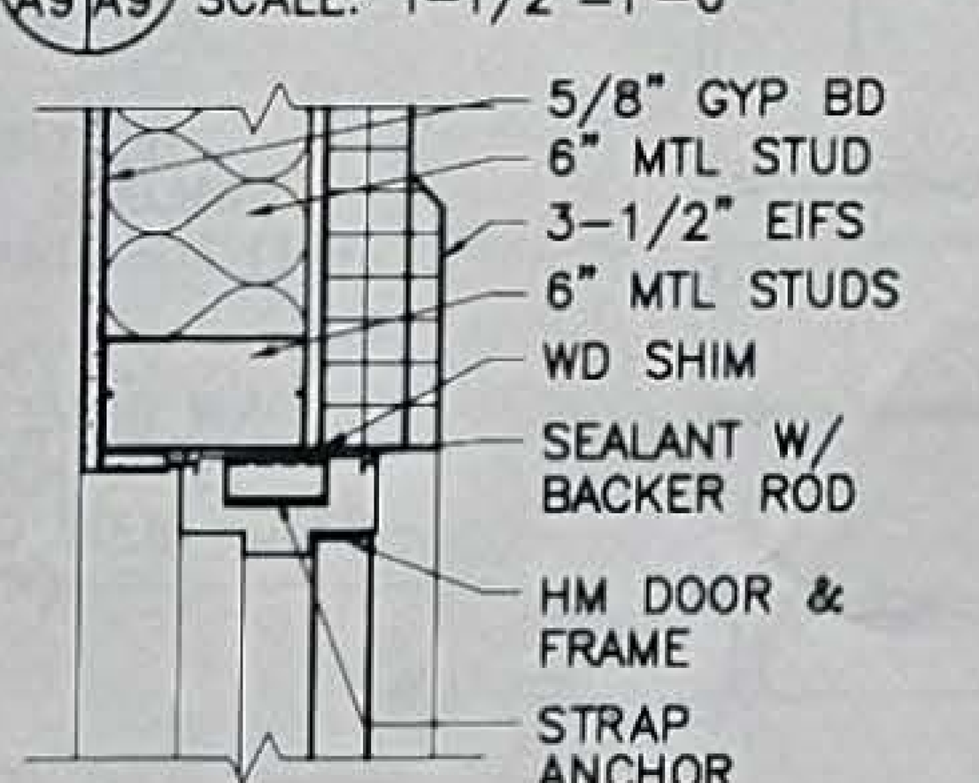
18 DOOR HEAD A9 A9 SCALE: 1-1/2"=1'-0"



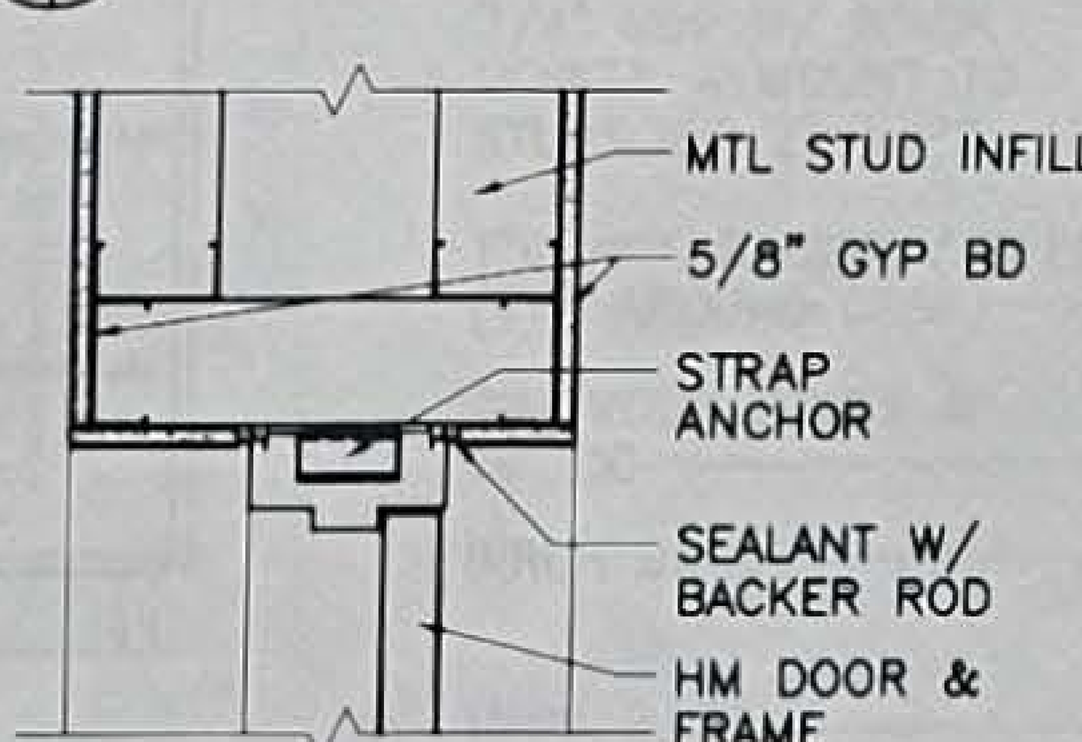
19 DOOR HEAD A9 A9 SCALE: 1-1/2"=1'-0"



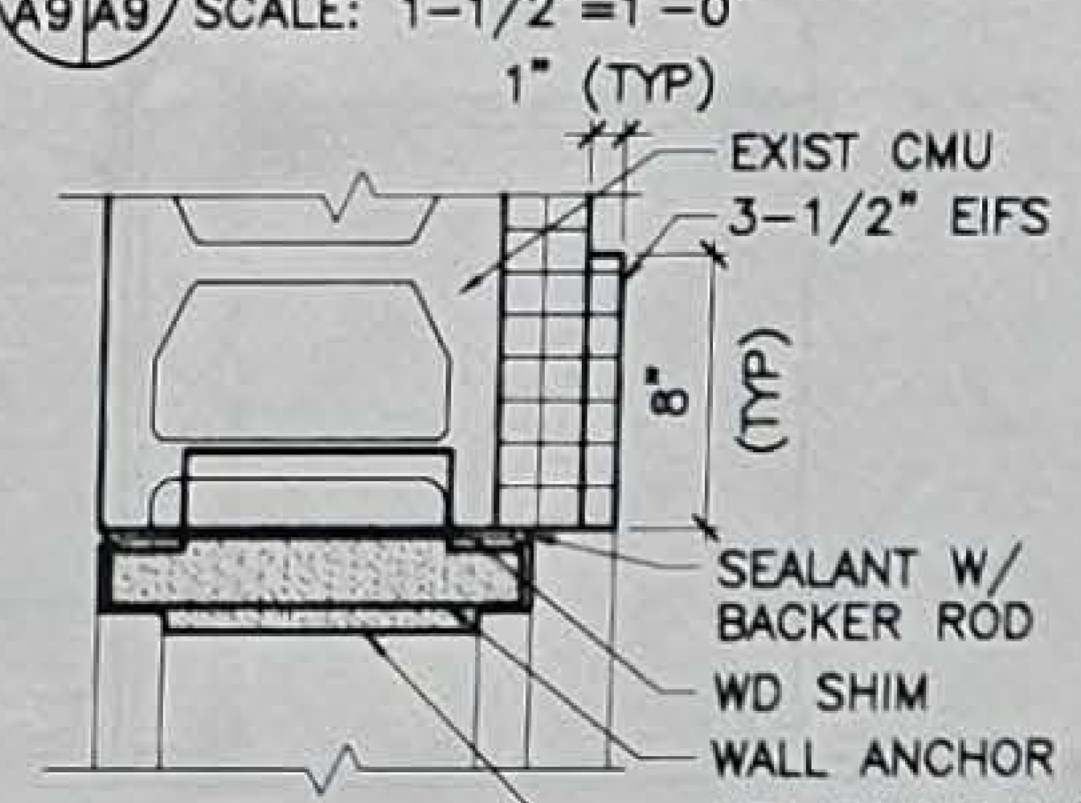
20 DOOR HEAD A9 A9 SCALE: 3"=1'-0"



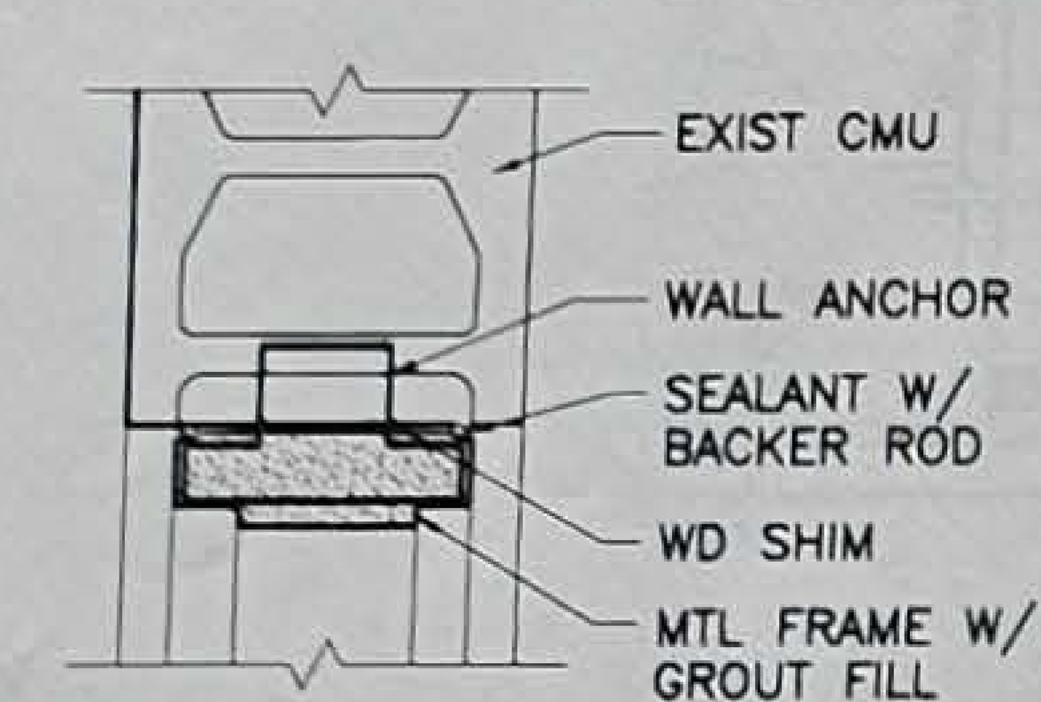
21 DOOR JAMB A9 A9 SCALE: 1-1/2"=1'-0"



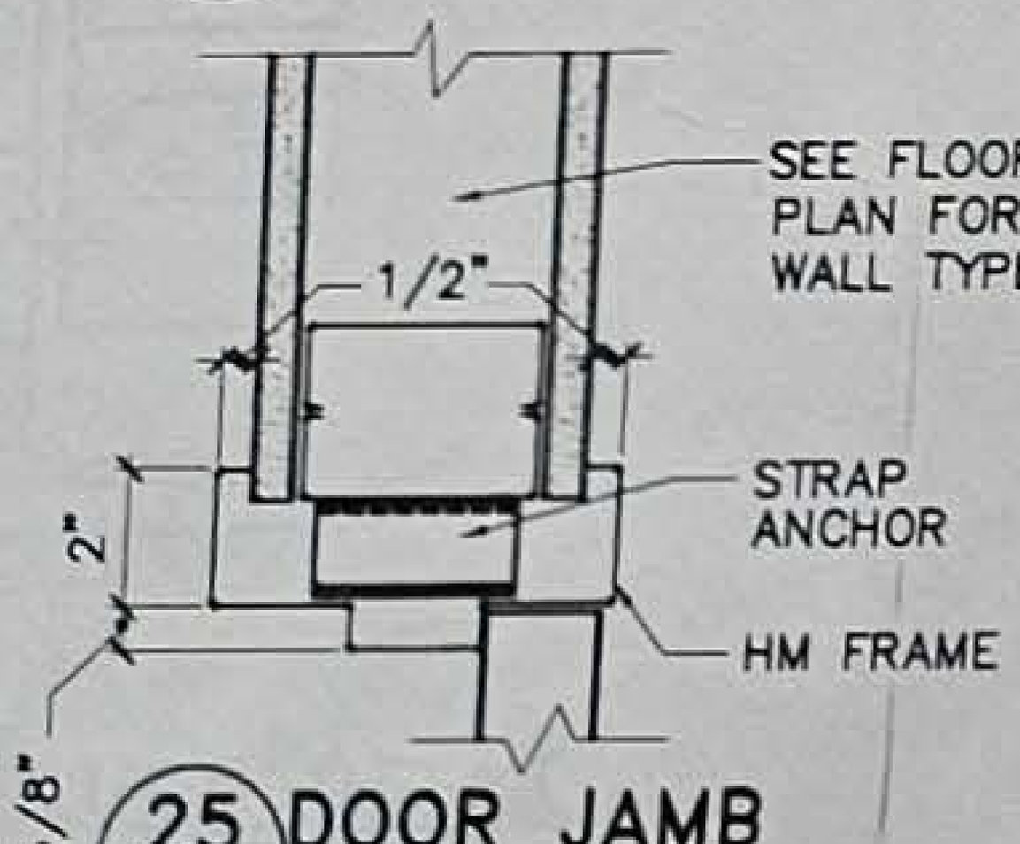
22 DOOR JAMB A9 A9 SCALE: 1-1/2"=1'-0"



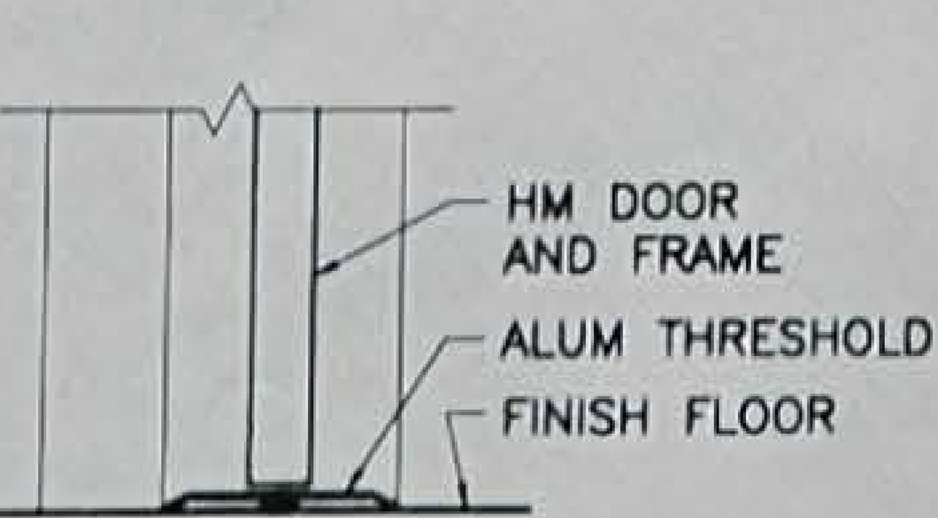
23 DOOR JAMB A9 A9 SCALE: 1-1/2"=1'-0"



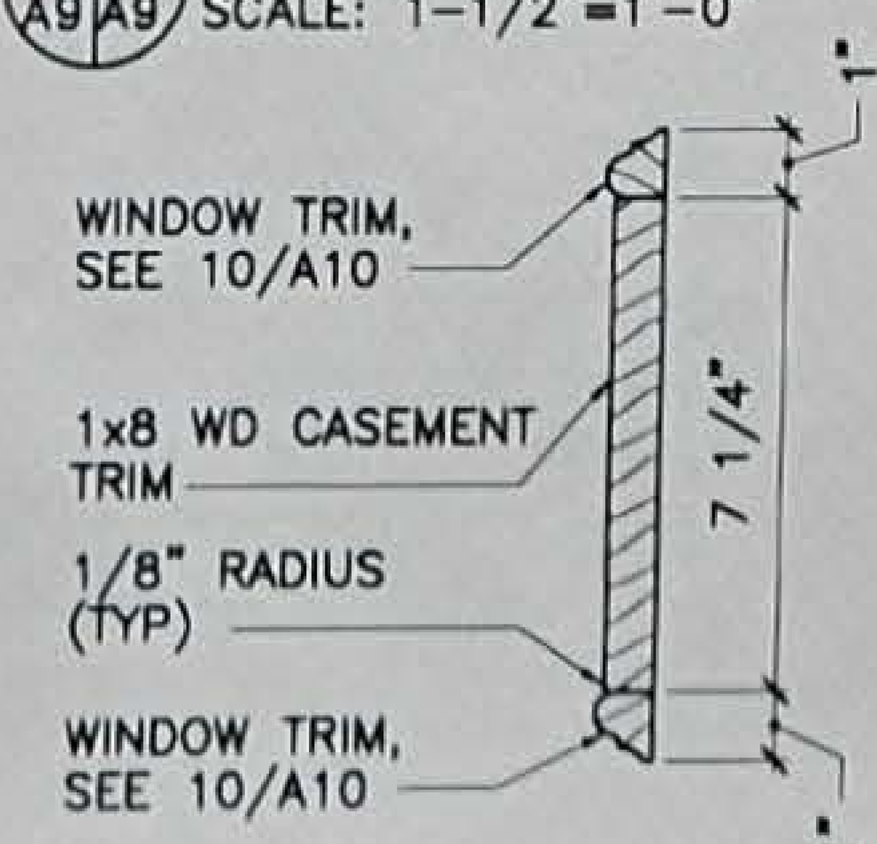
24 DOOR JAMB A9 A9 SCALE: 1-1/2"=1'-0"



25 DOOR JAMB A9 A9 SCALE: 3"=1'-0"

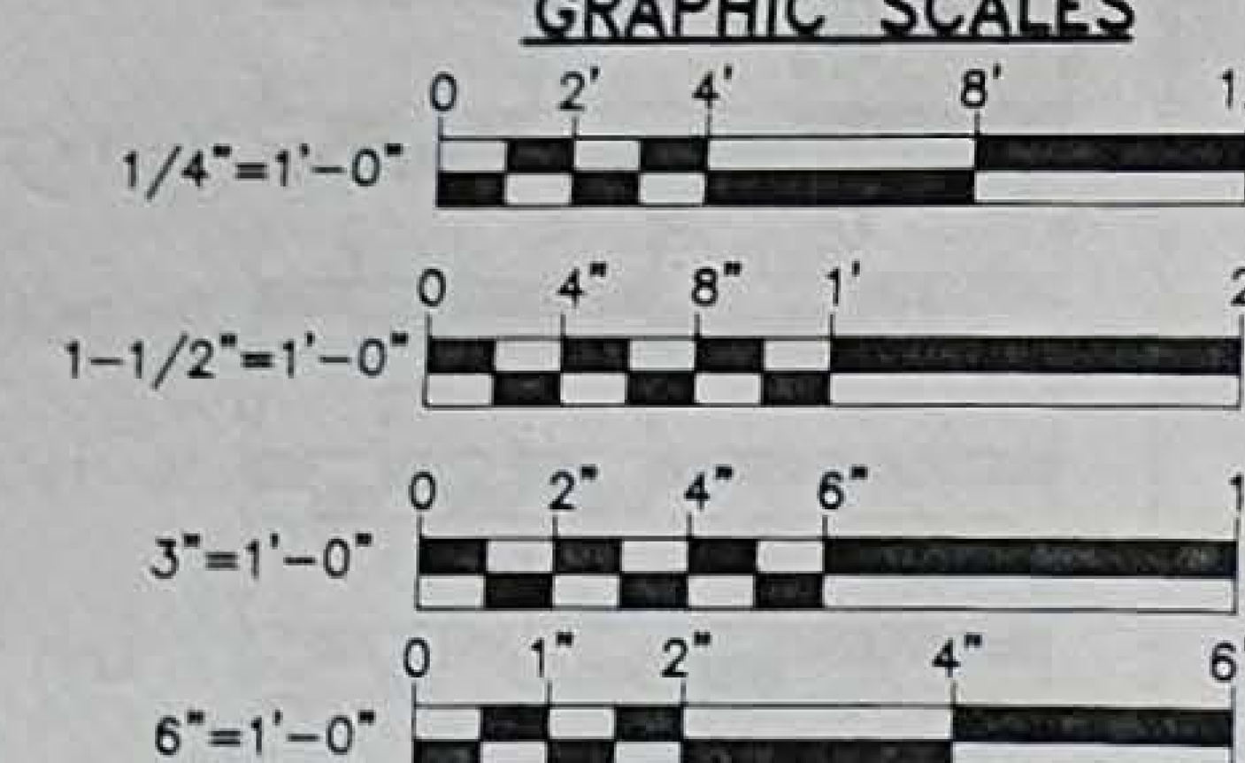


26 DOOR SILL A9 A9 SCALE: 1-1/2"=1'-0"



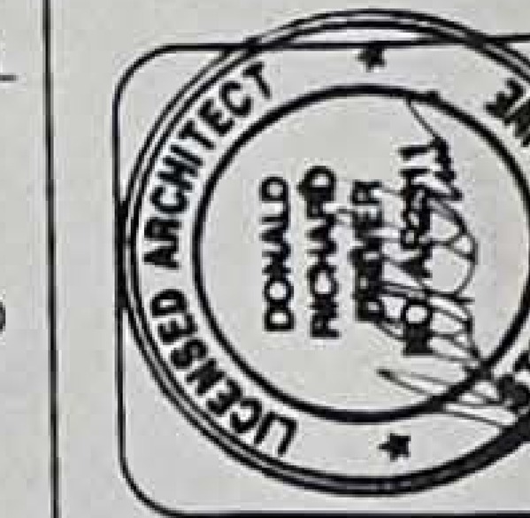
27 WINDOW TRIM A9 A9 SCALE: 6"=1'-0"

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

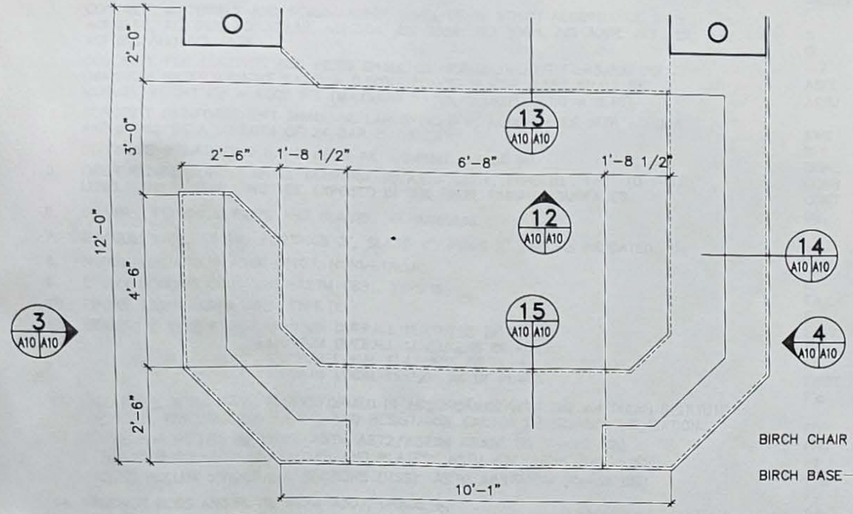


UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

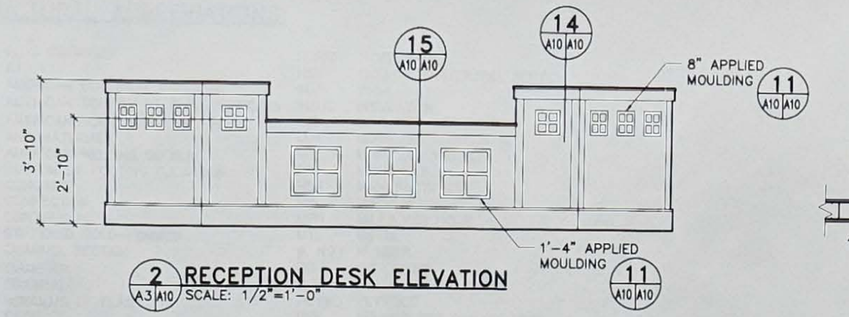
DATE:	10/20/00
DESIGN:	DRD
DRAWN:	MJC
CHECKED:	DRD
SCALE:	AS NOTED
JOB:	99014.04

DOOR SCHEDULE AND DETAILS

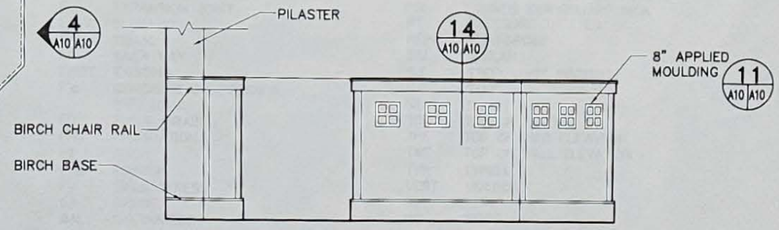
A9



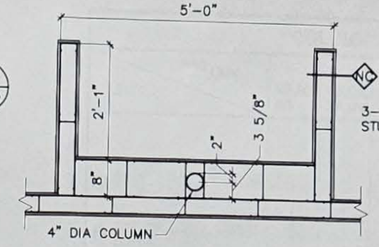
1 A1 A10 RECEPTION DESK ELEVATION
SCALE: 1/2"=1'-0"



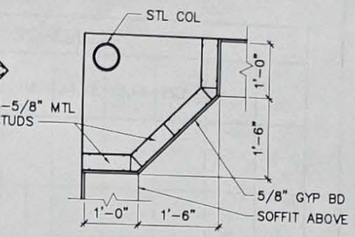
2 A3 A10 RECEPTION DESK ELEVATION
SCALE: 1/2"=1'-0"



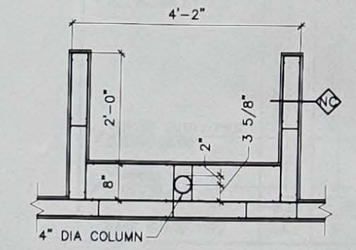
3 A10 A10 RECEPTION DESK ELEVATION
SCALE: 1/2"=1'-0"



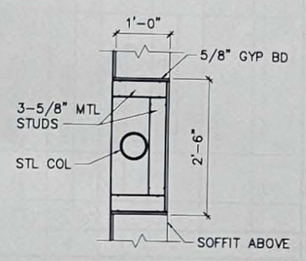
5 A1 A10 POCKET DETAIL
SCALE: 3/4"=1'-0"



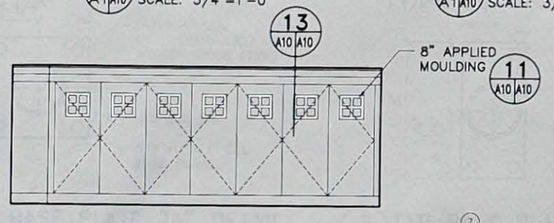
7 A1 A10 PILASTER DETAIL
SCALE: 3/4"=1'-0"



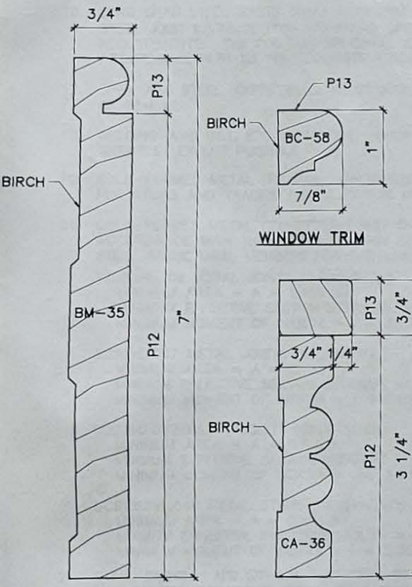
6 A1 A10 POCKET DETAIL
SCALE: 3/4"=1'-0"



8 A1 A10 PILASTER DETAIL
SCALE: 3/4"=1'-0"



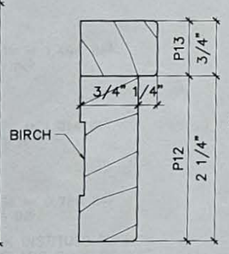
12 A10 A10 RECEPTION DESK ELEVATION
SCALE: 1/2"=1'-0"



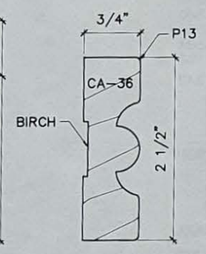
BASE

WINDOW TRIM

CHAIR RAIL



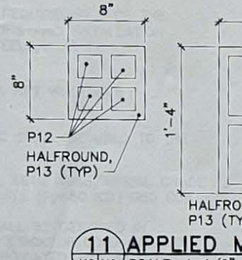
DESK TRIM



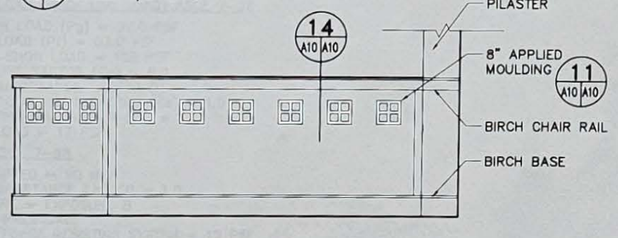
SOFFIT TRIM

10 A10 A10 MOULDING PROFILES
A4 FULL SCALE

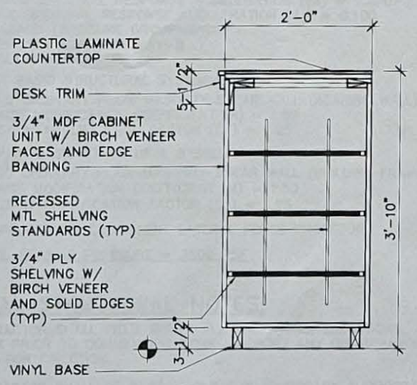
NOTE:
MOULDING DESIGNATIONS REFERENCE PRODUCTS BY "BLACK MOUNTAIN WOOD COMPANY, INC." SOUTH WINDHAM, MAINE.



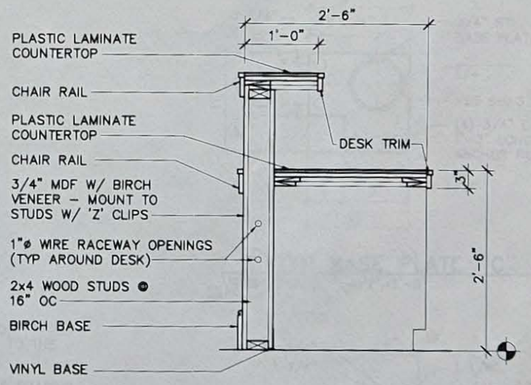
11 A10 A10 APPLIED MOULDING
SCALE: 1-1/2"=1'-0"



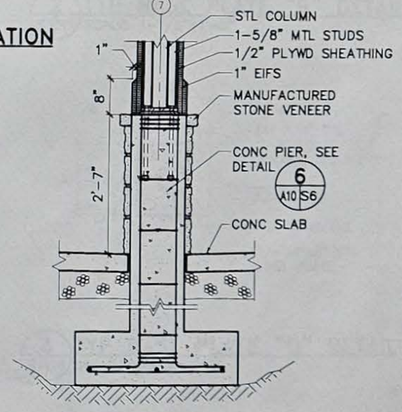
4 A10 A10 RECEPTION DESK ELEVATION
SCALE: 1/2"=1'-0"



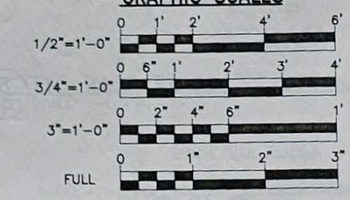
13 A10 A10 CASEWORK SECTION
SCALE: 1"=1'-0"



14 A10 A10 CASEWORK SECTION
SCALE: 1"=1'-0"



9 A7 A10 TYP COLUMN DETAIL
SCALE: 3/4"=1'-0"



CHECK GRAPHIC SCALES BEFORE USING

15 A10 A10 CASEWORK SECTION
SCALE: 1"=1'-0"

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

LICENSED ARCHITECT
DONALD RICHARD BOWYER
#4120
STATE OF MAINE

UNIVERSITY OF MAINE
AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: DRD
DRAWN: CRR
CHECKED: DRD
SCALE: AS NOTED
JOB: 99014.04

DETAILS

A10
19 OF 40

14.04-209.dwg 10-19-00 6:40:11 pm EST

STRUCTURAL NOTES:

1. CONCRETE MATERIALS AND WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH ACI 211.1, ACI 301, ACI 302.1R, ACI 304, ACI 305R, ACI 306.1, ACI 309R, ACI 315, ACI 318 AND ACI 347R.
2. CONCRETE FOR FOOTINGS AND PIERS SHALL BE NORMAL WEIGHT F'c=3,000 PSI (MAXIMUM WATER/CEMENT RATIO = 0.50). CONCRETE FOR SLABS SHALL BE NORMAL WEIGHT F'c = 4000 PSI (MAXIMUM WATER/CEMENT RATIO = 0.45).
3. CONCRETE REINFORCEMENT SHALL BE LAP SPLICED IN ACCORDANCE WITH ACI 301 AND SHALL BE A MINIMUM OF 24 BAR DIAMETERS.
4. DEFORMED REINFORCING BARS–ASTM A615/A615M, GRADE 60.
5. FIBER REINFORCEMENT SHALL CONFORM TO ASTM C1116, TYPE III , 1/2" TO 1-1/2" LONG. FIBERS SHALL NOT BE EXPOSED IN THE FINAL FINISHED SURFACES.
6. SLUMP: FOOTINGS, PIERS AND SLABS: 4" MAXIMUM.
7. MINIMUM STEEL COVER: FOOTINGS 3", SLABS 2", PIERS 2" AND AS INDICATED.
8. NONSHRINK GROUT–ASTM C1107, NONMETALLIC.
9. EPOXY BONDING COMPOUND–ASTM C881, TYPE II.
10. EPOXY GROUT–ASTM C881, TYPE IV.
11. CONCRETE SLAB FINISH: MINIMUM OVERALL FLATNESS OF FF–25
    MINIMUM OVERALL LEVELNESS OF FL–20
    MINIMUM LOCAL FLATNESS OF FF–17
    MINIMUM LOCAL LEVELNESS OF FL–15
12. ALL STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S LOAD AND RESISTANCE FACTOR DESIGN–SECOND EDITION.
13. STEEL FOR ROLLED SECTIONS: ASTM A572/A572M GRADE 50 (Fy=50 KSI)
    STEEL FOR CONNECTIONS, ANGLES AND PLATES: ASTM A36/A36M (Fy=36 KSI)
    ROUND HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A53/A53M (Fy=36 KSI)
14. ANCHOR RODS AND NUTS: ASTM A307, GRADE A.
    WASHERS: ASTM A36.
15. STRUCTURAL BOLTS, NUTS AND WASHERS: ASTM A325/A325M N, TYPE 1, UNLESS NOTED OTHERWISE.
16. LONG SPAN STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS AND INSTALLATION REQUIREMENTS. THE CONTRACTOR SHALL ERECT STEEL JOISTS IN ACCORDANCE WITH SJI PRINTED INSTRUCTIONS.
17. OPEN WEB STEEL JOISTS SHALL BE DESIGNED FOR A NET WIND UPLIFT OF 10 PSF.
18. WELDING–AWS D1.1, E70 ELECTRODE. SHOP WELDING SHALL BE USED TO THE GREATEST EXTENT POSSIBLE.
19. COLD–FORMED METAL FRAMING: GALVANIZED STEEL ASTM A653/A653M, GRADE 33 FOR STUDS AND TRACKS, GRADE 50 FOR METAL JOISTS (Fy=50 KSI) G60 COATING.
20. COLD–FORMED METAL CONNECTIONS NOT SHOWN SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF AISI'S DESIGN OF COLD–FORMED STEEL STRUCTURAL MEMBERS FOR THE REACTIONS INDICATED AND REQUIRED.

    12CS2x0.108 METAL JOISTS (GALVANIZED)
    MINIMUM AREA = A = 1.665 IN^2
    MINIMUM EFFECTIVE SECTION MODULUS = Se = 5.003 IN^3
    MINIMUM MOMENT OF INERTIA = I = 30.054 IN^4

    8CS2x0.057 METAL JOISTS (GALVANIZED)
    MINIMUM AREA = A = 0.730 IN^2
    MINMUM EFFECTIVE SECTION MODULUS = Se = 1.496 IN^3
    MINIMUM MOMENT OF INERTIA = I = 6.614 IN^4

    6CS2x0.057 METAL JOISTS (GALVANIZED)
    MINIMUM AREA = A = 0.616 IN^2
    MINMUM EFFECTIVE SECTION MODULUS = Se = 1.014 IN^3
    MINIMUM MOMENT OF INERTIA = I = 3.340 IN^4

    6CS1.63x0.045 METAL STUDS (GALVANIZED)
    MINIMUM AREA = A = 0.453 IN^2
    MINMUM EFFECTIVE SECTION MODULUS = Se = 0.780 IN^3
    MINIMUM MOMENT OF INERTIA = I = 2.353 IN^4
21. STEEL DECKS: AISI SG–673 AND STEEL DECK INSTITUTE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS". DECK UNITS ASTM A653/A653 SQ, GRADE 33 OR ASTM A792/A792M, GRADE 33 COATING Z275 FOR ASTM A653/A653M. STEEL FORM DECK–NONCELLULAR, GRADE E COATING G 60 FOR ASTM A653/A653M AND AZ165 FOR ASTM A792/A792M.

    STEEL ROOF DECK–NONCELLULAR, GRADE C.
    MINIMUM DEPTH=1-1/2" (MINIMUM DESIGN THICKNESS: 0.0358 IN (20 GAUGE))
    MINIMUM SECTION MODULUS = Sx = 0.247 IN^3
    MINIMUM MOMENT OF INERTIA = Ix =0.292 IN^4
    MINIMUM YIELD STRESS = Fy = 33.0 KSI
    MINIMUM DIAPHRAGM SHEAR = V = 120 PLF
22. PROTECT ANCHOR BOLTS FROM DAMAGE. REMOVE DAMAGED ANCHOR BOLTS AND PROVIDE ANCHOR BOLTS AS DIRECTED BY THE ARCHITECT.
23. ROOF SHEATHING: C–D EXT–APA WITH EXTERIOR GLUE; 5/8" WITH IDENTIFICATION INDEX 48/24. LAY UP WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER JOINTS. EACH PLYWOOD PIECE TO BE CONTINUOUS OVER A MINIMUM OF TWO SPANS WITH A MINIMUM WIDTH OF 1'–0" UNLESS BLOCKING IS PROVIDED AT ALL JOINTS.

STRUCTURAL ABBREVIATIONS:

±	PLUS OR MINUS
@	AT
ACI	AMERICAN CONCRETE INSTITUTE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BFE	BOTTOM OF FOOTING ELEVATION
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CS	STIFFENED COLD–FORMED CHANNEL SECTION
DIA	DIAMETER
DWG	DRAWING
E	MODULUS OF ELASTICITY
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
EQ	EQUAL
EW	EACH WAY
EXIST	EXISTING
F'c	CONCRETE COMPRESSIVE STRENGTH
FD	FLOOR DRAIN
FND	FOUNDATION
FT	FEET
FTG	FOOTING
Fy	YIELD STRESS
GA	GAUGE
GALV	GALVANIZED
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
IN	INCH
INSUL	INSULATION
KSI	KIPS PER SQUARE INCH
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LW	LONG WAY
MFR	MANUFACTURER
MIN	MINIMUM
MPH	MILES PER HOUR
MTL	METAL
#, NO	NUMBER
OC	ON CENTER
PL	PLATE
PLYWD	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
REINF	REINFORCED
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
STL	STEEL
SW	SHORT WAY
TOS	TOP OF STEEL
TPE	TOP OF PIER ELEVATION
TWE	TOP OF WALL ELEVATION
TYP	TYPICAL
VERT	VERTICAL
W/	WITH
WD	WOOD

BUILDING DESIGN LOADS

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7–98

GROUND SNOW LOAD (Pg) = 90.0 PSF
ROOF SNOW LOAD (Pf) = 63.0 PSF
UNBALANCED SNOW LOAD = 105 PSF
SNOW EXPOSURE FACTOR (Ce) = 0.9
SNOW LOAD IMPORTANCE FACTOR (I) = 1.0
SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0
SNOW LOAD THERMAL FACTOR (Ct) = 1.1
ROOF DEAD LOAD = 17 PSF

WIND LOAD ASCE 7–98

BASIC WIND SPEED = 90 MPH
WIND LOAD IMPORTANCE FACTOR = 1.0
WIND EXPOSURE = EXPOSURE B
WIND DESIGN PRESSURE:
MAIN WIND FORCE RESISTING SYSTEM = 12 PSF (MAXIMUM PRESSURE)

SEISMIC DESIGN DATA ASCE 7–98

SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.270
ONE SECOND SPECTRAL RESPONSE ACCELERATION (S_1) = 0.100
SEISMIC HAZARD EXPOSURE GROUP=GROUP I
SEISMIC PERFORMANCE CATEGORY=B
SOIL–PROFILE TYPE=C

EAST–WEST BASIC STRUCTURAL SYSTEM=
EXISTING ORDINARY PLAIN MASONRY SHEAR WALL (BEARING WALL):
RESPONSE MODIFICATION COEFFICIENT (R) = 1.50
DEFLECTION AMPLIFICATION FACTOR (Cd) = 1.25

NORTH–SOUTH BASIC STRUCTURAL SYSTEM=
EXISTING ORDINARY PLAIN MASONRY SHEAR WALL (BUILDING FRAME):
RESPONSE MODIFICATION COEFFICIENT (R) = 1.50
DEFLECTION AMPLIFICATION FACTOR (Cd) = 1.25

ANALYSIS PROCEDURE=EQUIVALENT LATERAL FORCE PROCEDURE

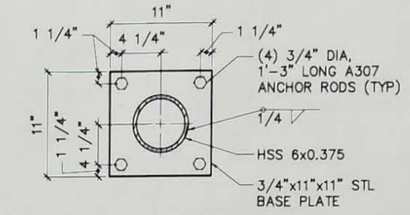
DESIGN SOIL BEARING PRESSURE = 3500 PSF

GENERAL STRUCTURAL NOTES:

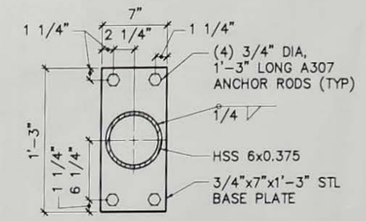
1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR DIRECTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SUPPORT AND BRACING OF ALL EXISTING AND NEW FOUNDATIONS AND FRAMING DURING CONSTRUCTION TO PREVENT FAILURE AND DAMAGE.
3. COORDINATE THE LOCATION OF CONCRETE AND STEEL MEMBERS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL PLANS AND DETAILS, AND EXISTING BUILDING COMPONENTS.
4. THE LOCATION OF THE EXISTING ROOF STRUCTURE IS BASED ON ORIGINAL CONSTRUCTION DOCUMENTS AND FIELD INVESTIGATIONS. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF COLUMNS TO BE PROVIDED AND SATISFY HIM/HERSELF THAT THE COLUMNS CAN BE INSTALLED WITHOUT MODIFICATIONS TO THE EXISTING BUILDING STRUCTURE EXCEPT AS INDICATED. IF UNFORESEEN CONDITIONS EXIST THAT WOULD PREVENT THE INSTALLATION OF A COLUMN OR COLUMNS FROM BEING INSTALLED AS INDICATED WITHOUT ADDITIONAL MODIFICATIONS TO THE EXISTING BUILDING STRUCTURE, THE CONTRACTOR SHALL CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. ALL COLUMN LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.

COLUMN SCHEDULE

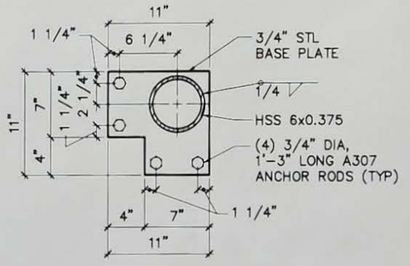
LEVEL \ COLUMN	C3,D3, G3	H3,C4, D4,G4	H4	A1,B2,	E5,F5	E6,F6
TOP OF HIPPED ROOF STEEL COLUMNS ELEV=378.76'						
TOP OF STEEL JOISTS ELEV=371.82'						
TOP OF PARTITION SUPPORT COUMNS ELEV=367.74'						
TOP OF ENTRY STEEL ELEV=366.53'						
TOP OF ENTRY PIER ELEV=356.90'	HSS 6x0.375	HSS 6x0.375	HSS 6x0.375	HSS 4x0.25	HSS 3.5x0.313	HSS 3.5x0.313
TOP OF 3" TOPPING SLAB ELEV=354.32'	-6.25"	-6.25"	-6.25"	-3.00"		
BASE PLATE TYPE	A	B	C	F	E	D



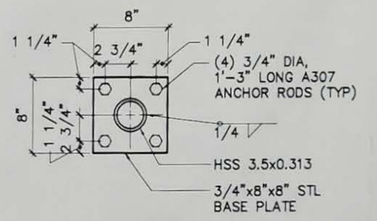
1 TYP BASE PLATE "A" DETAIL
S6 S1 S1 SCALE: 1-1/2"=1'-0"



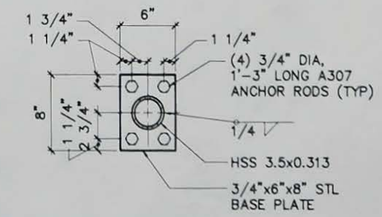
2 TYP BASE PLATE "B" DETAIL
S6 S1 S1 SCALE: 1-1/2"=1'-0"



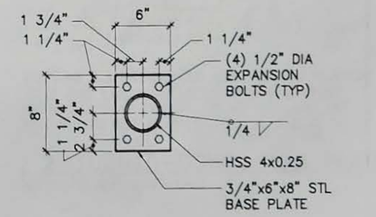
3 TYP BASE PLATE "C" DETAIL
S6 S1 S1 SCALE: 1-1/2"=1'-0"



4 TYP BASE PLATE "D" DETAIL
S5 S1 S1 SCALE: 1-1/2"=1'-0"



5 TYP BASE PLATE "E" DETAIL
S1 S1 SCALE: 1-1/2"=1'-0"



6 TYP BASE PLATE "F" DETAIL
S1 S1 SCALE: 1-1/2"=1'-0"

GRAPHIC SCALE
1-1/2"=1'-0" 0 4" 8" 1' 2'
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

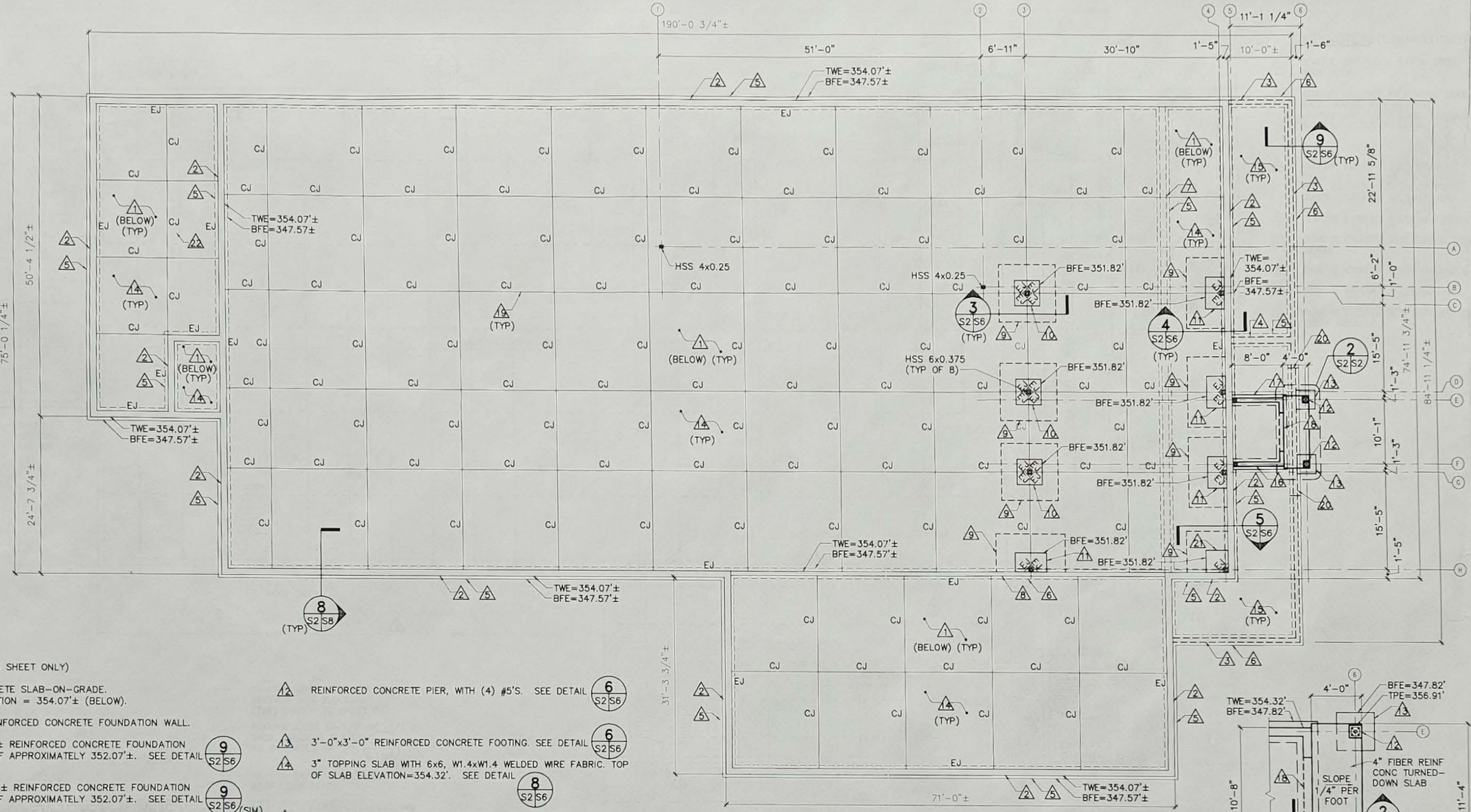
STATE OF MAINE DAVID N. MARTIN REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED
JOB:	99014.04

STRUCTURAL NOTES, ABBREVIATIONS, DESIGN LOADS AND DETAILS

S1
20 OF 40



1 S2 S2 FOUNDATION PLAN
SCALE: 1/8"=1'-0"

PLAN NORTH

EXISTING 8"± REINFORCED CONCRETE FOUNDATION WALL AND EXISTING 1'-8"x1'-0"± REINFORCED CONCRETE WALL FOOTING TO BE REMOVED ARE NOT SHOWN FOR CLARITY. SEE 3 AND 6

2 S2 S2 TURNED-DOWN SLAB PLAN
SCALE: 1/4"=1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. EXISTING 4"± CONCRETE SLAB-ON-GRADE. TOP OF SLAB ELEVATION = 354.07'± (BELOW).
2. EXISTING 1'-0"± REINFORCED CONCRETE FOUNDATION WALL.
3. REMOVE EXISTING 8"± REINFORCED CONCRETE FOUNDATION WALL TO A DEPTH OF APPROXIMATELY 352.07'±. SEE DETAIL 9 S2 S6
4. REMOVE EXISTING 12"± REINFORCED CONCRETE FOUNDATION WALL TO A DEPTH OF APPROXIMATELY 352.07'±. SEE DETAIL 9 S2 S6 (SIM)
5. EXISTING 2'-0"x1'-0"± REINFORCED CONCRETE WALL FOOTING.
6. EXISTING 1'-8"x1'-0"± REINFORCED CONCRETE WALL FOOTING.
7. EXISTING ABANDONED 1'-0"± REINFORCED CONCRETE FOUNDATION WALL LOCATED APPROXIMATELY 8"± BELOW THE EXISTING 4"± CONCRETE SLAB-ON-GRADE.
8. EXISTING 8"± REINFORCED CONCRETE FOUNDATION WALL.
9. SAWCUT AND REMOVE EXISTING 4"± CONCRETE SLAB-ON-GRADE. COORDINATE WITH SHEET D1.
10. 4'-0"x4'-0"x1'-0" REINFORCED CONCRETE FOOTING. SEE DETAIL 3 S2 S6
11. 3'-0"x5'-0"x1'-0" REINFORCED CONCRETE FOOTING. CONNECT TO EXISTING 12"± REINFORCED CONCRETE FOUNDATION WALL SEE DETAIL 4 S2 S6
12. REINFORCED CONCRETE PIER, WITH (4) #5'S. SEE DETAIL 6 S2 S6
13. 3'-0"x3'-0" REINFORCED CONCRETE FOOTING. SEE DETAIL 6 S2 S6
14. 3" TOPPING SLAB WITH 6x6, W1.4xW1.4 WELDED WIRE FABRIC. TOP OF SLAB ELEVATION=354.32'. SEE DETAIL 8 S2 S6
15. REMOVE EXISTING 4"± CONCRETE SLAB-ON-GRADE.
16. 8" REINFORCED CONCRETE FOUNDATION WALL. SEE DETAIL 1 S2 S6
17. 1'-4"x1'-0" REINFORCED CONCRETE WALL FOOTING. SEE DETAIL 1 S2 S6
18. SLAB AT MAN DOOR. SEE DETAIL 2 S2 S6
19. SAWCUT CONTROL JOINT. SEE DETAIL 8 S2 S6
20. REMOVE 15'-0" LONG SECTION OF EXISTING 12"± REINFORCED CONCRETE FOUNDATION WALL AND EXISTING 1'-8"x1'-0"± REINFORCED CONCRETE WALL FOOTING TO PLACE REINFORCED CONCRETE ENTRY PIERS AND FOOTINGS.
21. 3'-6"x3'-6"x1'-0" REINFORCED CONCRETE FOOTING. CONNECT TO EXISTING 12"± REINFORCED CONCRETE FOUNDATION WALL. SEE DETAIL 5 S2 S6
22. PROVIDE EPOXY BONDING COMPOUND BETWEEN 3" TOPPING SLAB AND EXISTING 4"± CONRETE SLAB-ON-GRADE.

DRAWING NOTE:

1. FOUNDATIONS SHALL NOT BE CONSTRUCTED BELOW EXISTING FOUNDATION.

GRAPHIC SCALES

1/8"=1'-0" 0 4' 8' 16' 24'

1/4"=1'-0" 0 2' 4' 8' 12'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

STATE OF MAINE DAVID N MARTIN 10456 REGISTERED PROFESSIONAL ENGINEER

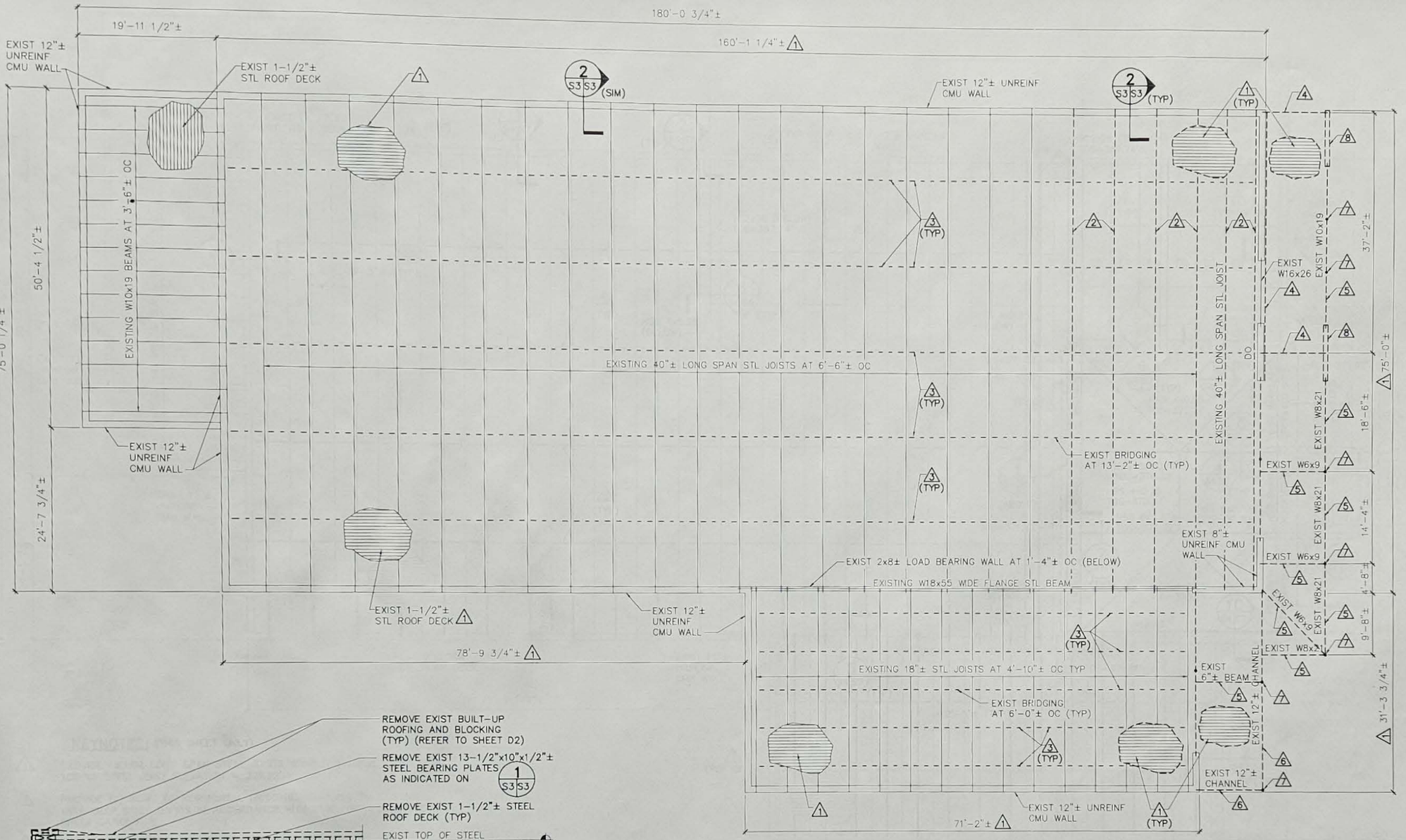
UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED
JOB:	99014.04

FOUNDATION PLAN

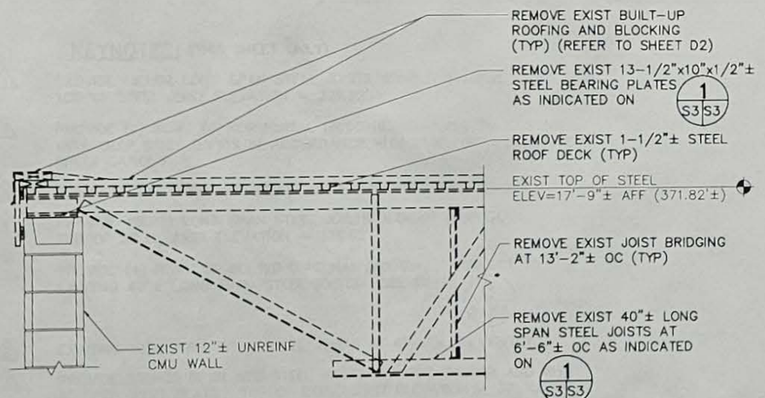
S2
21 OF 40

99014.04-303.dwg 10-18-00 1:58:35 pm EST



1 EXISTING CONDITIONS/REMOVALS ROOF FRAMING PLAN
S3 S3 SCALE: 1/8"=1'-0"

PLAN NORTH



2 TYPICAL STEEL JOIST/ROOF DECKING REMOVALS DETAIL
S3 S3 SCALE: 3/4"=1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. REMOVE EXISTING 1-1/2"± STEEL ROOF DECK.
2. REMOVE EXISTING 40"± LONG SPAN STEEL JOISTS AND EXISTING 13-1/2"x10"x1/2"± STEEL BEARING PLATES. REFER TO DETAIL 2 S3 S3
3. REMOVE EXISTING JOIST BRIDGING. REMOVALS SHALL BE COORDINATED WITH THE INSTALLATION OF STEEL JOISTS INDICATED ON SHEET S4.
4. REMOVE EXISTING STEEL ANGLE(S).
5. REMOVE EXISTING WIDE FLANGE STEEL BEAMS.
6. REMOVE EXISTING STEEL CHANNELS.
7. REMOVE EXISTING STEEL COLUMNS.
8. REMOVE EXISTING 8"± UNREINFORCED BRICK WALL.

DRAWING NOTE:

CONTRACTOR SHALL PROVIDE TEMPORARY BRACING OF EXISTING 12"± UNREINFORCED CMU WALLS. BRACING SHALL REMAIN IN PLACE UNTIL STEEL ROOF DECK AND FRAMING INDICATED ON SHEET S4 IS COMPLETED AND INSPECTED.

GRAPHIC SCALES

1/8"=1'-0" 0 4' 8' 16' 24'

3/4"=1'-0" 0 6" 1' 2' 3' 4'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

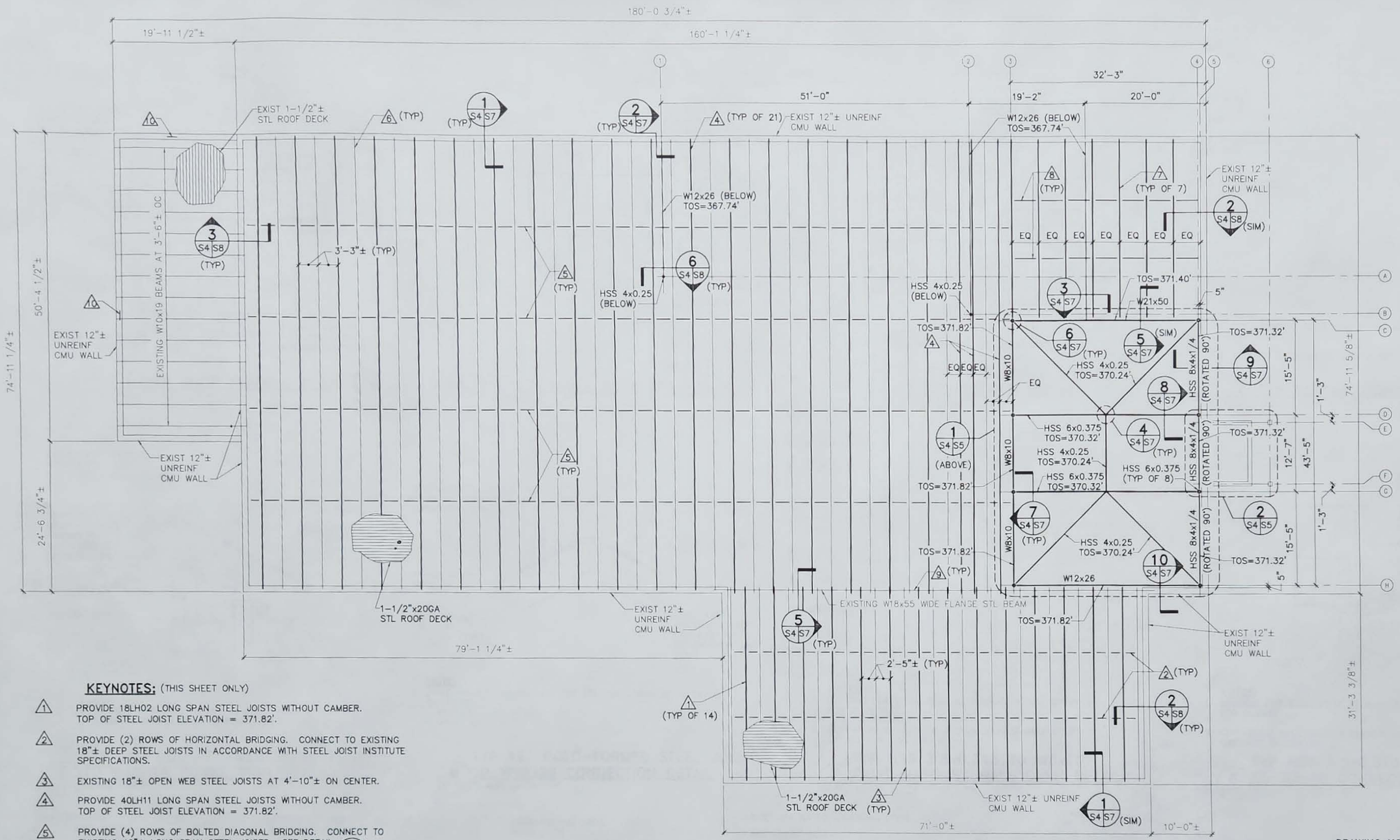
STATE OF MAINE DAVID N MARTIN REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED
JOB:	99014.04

EXISTING CONDITIONS/ REMOVALS ROOF FRAMING PLAN AND DETAILS

S3
22 OF 40



KEYNOTES: (THIS SHEET ONLY)

1. PROVIDE 18LH02 LONG SPAN STEEL JOISTS WITHOUT CAMBER. TOP OF STEEL JOIST ELEVATION = 371.82'.
2. PROVIDE (2) ROWS OF HORIZONTAL BRIDGING. CONNECT TO EXISTING 18"± DEEP STEEL JOISTS IN ACCORDANCE WITH STEEL JOIST INSTITUTE SPECIFICATIONS.
3. EXISTING 18"± OPEN WEB STEEL JOISTS AT 4'-10"± ON CENTER.
4. PROVIDE 40LH11 LONG SPAN STEEL JOISTS WITHOUT CAMBER. TOP OF STEEL JOIST ELEVATION = 371.82'.
5. PROVIDE (4) ROWS OF BOLTED DIAGONAL BRIDGING. CONNECT TO EXISTING 40"± LONG SPAN STEEL JOISTS. SEE DETAIL 3/S4 S8
6. EXISTING 40"± LONG SPAN STEEL JOISTS AT 6'-6"± ON CENTER.
7. PROVIDE 20LH05 OPEN WEB STEEL JOISTS WITHOUT CAMBER AND WITH 5" DEEP JOIST SEATS. TOP OF STEEL JOIST ELEVATION = 371.82'.
8. PROVIDE (2) ROWS OF BRIDGING IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE SPECIFICATIONS.
9. PROVIDE REINFORCEMENT OF EXISTING 2x8± WOOD STUDS. SEE DETAIL 1/S4 S8
10. PROVIDE 4(2)5x5x3/8 (GALVANIZED) LINTEL PER MECHANICAL SHEET M2. SEE DETAIL 9/S4 S8

1/S4 S4 ROOF FRAMING PLAN

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

PLAN NORTH

DRAWING NOTES:

1. PRIOR TO WELDING TO EXISTING STEEL JOISTS AND STEEL BEAM, THE EXISTING PAINT IN THE AREA OF THE WELDS SHALL BE REMOVED. AFTER COMPLETION AND INSPECTION OF THE WELDS, THE EXISTING STEEL JOISTS AND STEEL BEAM SHALL BE PAINTED WHERE THE ORIGINAL PAINT WAS REMOVED.
2. IT IS ASSUMED THAT THE EXISTING PAINT ON THE EXISTING STEEL JOISTS AND STEEL BEAM CONTAINS LEAD. THE CONTRACTOR SHALL TEST FOR LEAD-CONTAINING PAINT AND IF LEAD-CONTAINING PAINT IS PRESENT, PERFORM REMOVAL AND DISPOSAL OF PAINT IN ACCORDANCE WITH THE STATE OF MAINE HAZARDOUS WASTE MANAGEMENT RULES.

GRAPHIC SCALE

1/8"=1'-0" (0, 4', 8', 16', 24')

CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

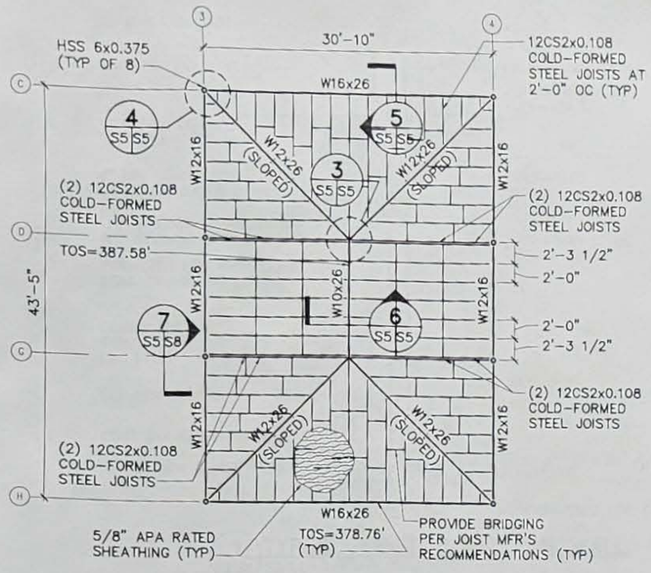
STATE OF MAINE DAVID N. MARTIN #6823 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED

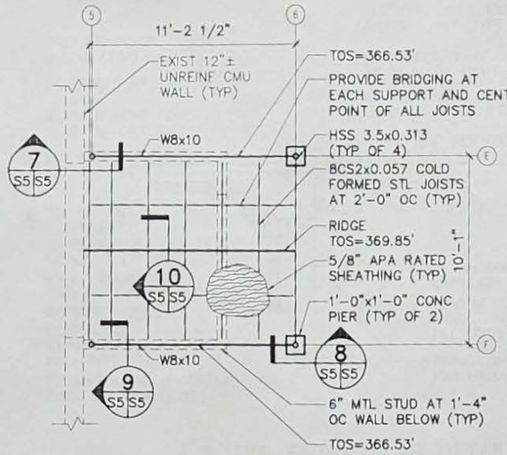
ROOF FRAMING PLAN

S4
23 OF



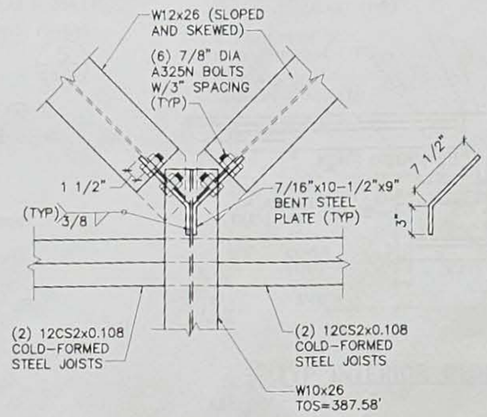
1 HIP ROOF FRAMING PLAN
S4 S5 SCALE: 1/8"=1'-0"

PLAN NORTH



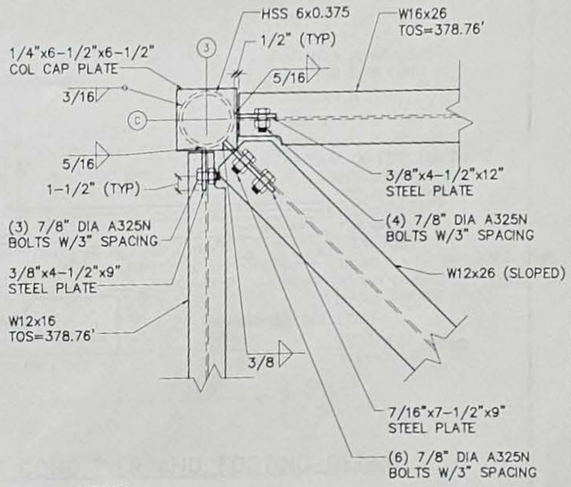
2 VESTIBULE ROOF FRAMING PLAN
S4 S5 SCALE: 1/4"=1'-0"

PLAN NORTH



NOTE:
COPE W12x26 AND W10x26 AS REQUIRED.

3 TYP W12x26 TO W10x26 CONNECTION DETAIL
S5 S5 SCALE: 1-1/2"=1'-0"



NOTES:
1. COLD-FORMED STEEL JOISTS AND SHEATHING NOT SHOWN FOR CLARITY.
2. PROVIDE BLOCKING OF W12x26 AND W16x26 AS REQUIRED.

4 TYP CORNER CONNECTION DETAIL
S5 S5 SCALE: 1-1/2"=1'-0"

NOTE:
CLIP ANGLE ATTACHED TO W16x26 SHALL HAVE A MINIMUM ALLOWABLE UPLIFT CAPACITY OF 250 LBS.

5 TYP 12" COLD-FORMED STEEL JOIST TO W16x26 CONNECTION DETAIL
S5 S5 SCALE: 3/4"=1'-0"

NOTE:
JOIST HANGERS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE CAPACITIES:
VERTICAL LOAD = 2200 LBS
UPLIFT LOAD = 250 LBS

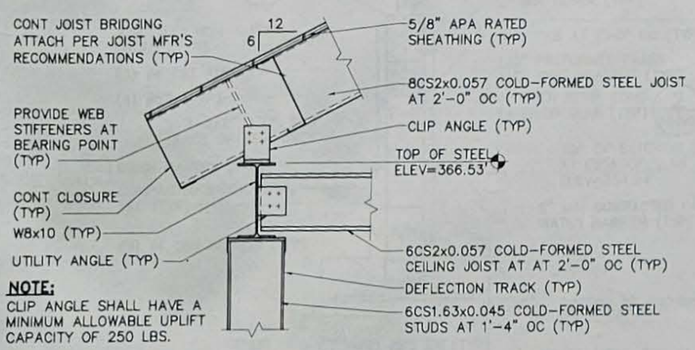
6 TYP 12" COLD-FORMED STEEL JOIST TO W10x26 CONNECTION DETAIL
S5 S5 SCALE: 3/4"=1'-0"

NOTES:
1. BRIDGING FOR STEEL JOIST AT SUPPORT IS NOT SHOWN FOR CLARITY.
2. CLIP ANGLE SHALL HAVE A MINIMUM ALLOWABLE UPLIFT CAPACITY OF 250 LBS.

7 TYP HSS 3.5x0.313 TO W8x10/ EXIST MASONRY WALL CONN DETAIL
S5 S5 SCALE: 1-1/2"=1'-0"

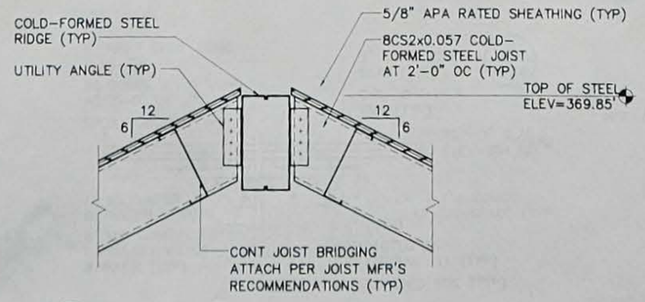
NOTES:
1. BRIDGING FOR STEEL JOIST AT SUPPORT IS NOT SHOWN FOR CLARITY.
2. CLIP ANGLE SHALL HAVE A MINIMUM ALLOWABLE UPLIFT CAPACITY OF 250 LBS.

8 TYP HSS 3.5x0.313 TO W8x10 CONNECTION DETAIL
S5 S5 SCALE: 1-1/2"=1'-0"



NOTE:
CLIP ANGLE SHALL HAVE A MINIMUM ALLOWABLE UPLIFT CAPACITY OF 250 LBS.

9 TYP 8" COLD-FORMED STEEL JOIST TO W8x10 CONN DETAIL
S5 S5 SCALE: 1-1/2"=1'-0"



NOTE:
BRIDGING FOR STEEL JOIST AT SUPPORT IS NOT SHOWN FOR CLARITY.

10 TYP 8" COLD-FORMED STEEL STEEL JOIST RIDGE CONN DETAIL
S5 S5 SCALE: 1-1/2"=1'-0"

GRAPHIC SCALES

1/8"=1'-0" 0 4' 8' 16' 24'
3/4"=1'-0" 0 6" 1' 2' 3' 4'
1/4"=1'-0" 0 2' 4' 8' 12'
1-1/2"=1'-0" 0 4" 8" 1' 2'

CHECK GRAPHIC SCALES BEFORE USING

99014.04-304.dwg 10-19-00 9:02:47 am EST

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

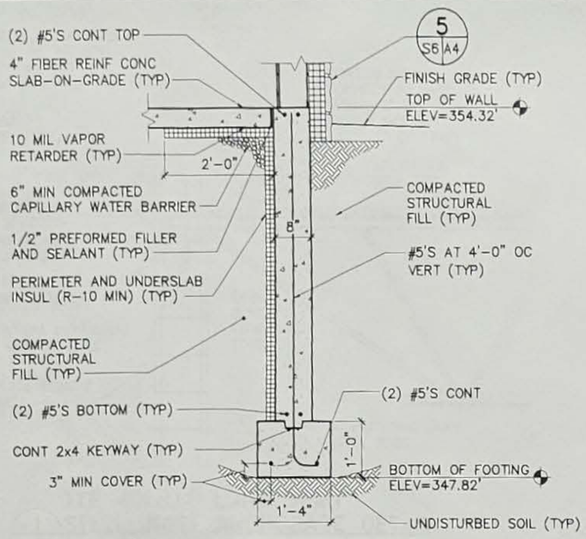
STATE OF MAINE DAVID N. MARTIN #8622 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

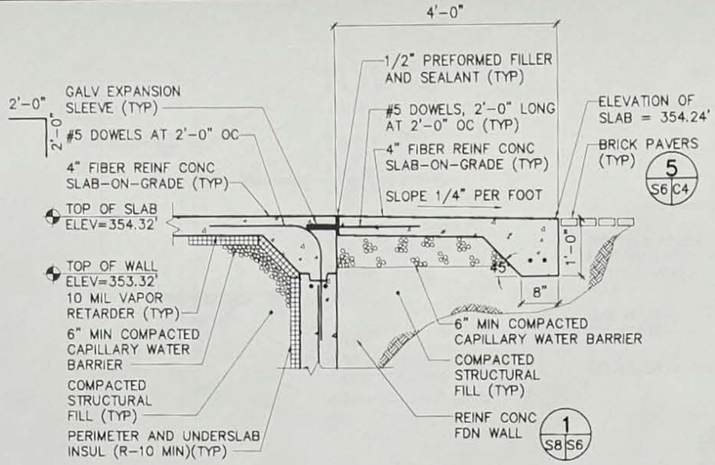
DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED
JOB:	99014.04

ROOF FRAMING PLANS AND DETAILS

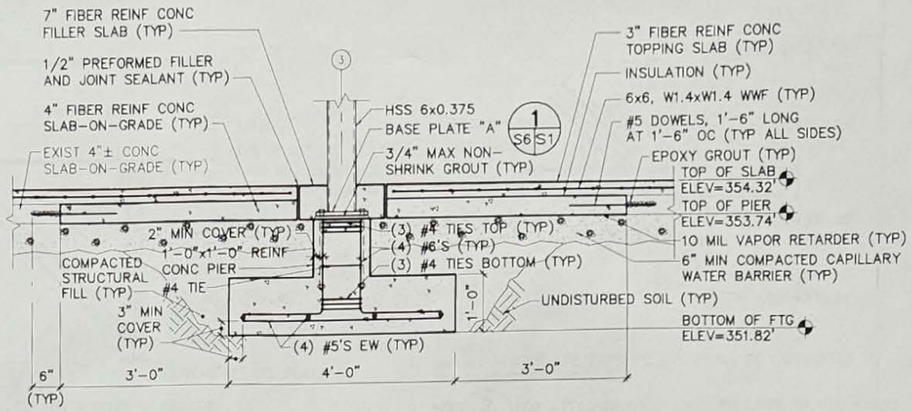
S5
24 OF 40



1 TYP 8" REINF CONC FDN WALL
S6.S8 S2 S6 SCALE: 3/4"=1'-0"



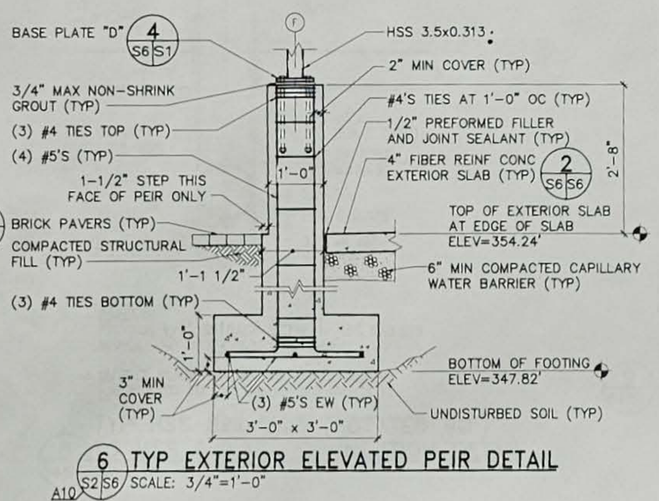
2 TYP ENTRY SLAB DETAIL
S2 S6 SCALE: 3/4"=1'-0"



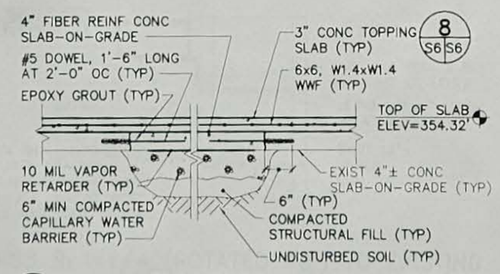
3 TYP INTERIOR REINF CONC PIER AND FOOTING DETAIL
A3 S2 S6 SCALE: 3/4"=1'-0"

4 TYP REINF CONC PIER/FOOTING TO EXIST FDN WALL CONN DETAIL
A3 S2 S6 SCALE: 3/4"=1'-0"

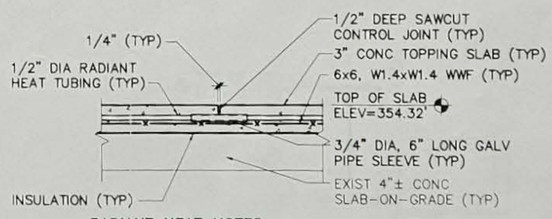
5 TYP CORNER REINF CONC PIER/FOOTING TO EXIST FDN WALL CONN DETAIL
S2 S6 SCALE: 3/4"=1'-0"



6 TYP EXTERIOR ELEVATED PEIR DETAIL
A10 S2 S6 SCALE: 3/4"=1'-0"



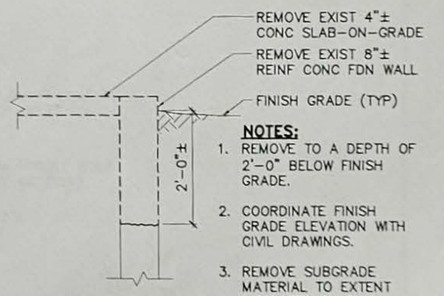
7 TYP SLAB PATCHING DETAIL
D1 S6 SCALE: 3/4"=1'-0"



RADIANT HEAT NOTES:

1. COORDINATE LOCATIONS AND SPACING OF RADIANT HEAT TUBING WITH MECHANICAL PLANS (SHEET M3).
2. RADIANT HEAT TUBING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.
3. INSTALL INSULATION IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.

TYP RADIANT TUBE INSTALLATION/ 3" CONCRETE TOPPING SLAB/ CONTROL JOINT DETAIL
S6.M3 S2 S6 SCALE: 1-1/2"=1'-0"



NOTES:

1. REMOVE TO A DEPTH OF 2'-0" BELOW FINISH GRADE.
2. COORDINATE FINISH GRADE ELEVATION WITH CIVIL DRAWINGS.
3. REMOVE SUBGRADE MATERIAL TO EXTENT INDICATED ON CIVIL DRAWINGS.

9 TYP FDN WALL/SLAB REMOVAL DETAIL
S2 S6 SCALE: 3/4"=1'-0"

GRAPHIC SCALES

1-1/2"=1'-0" 0 4" 8" 1' 2'

3/4"=1'-0" 0 6" 1' 2' 3' 4'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

STATE OF MAINE DAVID W. MARTIN 9021 REGISTERED PROFESSIONAL ENGINEER

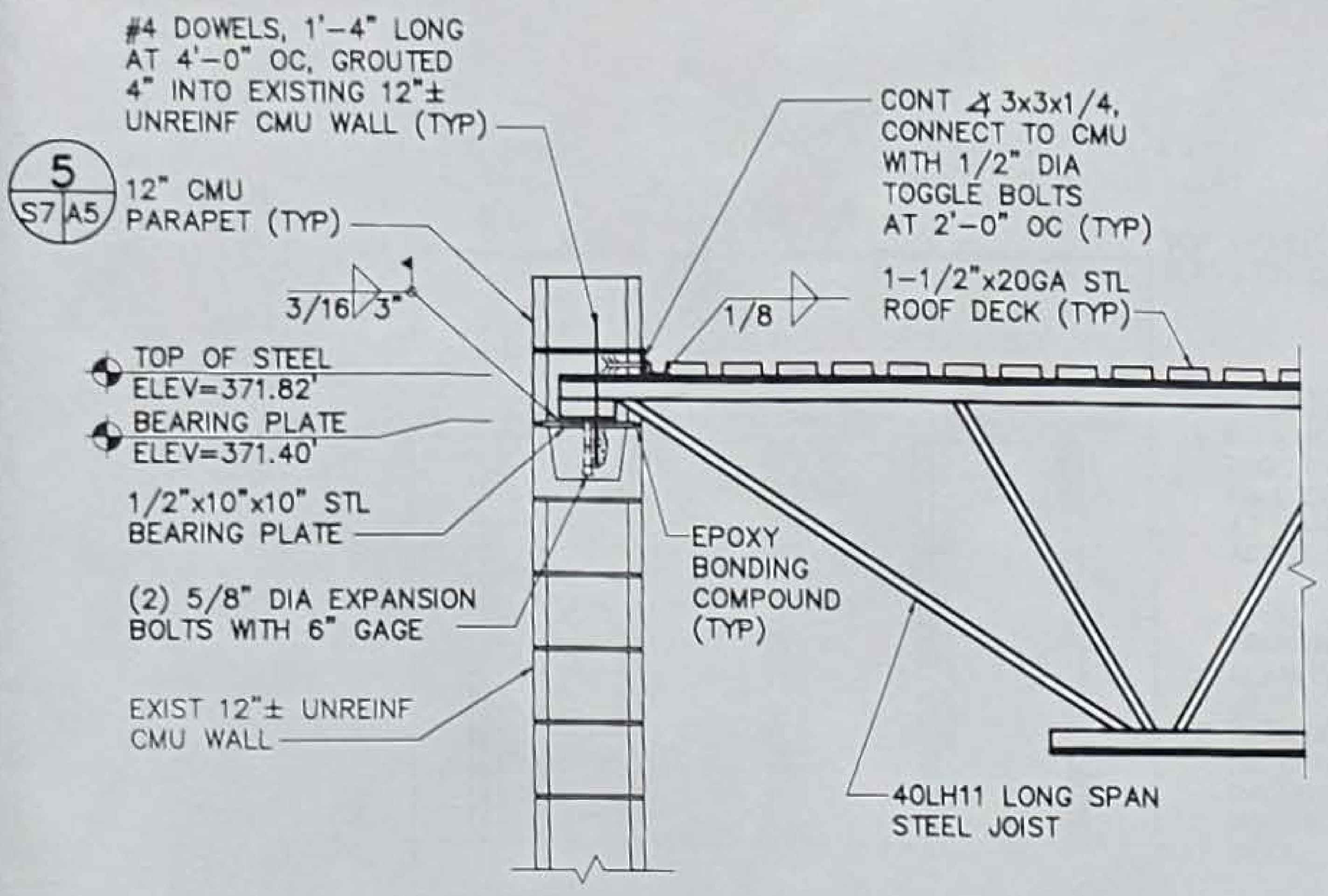
UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED
JOB:	99014.04

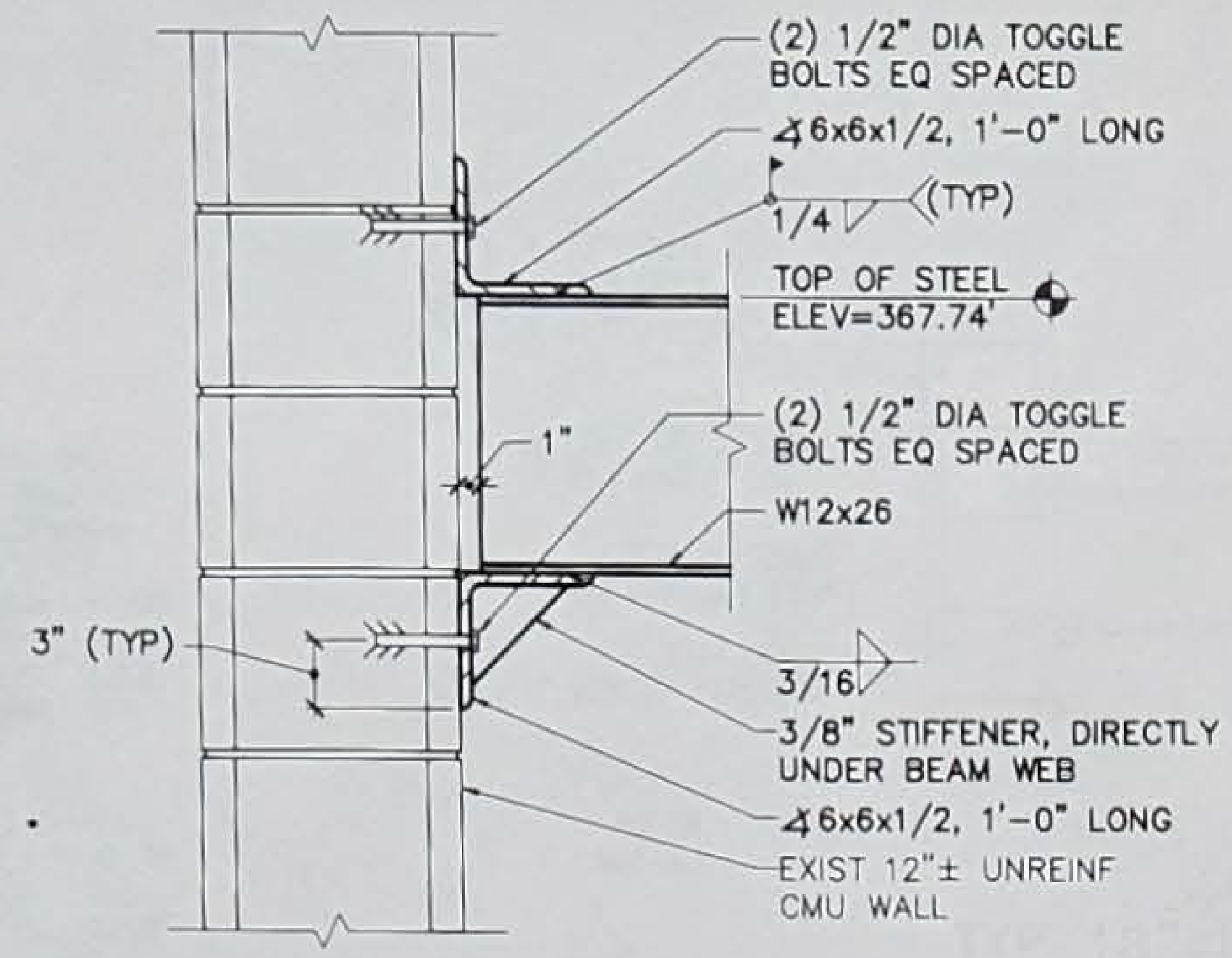
FOUNDATION DETAILS

S6

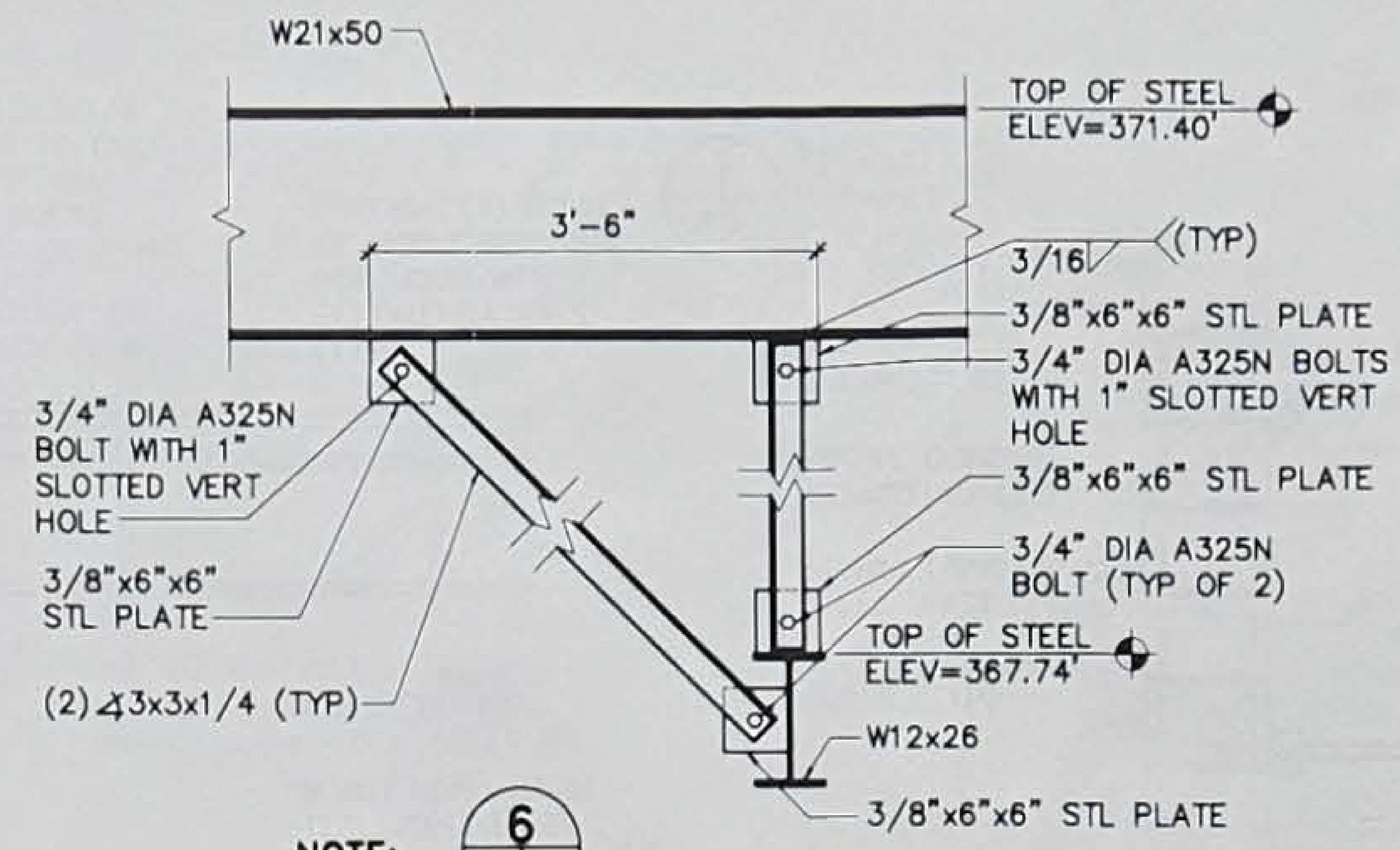
25 OF 40



TYP 40LH11 LONG SPAN STEEL JOIST ANCHORAGE DETAIL
1 S4 S7 SCALE: 3/4"=1'-0"
S8.A5

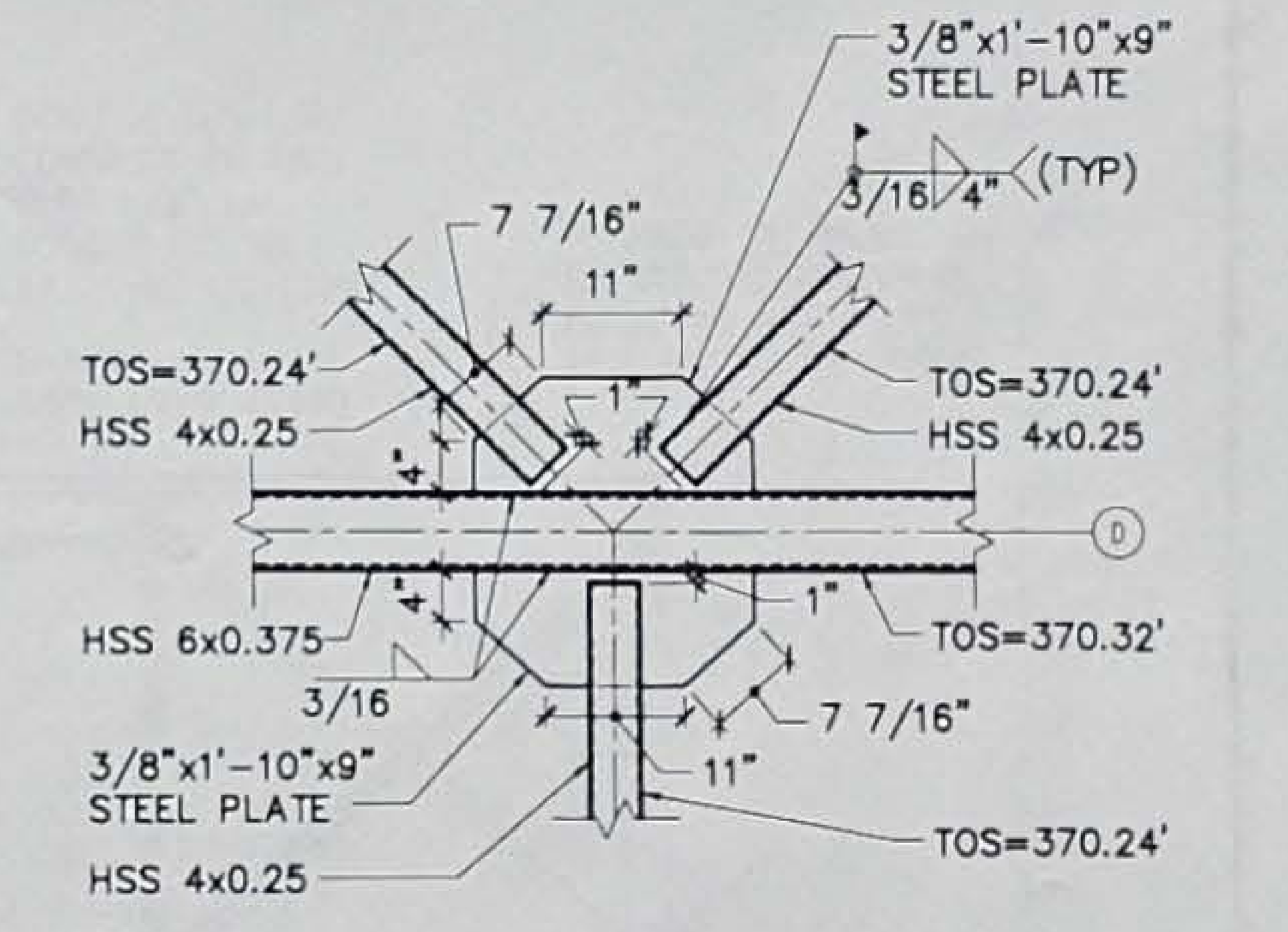


TYP OPERABLE PARTITION SUPPORT BEAM TO EXISTING 1'-0"± UNREINF CMU WALL CONN DETAIL
2 S4 S7 SCALE: 1-1/2"=1'-0"



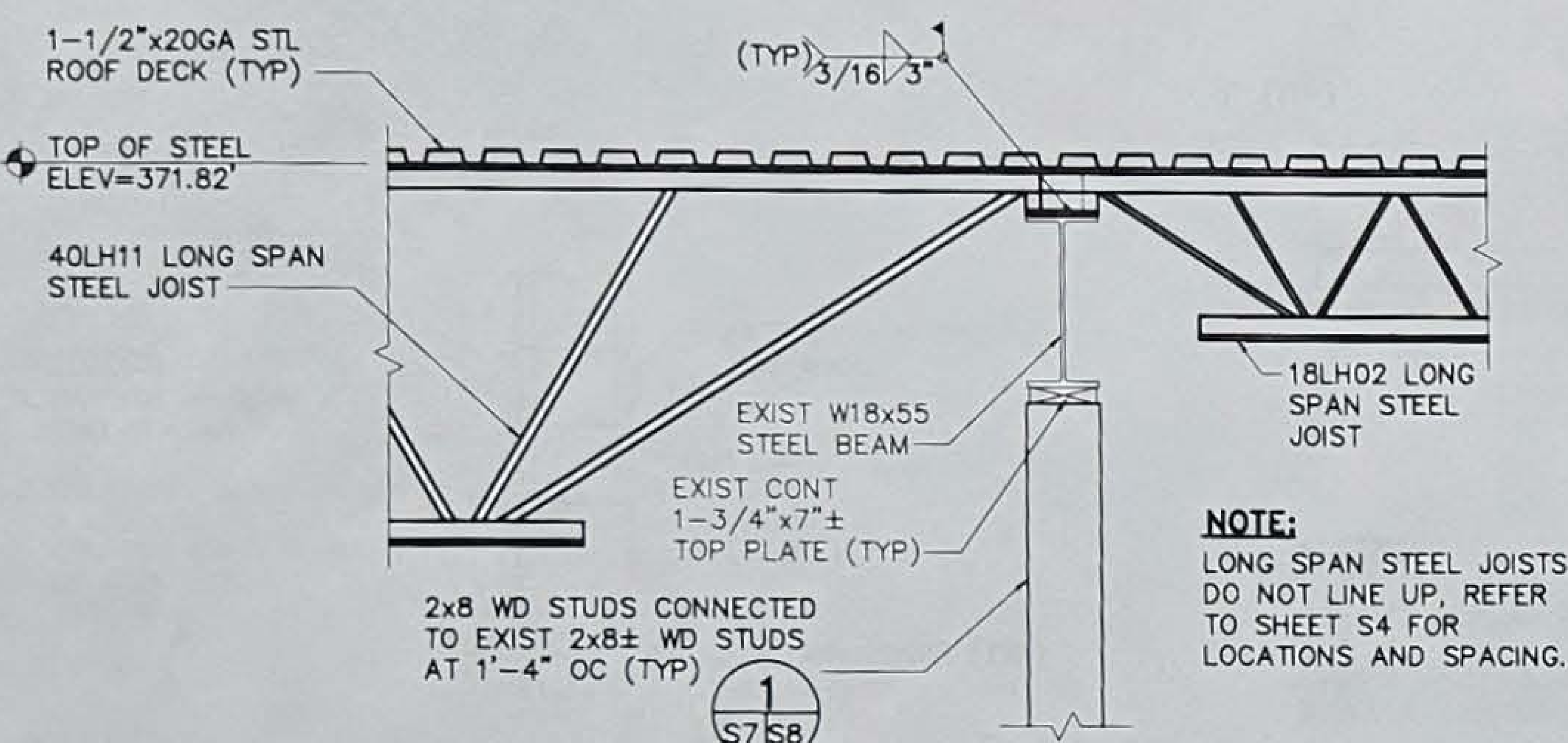
NOTE:
SEE DETAIL 6 S7 S8 FOR ADDITIONAL DRILLED HOLES FOR FOLDING PARTITION BEAM.

OPERABLE PARTITION BEAM HANGER/BRACING DETAIL
3 S4 S7 SCALE: 3/4"=1'-0"



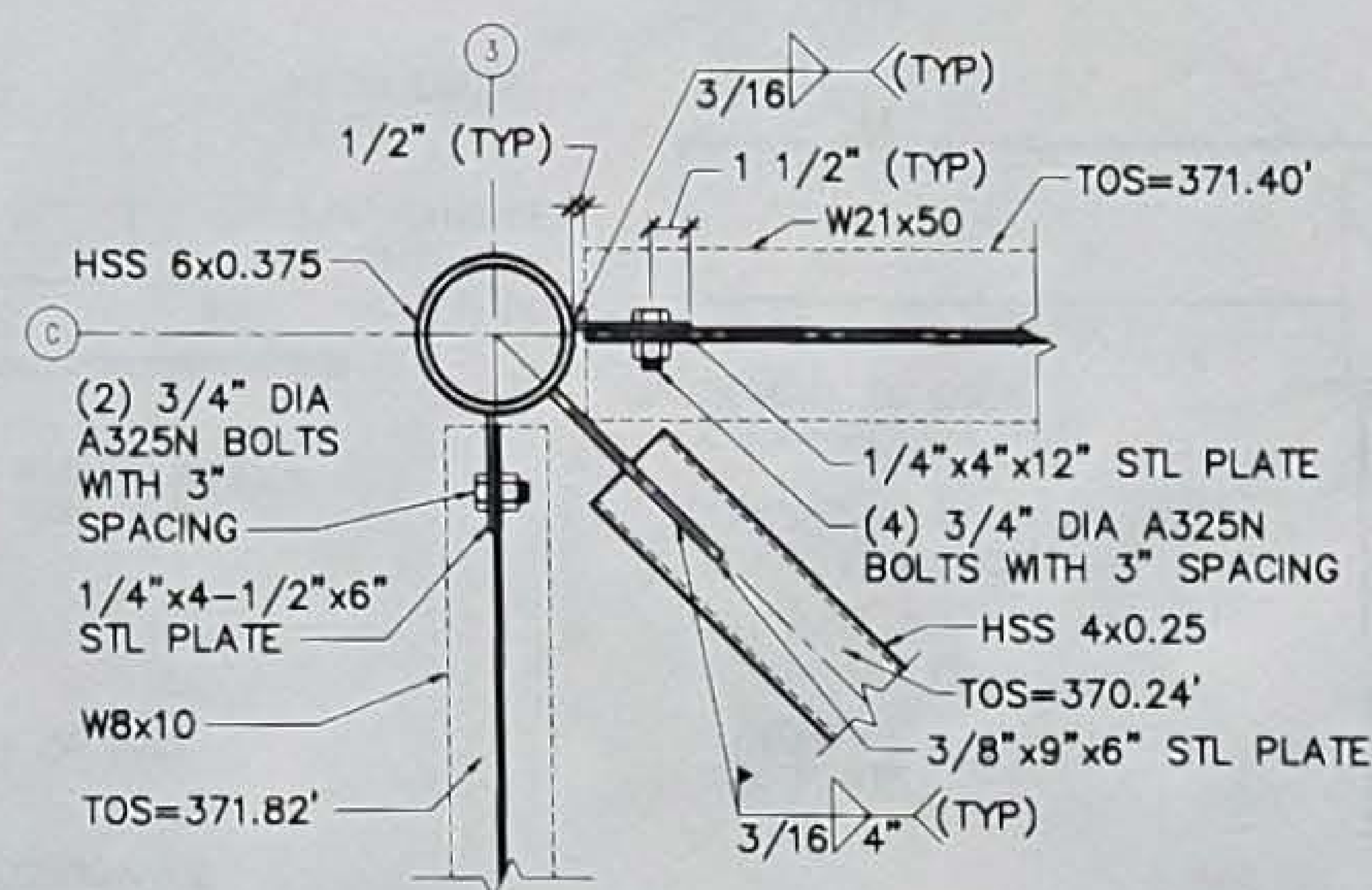
NOTES:
1. GUSSET PLATES ARE EXPOSED AND SHALL BE FABRICATED TO THE DIMENSIONS INDICATED.
2. SEE 2 S7 E6 FOR ATTACHMENT OF LIGHT FIXTURES TO HSS 4x0.25.

TYP HSS 4x0.25 TO HSS 6x0.375 CONNECTION DETAIL
4 S4 S7 SCALE: 3/4"=1'-0"



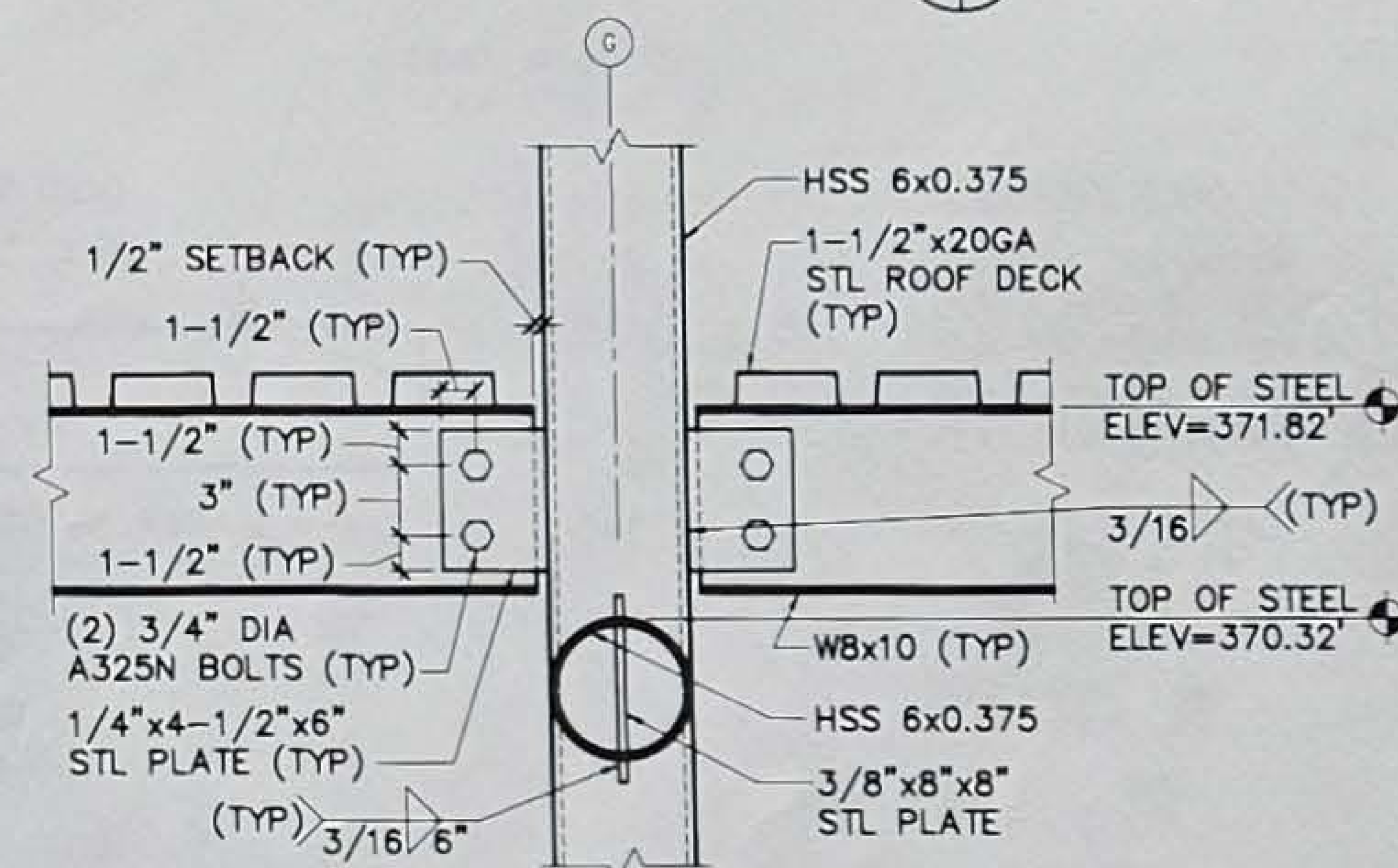
NOTE:
LONG SPAN STEEL JOISTS DO NOT LINE UP, REFER TO SHEET S4 FOR LOCATIONS AND SPACING.

TYP 40LH11 AND 18LH02 LONG SPAN STEEL JOISTS TO EXIST W18x55 STEEL BEAM CONNECTION DETAIL
5 S4 S7 SCALE: 3/4"=1'-0"



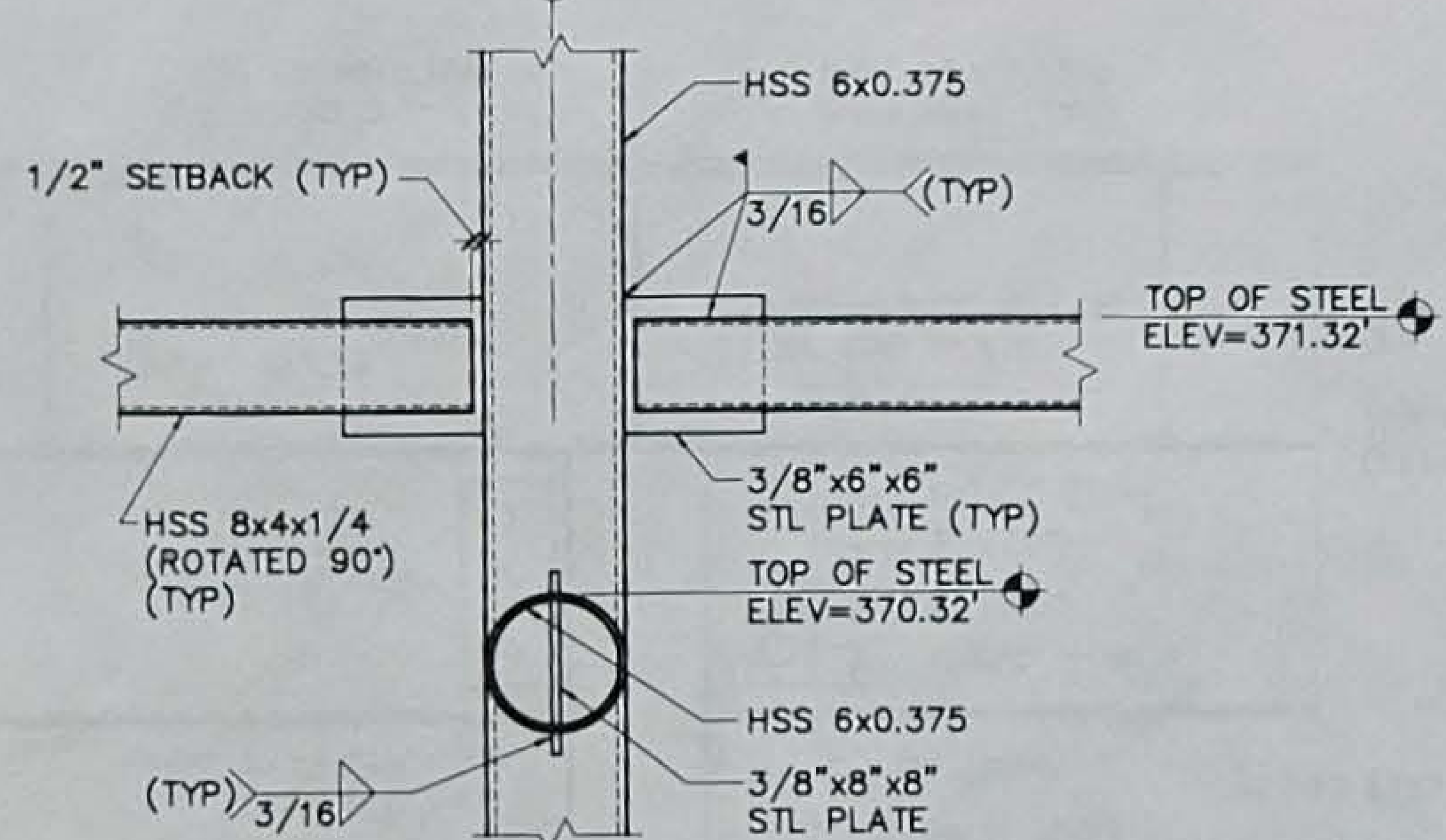
NOTE:
GUSSET PLATE IS EXPOSED AND SHALL BE FABRICATED TO THE DIMENSIONS INDICATED.

TYP BRACING CONNECTION DETAIL
6 S4 S7 SCALE: 1-1/2"=1'-0"



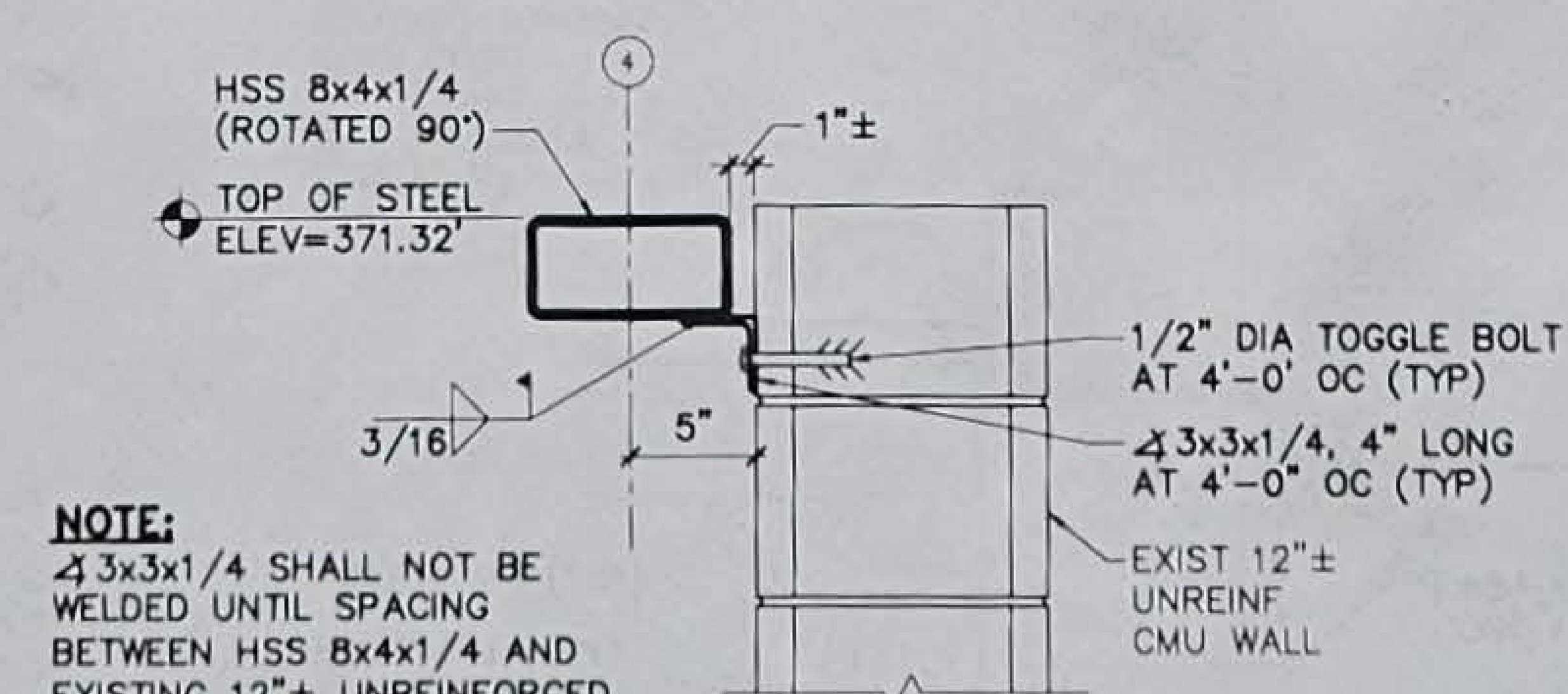
NOTES:
1. PROVIDE 1/2" SETBACK BETWEEN HSS 6x0.375 BRACE AND HSS 6x0.375 COLUMN.
2. GUSSET PLATE IS EXPOSED AND SHALL BE FABRICATED TO THE DIMENSIONS INDICATED.

TYP W8x10 AND HSS 6x0.375 TO HSS 6x0.375 CONNECTION DETAIL
7 S4 S7 SCALE: 1-1/2"=1'-0"



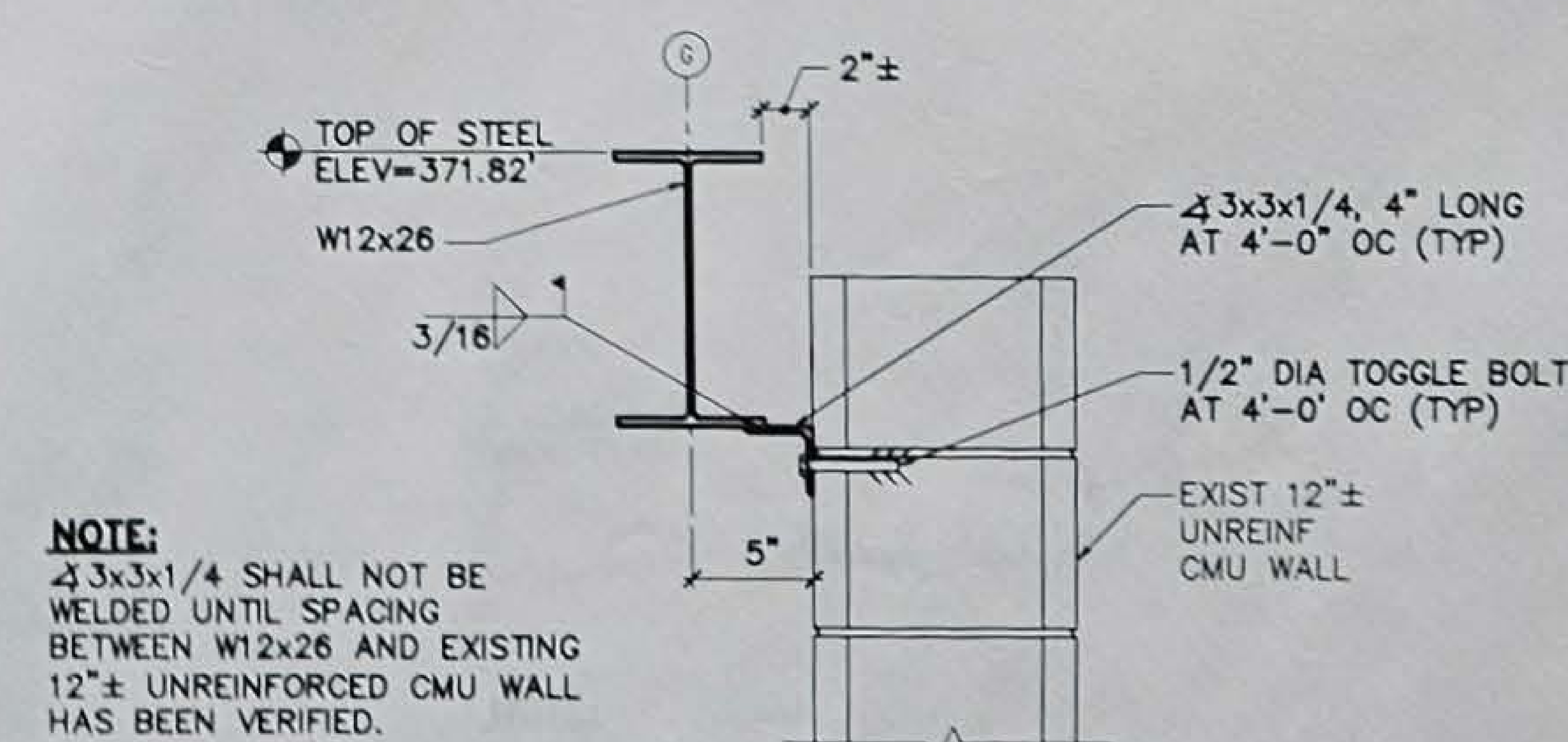
NOTES:
1. PROVIDE 1/2" SETBACK BETWEEN HSS 6x0.375 BRACE AND HSS 6x0.375 COLUMN.
2. GUSSET PLATE IS EXPOSED AND SHALL BE FABRICATED TO THE DIMENSIONS INDICATED.

TYP HSS 8x4x0.25 (ROTATED 90°) TO HSS 6x0.375 CONNECTION DETAIL
8 S4 S7 SCALE: 1-1/2"=1'-0"



NOTE:
∠3x3x1/4 SHALL NOT BE WELDED UNTIL SPACING BETWEEN HSS 8x4x1/4 AND EXISTING 12"± UNREINFORCED CMU WALL HAS BEEN VERIFIED.

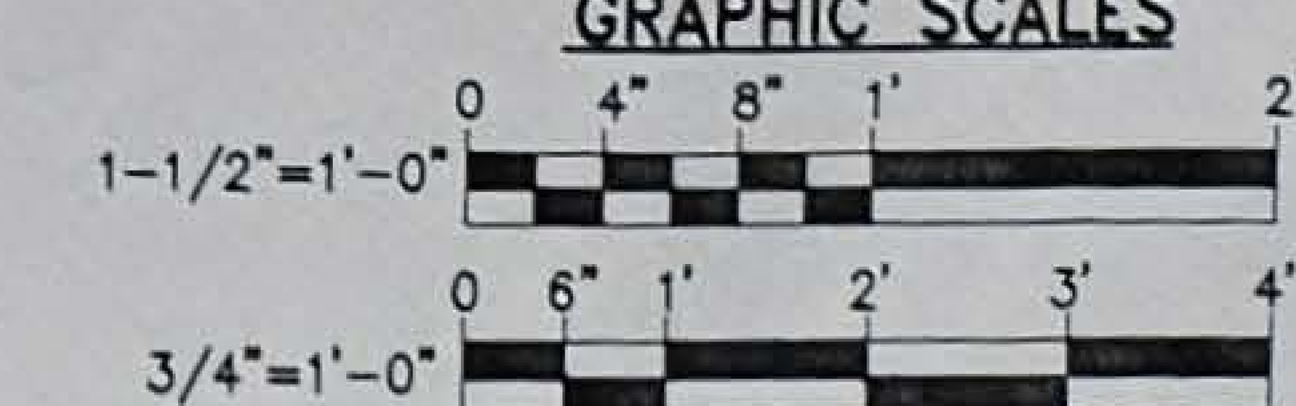
TYP HSS 8x4x1/4 (ROTATED 90°) TO EXISTING 12"± UNREINF CMU WALL CONNECTION DETAIL
9 S4 S7 SCALE: 1-1/2"=1'-0"



NOTE:
∠3x3x1/4 SHALL NOT BE WELDED UNTIL SPACING BETWEEN W12x26 AND EXISTING 12"± UNREINFORCED CMU WALL HAS BEEN VERIFIED.

TYP W12x26 TO EXISTING 12"± UNREINF CMU WALL CONNECTION DETAIL
10 S4 S7 SCALE: 1-1/2"=1'-0"

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

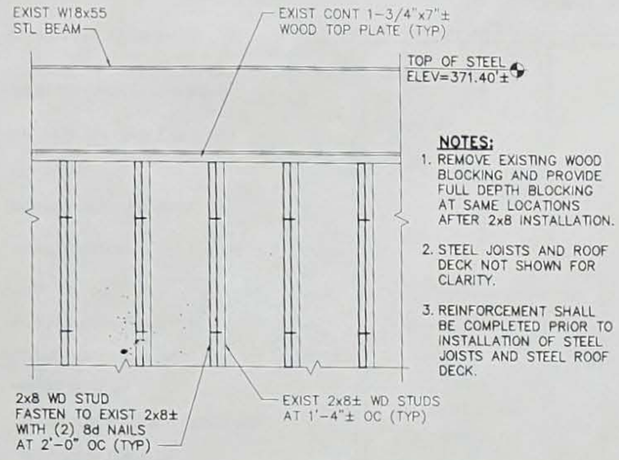
OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED
JOB:	99014.04

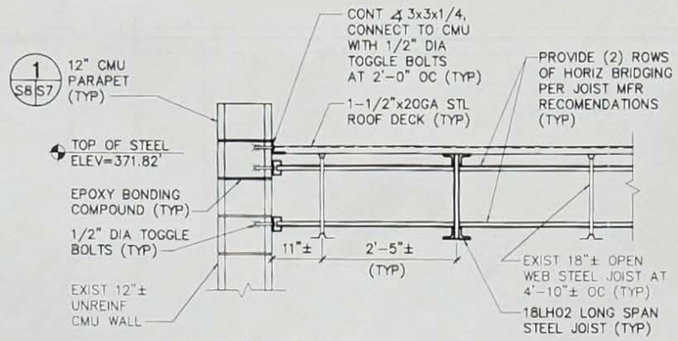
STRUCTURAL DETAILS

S7

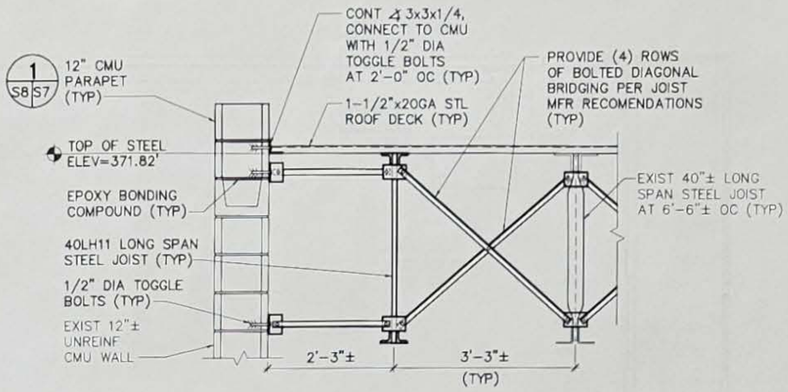


NOTES:
1. REMOVE EXISTING WOOD BLOCKING AND PROVIDE FULL DEPTH BLOCKING AT SAME LOCATIONS AFTER 2x8 INSTALLATION.
2. STEEL JOISTS AND ROOF DECK NOT SHOWN FOR CLARITY.
3. REINFORCEMENT SHALL BE COMPLETED PRIOR TO INSTALLATION OF STEEL JOISTS AND STEEL ROOF DECK.

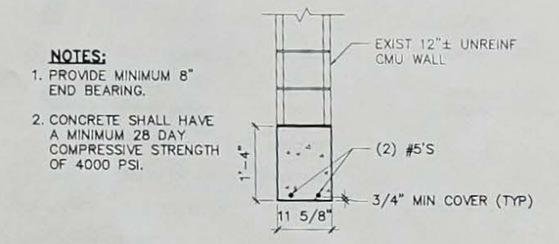
1 TYP LOAD BEARING WALL REINFORCEMENT DETAIL
S4.S6 — S7 S8 — SCALE: 3/4"=1'-0"



2 TYP 18" LONG SPAN STEEL JOIST BRIDGING DETAIL
S4 S8 — SCALE: 3/4"=1'-0"

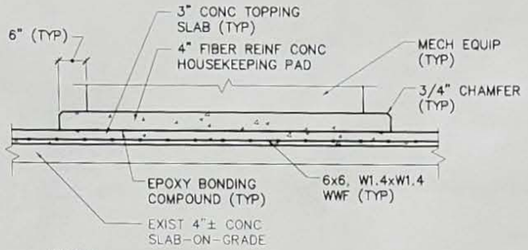


3 TYP 40" LONG SPAN STEEL JOIST BRIDGING DETAIL
S4 S8 — SCALE: 3/4"=1'-0"



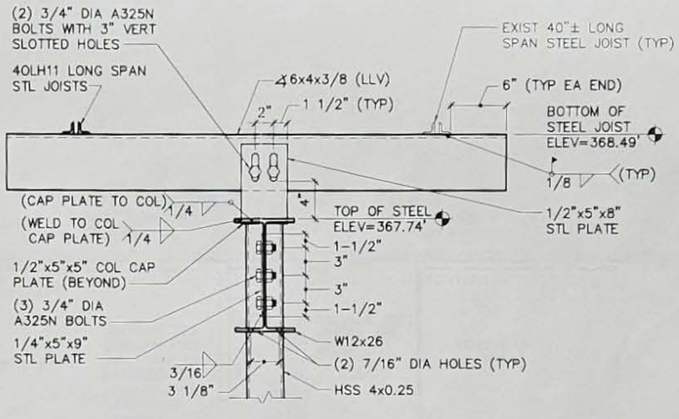
NOTES:
1. PROVIDE MINIMUM 8" END BEARING.
2. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.

4 TYP PRECAST CONCRETE LINTEL DETAIL
A9 S8 — SCALE: 3/4"=1'-0"

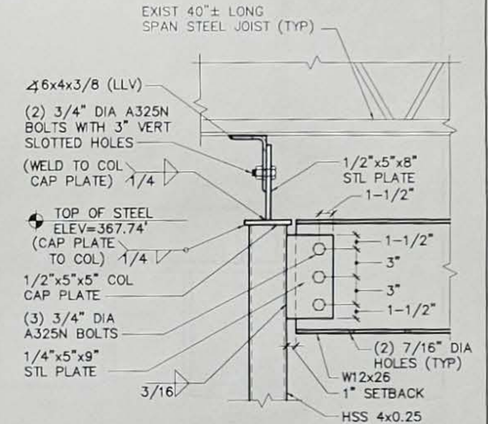


NOTES:
1. COORDINATE EXACT SIZE AND LOCATION OF PAD WITH MECHANICAL PLANS.
2. ANCHOR MECHANICAL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTERER'S PRINTED INSTRUCTIONS.

5 TYP HOUSEKEEPING PAD
M2 S8 — SCALE: 3/4"=1'-0"



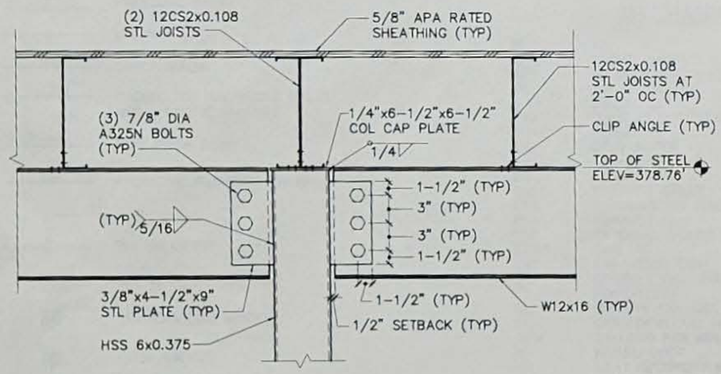
SECTION



SIDEVIEW ELEVATION

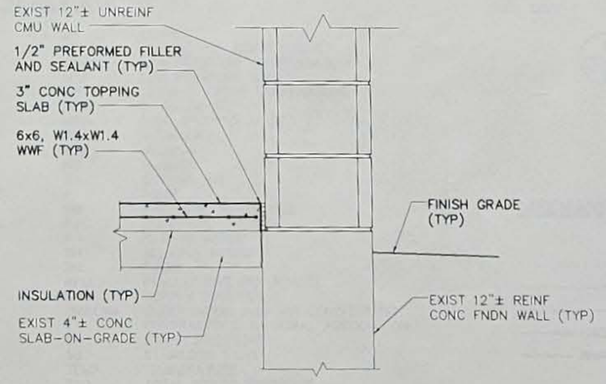
NOTES:
1. SPACE DRILLED HOLES 6" OC AT STACK POINT WITHIN 4'-0" OF BEAM ENDS.
2. SPACE DRILLED HOLES 2'-0" OC ALL OTHER LOCATIONS.
3. FINAL HOLE SPACING AND GAGE SHALL BE IN ACCORDANCE WITH THE OPERABLE PARTITION MANUFACTURER'S PRINTED INSTRUCTIONS.

6 TYP OPERABLE PARTITION SUPPORT BEAM DETAIL
A6.S7 S4 S8 — SCALE: 1-1/2"=1'-0"

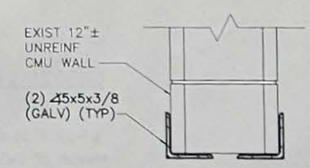


NOTE:
CLIP ANGLE SHALL HAVE A MINIMUM ALLOWABLE UPLIFT CAPACITY OF 250 POUNDS.

7 TYP W12x16 TO HSS 6x0.375 CONN DETAIL
S5 S8 — SCALE: 1-1/2"=1'-0"



8 TYP TOPPING SLAB AT EXISTING CMU WALL DETAIL
S2 S8 — SCALE: 1-1/2"=1'-0"



NOTE:
PROVIDE 8" MINIMUM BEARING AT EACH END OF BOTH GALVANIZED ∠5x5x3/8

9 TYP MASONRY LINTEL DETAIL
S4 M2 S8 — SCALE: 1-1/2"=1'-0"

GRAPHIC SCALES

1-1/2"=1'-0" — 0, 4", 8", 1', 2'

3/4"=1'-0" — 0, 6", 1', 2', 3', 4'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

STATE OF MAINE — DAVID N. MARTIN — 8622 — REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE
AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	DNM
DRAWN:	MJC
CHECKED:	DNM
SCALE:	AS NOTED
JOB:	99014.04

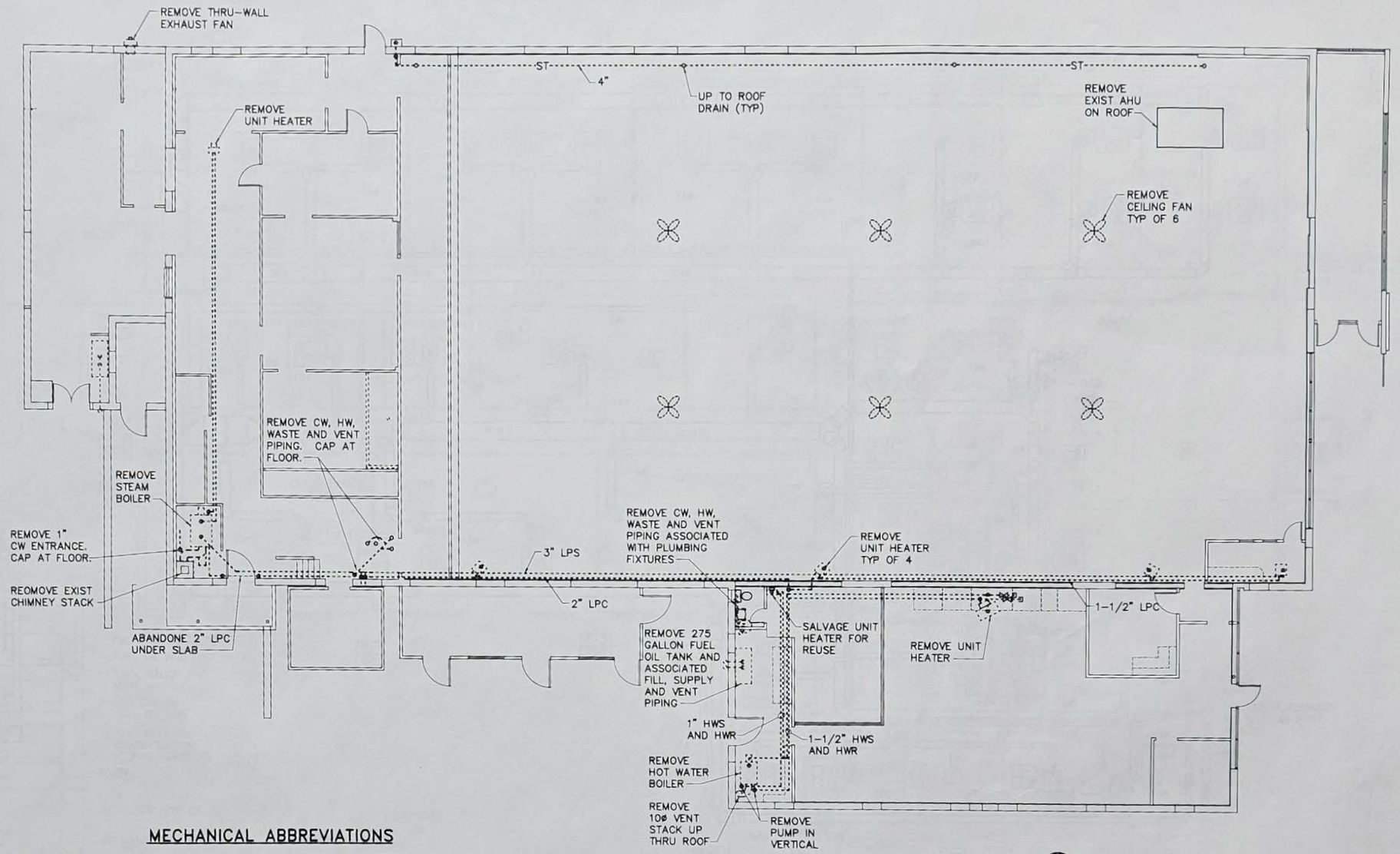
STRUCTURAL DETAILS

S8

27 OF 40

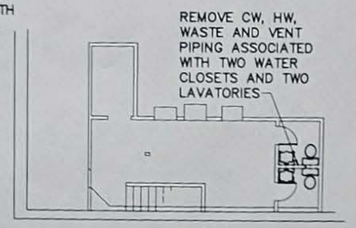
MECHANICAL SYMBOLS LEGEND

- SYMBOL PER ABBREVIATION LIST
- EQUIPMENT SEQUENCE NUMBER
- AIR INLET OR OUTLET WITH CFM
- KEY NOTE
- RETURN GRILLE, REGISTER
- SUPPLY DIFFUSER
- DUCT
- FLEXIBLE CONNECTION
- RETURN OR EXHAUST DUCT UP
- SUPPLY DUCT UP
- FINTUBE RADIATION AND ENCLOSURE
- DIRECTION OF AIR FLOW
- MANUAL DAMPER
- FD FIRE DAMPER
- MOTORIZED DAMPER, PARALLEL BLADE
- THERMOSTAT
- CONNECT TO EXISTING
- SQUARE ELBOW WITH TURNING VANES
- FLEXIBLE DUCT
- PUMP
- ELBOW DOWN
- PIPE TEE UP OR UP AND DOWN
- ELBOW UP OR UP AND DOWN
- PIPE TEE DOWN
- STRAINER
- BALL VALVE
- GATE VALVE
- CONTROL VALVE
- DOUBLE CHECK BACKFLOW PREVENTER
- PRESSURE GAGE
- UNION
- CHECK VALVE
- CALIBRATED BALANCING VALVE WITH POSITIVE SHUTOFF
- P PIPE PITCH DOWN
- PRESSURE REDUCING VALVE
- CAP
- THERMOMETER
- AIR VENT, AUTOMATIC
- TS TEMPERATURE SENSOR
- FS FLOW SWITCH
- BC BOILER CONTROLLER
- ZC ZONE CONTROLLER



1 M1 M1 **MECHANICAL REMOVALS PLAN**
SCALE: 1/8"=1'-0"

PLAN NORTH



2 M1 M1 **MEZZANINE REMOVALS PLAN**
SCALE: 1/8"=1'-0"

PLAN NORTH

MECHANICAL ABBREVIATIONS

@	AT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CFM	CUBIC FEET/MINUTE
CONC	CONCRETE
CW	COLD WATER
ø,DIA	DIAMETER
DN	DOWN
E-	EXHAUST GRILLE
EAT	ENTERING AIR TEMPERATURE
EF-	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EXIST	EXISTING
EXT	EXPANSION TANK
°F	DEGREES FARENHEIT
FT	FOOT/FEET
GE	GRAVITY EXHAUST HOOD
GI	GRAVITY INTAKE HOOD
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HR	HEAT RECOVERY MODULE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IBR	HYDRONICS INSTITUTE
IN	INCHES
L-	LOUVER
LAT	LEAVING AIR TEMPERATURE
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MECH	MECHANICAL
MIN	MINIMUM
NO	NUMBER
OA	OUTSIDE AIR
P	PUMP
PD	PRESSURE DIFFERENCE
PVC	POLYVINYL CHLORIDE
R-	RETURN GRILLE
RH	RELATIVE HUMIDITY
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
S-	SUPPLY DIFFUSER
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
SP	STATIC PRESSURE
SS	STAINLESS STEEL
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
V	VALVE, VOLT
VAV	VARIABLE AIR VOLUME
W/	WITH
WC	WATER COLUMN

MECHANICAL LINE TYPE LEGEND

- ITEMS TO BE REMOVED
- EXIST ITEMS TO REMAIN
- ITEMS PROVIDED
- HWS HOT WATER SUPPLY
- HWR HOT WATER RETURN

GRAPHIC SCALE
1/8"=1'-0" 0 4' 8' 16' 24'
CHECK GRAPHIC SCALE BEFORE USING

99014.04-600.dwg 10-19-00 11:09:46 am EST

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

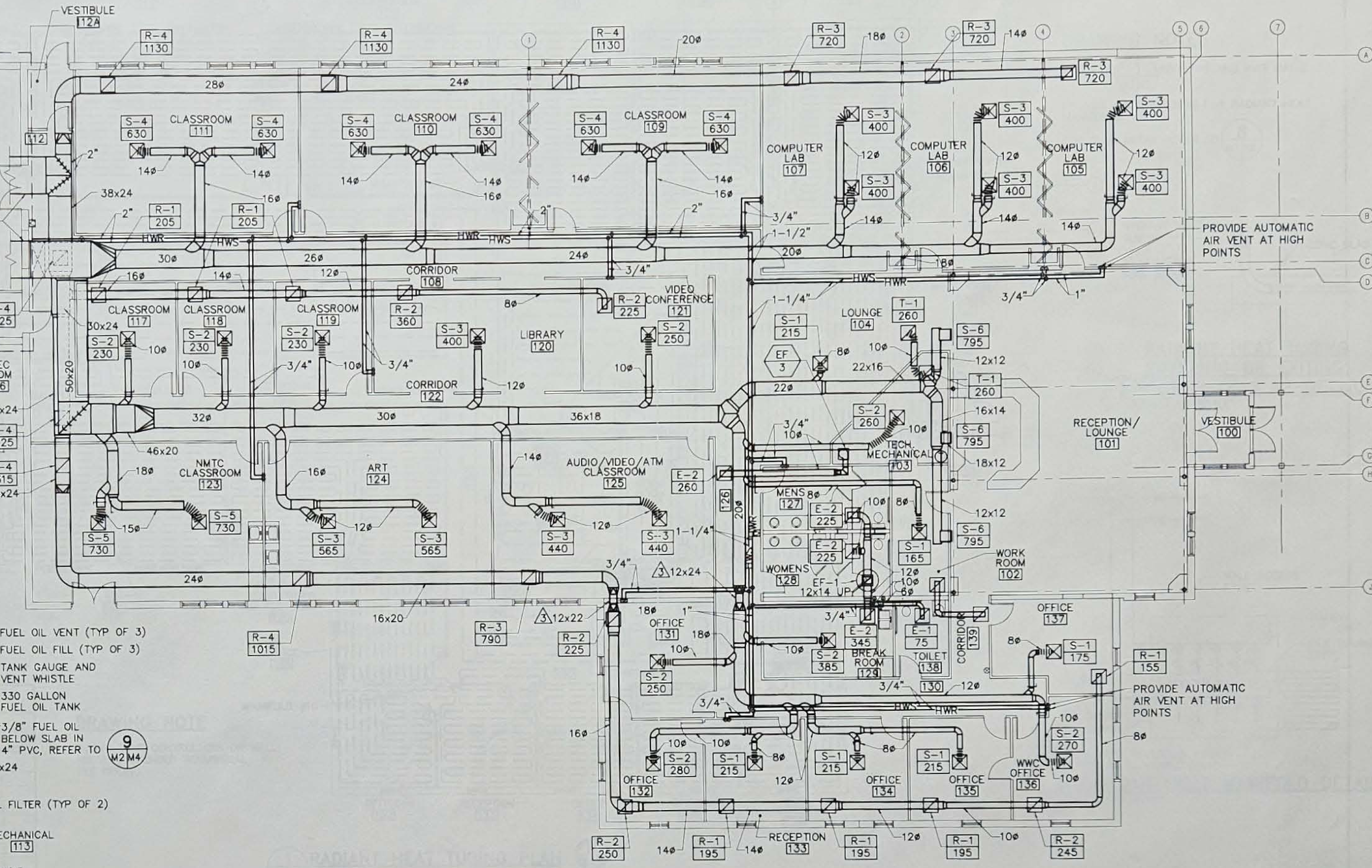
STATE OF MAINE RICHARD G. GRAHAM 7476 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

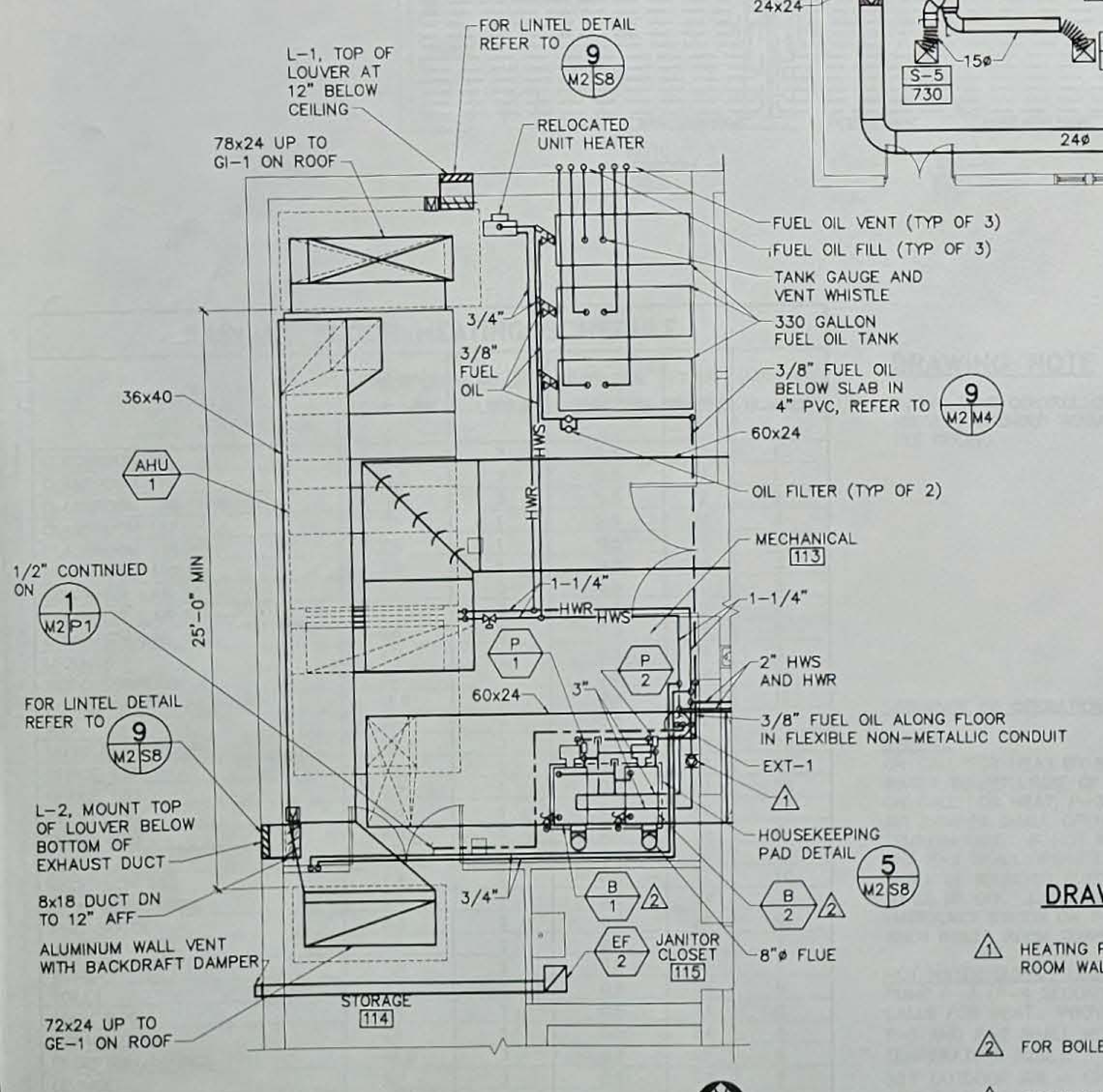
DATE: 10/20/00
DESIGN: SMC
DRAWN: SMC
CHECKED: RPG
SCALE: AS NOTED
JOB: 99014.04

MECHANICAL REMOVALS PLAN, LEGEND AND ABBREVIATIONS

M1
28 OF 40



1 MECHANICAL PLAN
M2 M2 SCALE: 1/8"=1'-0"
PLAN NORTH



2 MECHANICAL ROOM PART PLAN
M2 M2 SCALE: 1/4"=1'-0"
PLAN NORTH

DRAWING KEYNOTES

1. HEATING PUMPS LOCATED ALONG MECHANICAL ROOM WALL. FOR DETAIL, REFER TO 4 M2 M3
2. FOR BOILER PIPING SCHEMATIC REFER TO 1 M2 M4
3. TRANSITION TO RECTANGULAR TO GO BETWEEN STUDS IN WALL.

DRAWING NOTE

1. SYSTEM DESIGN BASED ON FUTURE AIR CONDITIONING LOAD WITH VAV BOXES.

GRAPHIC SCALES

1/4"=1'-0" 0 2' 4' 8' 12'
1/8"=1'-0" 0 4' 8' 16' 24'

CHECK GRAPHIC SCALES BEFORE USING

99014.04-601.dwg 10-19-00 11:07:31 am EST

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

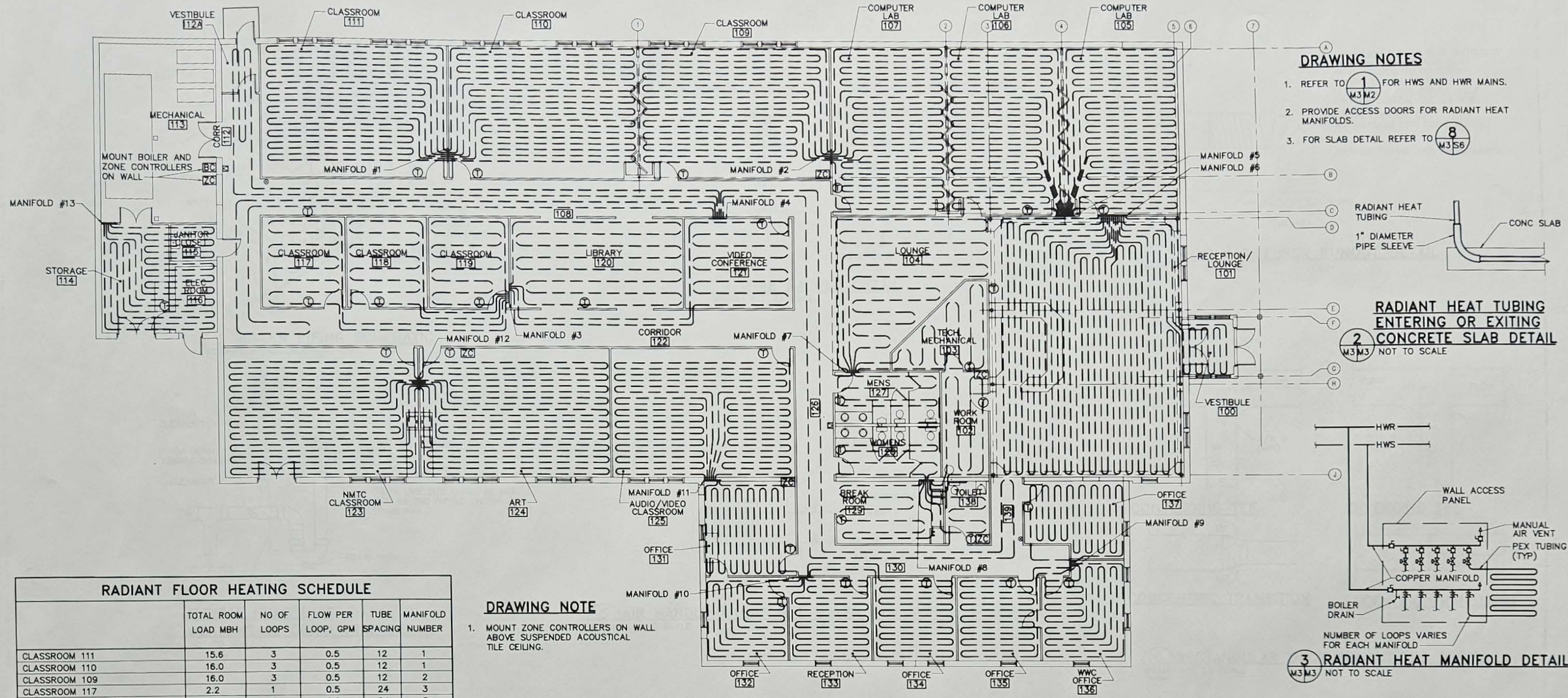
STATE OF MAINE — RICHARD P. GORDON — No. 4796 — REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	SMC
DRAWN:	RDA, SMC
CHECKED:	RPG
SCALE:	AS NOTED
JOB:	99014.04

MECHANICAL PLAN

M2



DRAWING NOTES

1. REFER TO (1 / M3 M2) FOR HWS AND HWR MAINS.
2. PROVIDE ACCESS DOORS FOR RADIANT HEAT MANIFOLDS.
3. FOR SLAB DETAIL REFER TO (8 / M3 S6)

RADIANT HEAT TUBING ENTERING OR EXITING CONCRETE SLAB DETAIL

(2 / M3 M3) NOT TO SCALE

RADIANT HEAT MANIFOLD DETAIL

(3 / M3 M3) NOT TO SCALE

RADIANT FLOOR HEATING SCHEDULE

	TOTAL ROOM LOAD MBH	NO OF LOOPS	FLOW PER LOOP, GPM	TUBE SPACING	MANIFOLD NUMBER
CLASSROOM 111	15.6	3	0.5	12	1
CLASSROOM 110	16.0	3	0.5	12	1
CLASSROOM 109	16.0	3	0.5	12	2
CLASSROOM 117	2.2	1	0.5	24	3
CLASSROOM 118	2.2	1	0.5	24	3
CLASSROOM 119	2.2	1	0.5	24	3
COMPUTER LAB 107	7.7	3	0.5	12	2
COMPUTER LAB 106	7.7	3	0.5	12	5
COMPUTER LAB 105	9.6	3	0.5	12	5
LIBRARY	4.9	1	0.5	24	3
VIDEO CONFERENCE	3.0	1	0.5	24	3
AUDIO/VIDEO CLASSROOM	11.2	3	0.5	12	11
ART	16.1	3	0.5	12	12
NMTC CLASSROOM	23.9	3	0.8	12	12
OFFICE 131	5.1	1	0.5	12	11
OFFICE 132	6.9	1	0.7	12	10
OFFICE 134	4.4	1	0.5	12	10
OFFICE 135	4.4	1	0.5	12	9
OFFICE 137	4.4	1	0.5	12	9
RECEPTION 133	4.4	1	0.5	12	10
TECH MECHANICAL	1.8	1	0.5	24	7
WWC OFFICE	8.3	1	0.8	12	9
MENS	1.7	1	0.5	24	7
WOMENS	1.7	1	0.5	24	8
TOILET	0.8	1	0.5	24	8
WORK ROOM	1.5	1	0.5	24	8
BREAK ROOM	2.1	1	0.5	24	8
RECEPTION/LOUNGE 101	48.6	7	0.7	12	6
LOUNGE	5.7	2	0.5	24	7
MECHANICAL ROOM	13.2	3	0.5	12	13
JANITOR'S CLOSET/ELEC/STORAGE	10.1	2	0.5	12	13
CORRIDOR	16.6	3	0.6		4

DRAWING NOTE

1. MOUNT ZONE CONTROLLERS ON WALL ABOVE SUSPENDED ACOUSTICAL TILE CEILING.

RADIANT HEAT TUBING PLAN

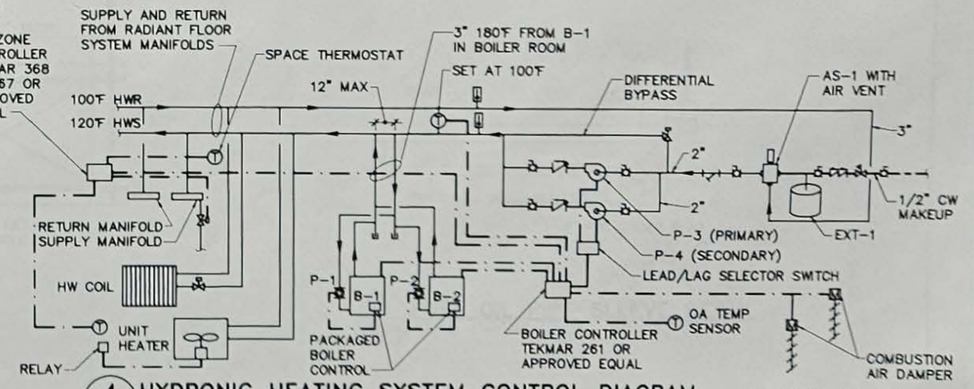
(1 / M3 M3) SCALE: 1/8"=1'-0"

PLAN NORTH

SEQUENCE OF OPERATIONS

BOILERS
ON CALL FOR HEAT BY ROOM THERMOSTAT, BOILERS SHALL MAINTAIN A CONSTANT WATER TEMPERATURE OF 180°F. BOILERS B-1 AND B-2 SHALL HAVE LEAD-LAG CONTROL. ON CALL FOR HEAT, P-3 SHALL RUN B-1 SHALL FIRE AND COMBUSTION AIR DAMPER SHALL OPEN. P-1 SHALL OPERATE TO MAINTAIN 120°F SUPPLY WATER TEMPERATURE. IF HOT WATER TEMPERATURE CAN NOT BE MAINTAINED, B-2 SHALL FIRE AND P-2 SHALL OPERATE TO MAINTAIN 120°F SUPPLY WATER TEMPERATURE. LEAD BOILER SHALL BE SELECTED AUTOMATICALLY. WHEN ROOM THERMOSTATS ARE SATISFIED, THE BOILERS SHALL BE OFF. EACH BOILER SHALL HAVE A THERMAL SWITCH ABOVE THE BURNER, AN EMERGENCY SWITCH ON THE BOILER AND AN EMERGENCY SWITCH AT THE EXTERIOR DOOR. WHEN BOILER ROOM TEMPERATURE RISES ABOVE 75°F, COMBUSTION AIR DAMPERS SHALL OPEN.

HOT WATER SUPPLY LOOP, PUMP P-3 AND P-4
PUMP P-3 (P-4 SECONDARY) SHALL OPERATE CONTINUOUSLY WHEN A ROOM THERMOSTAT CALLS FOR HEAT. PROVIDE MANUAL LEAD/LAG SWITCH FOR PUMPS P-3 AND P-4. PUMPS P-1 AND P-2 SHALL MODULATE WATER TEMPERATURE BASED ON A LINEAR OUTDOOR TEMPERATURE RESET:
32°F OUTDOOR AIR = 120°F HOT WATER SUPPLY
65°F OUTDOOR AIR = 90°F HOT WATER SUPPLY
ON CALL FOR HEAT BY ROOM THERMOSTAT, THE ASSOCIATED CONTROL VALVE SHALL OPEN. WHEN ROOM TEMPERATURE IS SATISFIED, VALVE SHALL CLOSE. THERMOSTATS SHALL HAVE 55°F NIGHT SETBACK CAPABILITY. NIGHT SETBACK SHALL BE DETERMINED BY TIMECLOCK.



HYDRONIC HEATING SYSTEM CONTROL DIAGRAM

(4 / M3 M3) NOT TO SCALE

GRAPHIC SCALE
0 4' 8' 16' 24'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

99014.04-602.dwg 101900 40121

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

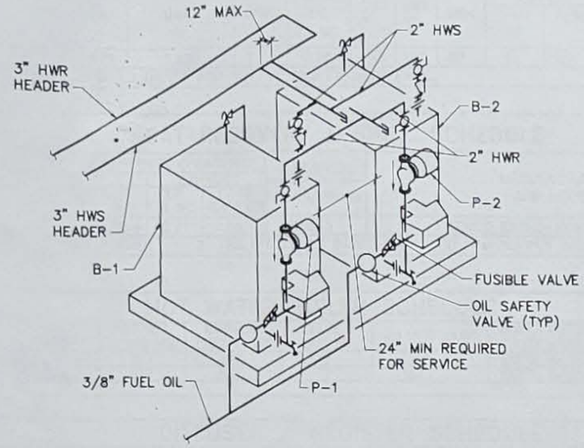
STATE OF MAINE RICHARD M. CHRISTIE REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

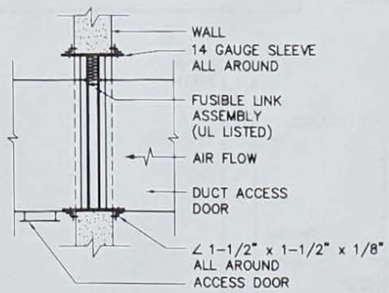
DATE:	10/20/00
DESIGN:	SMC
DRAWN:	SMC, RDA
CHECKED:	RPG
SCALE:	AS NOTED
JOB:	99014.04

RADIANT HEAT TUBING PLAN, SCHEDULE AND DETAILS

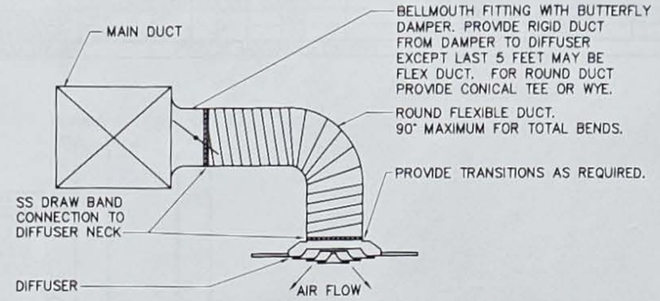
M3
30 OF 40



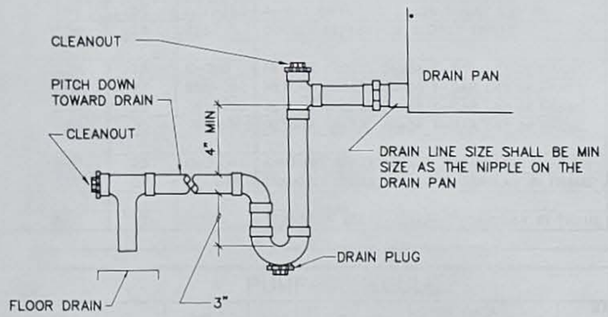
1 M2 M4 **BOILER PIPING SCHEMATIC**
NOT TO SCALE



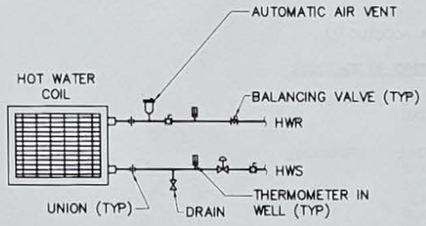
2 M4 M4 **FIRE DAMPER DETAIL**
NOT TO SCALE



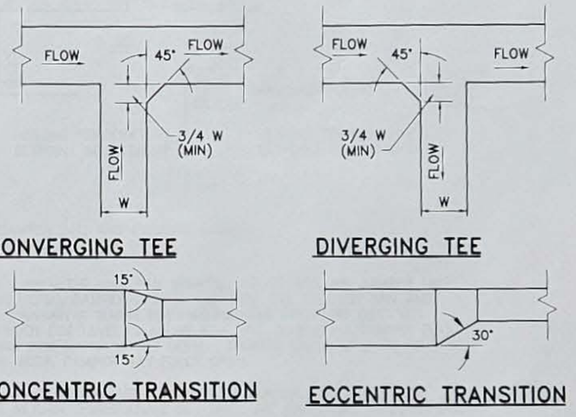
3 M4 M4 **SUPPLY DIFFUSER RUNOUT DETAIL**
NOT TO SCALE



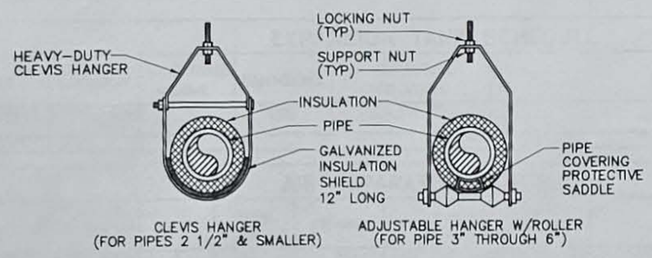
TYPICAL HVAC UNIT
4 M4 M4 **CONDENSATE DRAIN TRAP DETAIL**
NOT TO SCALE



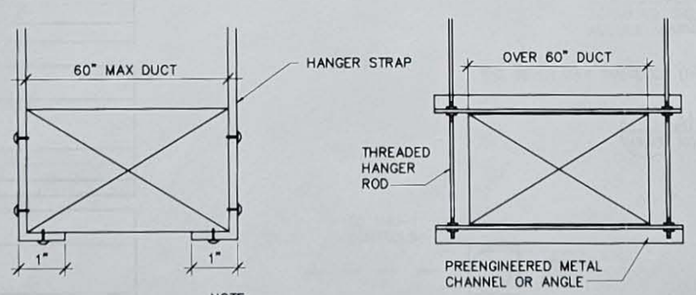
5 M4 M4 **AIR HANDLING UNIT HOT WATER COIL PIPING SCHEMATIC**
NOT TO SCALE



6 M4 M4 **RECTANGULAR DUCT TRANSITIONS DETAIL**
NOT TO SCALE

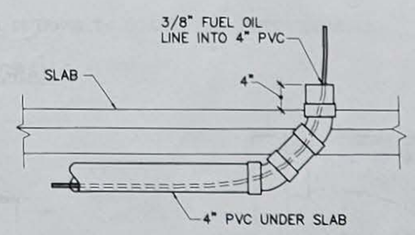


7 M4 M4 **PIPE HANGER ATTACHMENT DETAILS**
NOT TO SCALE



NOTE:
SIZE AND RATING OF HANGERS AND SUPPORTS SHALL BE PER LATEST SMACNA STANDARDS.

8 M4 M4 **DUCT SUPPORT ATTACHMENTS DETAIL**
NOT TO SCALE



9 M2 M4 **FUEL OIL PIPE SLEEVE DETAIL**
SCALE: 1"=1'-0"

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

STATE OF MAINE RICHARD P. BROWN 8331 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	SMC
DRAWN:	SMC
CHECKED:	RPG
SCALE:	AS NOTED
JOB:	99014.04

MECHANICAL DETAILS

M4

31 OF 40

AIR HANDLING UNIT SCHEDULE

UNIT NO	ESP	TSP	SUPPLY CFM		EXHAUST CFM	HOT WATER COIL					ELECTRICAL					MANUFACTURER AND MODEL	NOTES:
			TOTAL	OA	MAX	GPM	MAX PD FT WC	EWT °F	LWT °F	MBH	SUPPLY FAN HP	SUPPLY RPM	EXHAUST FAN HP	EXHAUST RPM	VOLTS/ PHASE		
AHU-1	1.54	3.71	15,800	4575	15,800	8.7	0.36	180	160	87	15	820	15	642	208/3	TRANE MODULAR CLIMATE CHANGER	1

NOTES: 1. PROVIDE VARIABLE SPEED DRIVES FOR SUPPLY AND EXHAUST FANS.

HEAT RECOVERY MODULE SCHEDULE

UNIT NO	SERVES	HEAT EXCHANGER (HEATING) SUPPLY SP IN WC	SUPPLY EAT °F	SUPPLY LAT °F	EXHAUST SP IN WC	EXHAUST EAT© RH °F© %	ELECTRICAL VOLTS/PHASE	MANUFACTURER AND MODEL	NOTES:
HR-1	AHU-1	0.71	-12	50.4	0.71	68	208/3	SEMCO EXCLU-SIEVE SMCC30	1, 2

NOTES: 1. PROVIDE 24V TRANSFORMER 2. 78% EFFICIENCY BASED ON 15,800 CFM SUPPLY AND 4575 CFM EXHAUST

HOT WATER BOILER SCHEDULE

UNIT NO	FUEL	INPUT MBH	NET IBR RATING MBH	MINIMUM EFFICIENCY	FLUE SIZE IN	VOLTS/PHASE	MANUFACTURER AND MODEL	NOTES:
B-1	OIL	294	217	80%	7	115/1	SMITH 8-W-6H	
B-2	OIL	294	217	80%	7	115/1	SMITH 8-W-6H	

NOTES:

DIFFUSER / REGISTER SCHEDULE

UNIT NO	NECK SIZE IN	MAX PRESSURE DROP IN WC	MAX NOISE CRITERIA	CFM RANGE	TYPE	MANUFACTURER AND MODEL	NOTES:
S-1	8ø	0.06	25	0-215	4-WAY DIFFUSER, 24x24 T-BAR LAY IN	KRUEGER 1400	
S-2	10ø	0.09	25	216-385	4-WAY DIFFUSER, 24x24 T-BAR LAY IN	KRUEGER 1400	
S-3	12ø	0.07	25	386-440	4-WAY DIFFUSER, 24x24 T-BAR LAY IN	KRUEGER 1400	
S-4	14ø	0.10	28	441-630	4-WAY DIFFUSER, 24x24 T-BAR LAY IN	KRUEGER 1400	
S-5	15ø	0.14	30	631-730	4-WAY DIFFUSER, 24x24 T-BAR LAY IN	KRUEGER 1400	
S-6	18x12	0.06	23	795	DOUBLE DEFLECTION SUPPLY GRILLE	KRUEGER 880	
R-1	8x8	0.08	25	0-205	RETURN GRILLE, 24x24 T-BAR LAY IN FRAME	KRUEGER 1400	
R-2	10x10	0.08	27	206-360	RETURN GRILLE, 24x24 T-BAR LAY IN FRAME	KRUEGER 1400	
R-3	18x18	0.03	28	361-790	RETURN GRILLE, 24x24 T-BAR LAY IN FRAME	KRUEGER 1400	
R-4	24x24	0.04	30	791-1315	RETURN GRILLE, 24x24 T-BAR LAY IN FRAME	KRUEGER 1400	
E-1	6x6	0.07	25	0-75	EXHAUST GRILLE, 24x24 T-BAR LAY IN FRAME	KRUEGER 1400	
E-2	10x10	0.07	27	76-345	EXHAUST GRILLE, 24x24 T-BAR LAY IN FRAME	KRUEGER 1400	
T-1	10x10	0.07	27	260	TRANSFER GRILLE, 24x24 T-BAR LAY IN FRAME	KRUEGER 1400	

NOTES:

PUMP SCHEDULE

UNIT NO	SERVES	TYPE	GPM	TOTAL HEAD	MOTOR DATA HP	MOTOR DATA RPM	MOTOR DATA VOLTS/PHASE	MANUFACTURER AND MODEL	NOTES:
P-1	B-1	SEAL-TYPE	20	3.54	1/12	1725	115/1	TACO 110	
P-2	B-2	SEAL-TYPE	20	3.54	1/12	1725	115/1	TACO 110	
P-3	HEATING (PRIMARY)	CARTRIDGE	43.9	18.38	1/2	1725	208/3	TACO 132	
P-4	HEATING (SECONDARY)	CARTRIDGE	43.9	18.38	1/2	1725	208/3	TACO 132	

NOTES:

GRAVITY HOOD SCHEDULE

UNIT NO	SERVES	CFM	TYPE	MAX PRESSURE DROP IN WC	THROAT SIZE	CURB CAP SIZE	MANUFACTURER AND MODEL	NOTES:
GE-1	AHU-1	15800	EXHAUST	0.25	24x72	32x80	GREENHECK FABRA HOOD	
GI-1	AHU-1	15800	INTAKE	0.25	24x78	32x80	GREENHECK FABRA HOOD	

NOTES:

EXPANSION TANK SCHEDULE

UNIT NO	LOCATION	ACCEPTANCE VOLUME	DIMENSIONS	MANUFACTURER AND MODEL	NOTES:
EXT-1	MECH ROOM	5	14x22	TACO CX-30	

NOTES:

AIR SEPARATOR SCHEDULE

UNIT NO	LOCATION	SIZE	FLOW GPM	STRAINER	MANUFACTURER AND MODEL	NOTES:
AS-1	MECH ROOM	3"	43	NO	BELL AND GOSSETT EAS 2	

NOTES:

FAN SCHEDULE

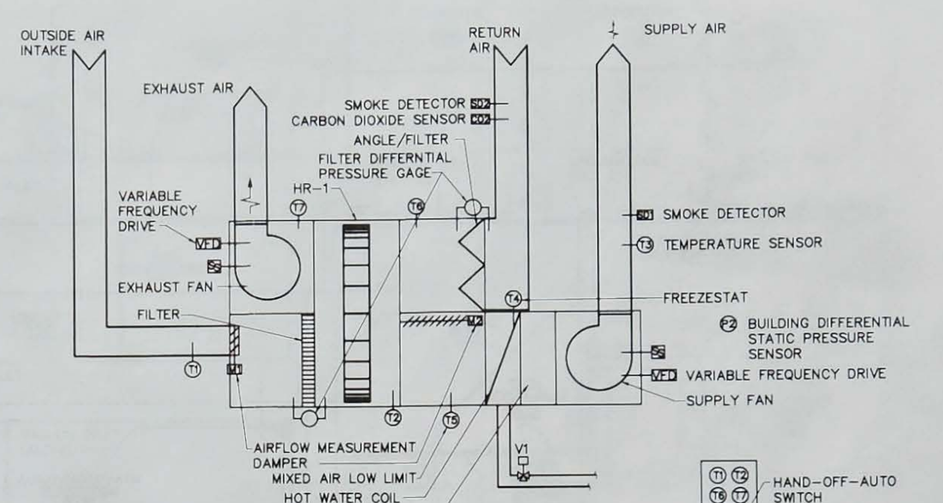
UNIT NO	SERVES	CFM	MAX PRESSURE DROP IN WC	DRIVE TYPE	FAN TYPE	FAN RPM	SONES	HP	VOLTS/ PHASE	MANUFACTURER AND MODEL	NOTES:
EF-1	TOILETS/BREAK RM	870	0.25	BELT	EXHAUST	1725	10.8	0.14	115/1	COOK 100C 2B	
EF-2	JANITORS CLOSET	50	0.125	DIRECT	EXHAUST	1200	2.3	27W	115/1	COOK GC-120	
EF-3	TECH/MECH	260	0.25	DIRECT	EXHAUST	1145	3.4	0.05	115/1	COOK GC-420	1

NOTES: 1. PROVIDE VARIABLE SPEED SWITCH. MOUNT ON FAN HOUSING.

LOUVER SCHEDULE

UNIT NO	SERVES	TYPE	DIMENSIONS LENGTH	DIMENSIONS HEIGHT	DIMENSIONS DEPTH	FREE AREA SQUARE FT	MANUFACTURER AND MODEL	NOTES:
L-1	MECH ROOM	STATIONARY	18"	24"	4"	1.02	RUSKIN ELF 375	1,2
L-2	MECH ROOM	STATIONARY	18"	24"	4"	1.02	RUSKIN ELF 375	1,2

NOTES: 1. EXTRUDED ALUMINUM LOUVER 2. PROVIDE MOTORIZED DAMPER



SEQUENCE OF OPERATIONS - AHU-1

UNOCCUPIED: UNIT SHALL NOT OPERATE. OUTSIDE AIR DAMPER (M1) AND EXHAUST DAMPER (M2) SHALL BE CLOSED AND THE EXHAUST FAN SHALL BE OFF.

OCCUPIED: UNIT FAN SHALL OPERATE CONTINUOUSLY. WHEN THE UNIT FAN STARTS, THE OUTSIDE AIR DAMPER (M1) SHALL OPEN TO ITS MINIMUM POSITION (920 CFM), DAMPER (M2) SHALL OPEN AND EXHAUST FAN AND SUPPLY FAN SPEED SHALL MODULATE TO MAINTAIN A SLIGHT BUILDING POSITIVE PRESSURE (0.1" WC). HEAT RECOVERY WHEEL SHALL ROTATE. WHEN CO2 LEVEL IS ABOVE 600 PPM, OUSIDE AIR DAMPER (M1) SHALL MODULATE OPEN TO MAINTAIN A 600 PPM MAXIMUM CO2 LEVEL. DAMPER SHALL OPEN TO PROVIDE UP TO 4575 CFM, EXCEPT IN ECONOMIZER MODE, DAMPER MAY FULLY OPEN.

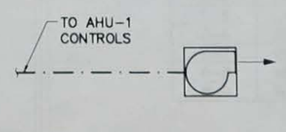
COOLING: ON CALL FOR COOLING (ABOVE 76°F) FROM THE RETURN AIR TEMPERATURE SENSOR (T6) AND IF THE OUTSIDE AIR TEMPERATURE IS BELOW THE RETURN TEMPERATURE SETPOINT, THE UNIT SHALL COOL BY THE ECONOMIZER. THE OUTSIDE AIR DAMPER (M1) SHALL MODULATE OPEN AND THE RETURN DAMPER (M2) SHALL MODULATE CLOSED TO PROVIDE MINIMUM 55°F SUPPLY AIR. HEAT RECOVERY WHEEL SHALL STOP TURNING. IF THE OUTDOOR TEMPERATURE AND HUMIDITY IS ABOVE THE ENTHALPY SETPOINT, THE OUTSIDE AIR DAMPER (M1) WILL BE AT MINIMUM POSITION. THE RETURN AIR DAMPER (M3) SHALL BE AT MAXIMUM POSITION.

HEATING: UNIT SHALL MODULATE VALVE (V1) TO MAINTAIN 68°F SUPPLY AIR TEMPERATURE.

SAFETY CONTROLS: SMOKE DETECTORS (SD1 AND SD2), UPON ACTIVATION, SHALL SEND AN ALARM SIGNAL TO THE FIRE ALARM PANEL. FIRE ALARM SHALL SEND A SIGNAL TO THE TEMPERATURE CONTROL PANEL, AND SHALL SHUTDOWN AHU-1.
IF THE SUPPLY AIR TEMPERATURE (T3) OR THE FREEZESTAT (T4) OR THE MIXED AIR LOW LIMIT (T5) IS ACTIVATED, THE RESPECTIVE AHU SHALL BE DEENERGIZED AND THE PANEL SHALL ACTIVATE A VISUAL AND AUDIBLE ALARM MESSAGE AND SEND BEEPER CALL VIA MODEM.

THE SEVEN DAY TIMECLOCK (FROM BOILER CONTROLLER) SHALL DETERMINE THE OCCUPIED AND UNOCCUPIED MODES.

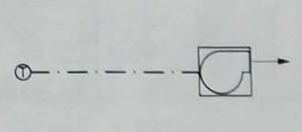
1 M8 M8 AHU-1 CONTROL DIAGRAM
NOT TO SCALE



SEQUENCE OF OPERATIONS:

EXHAUST FAN SHALL OPERATE DURING OCCUPIED MODE. BOILER CONTROLLER TIMECLOCK SHALL DETERMINE MODE.

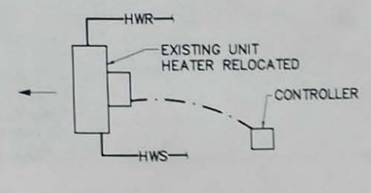
2 M5 M5 EXHAUST FAN CONTROL DIAGRAM (EF-1, EF-2)
NOT TO SCALE



SEQUENCE OF OPERATIONS:

ON CALL FOR COOLING FROM SPACE THERMOSTAT EXHAUST FAN EF-3 SHALL OPERATE.

3 M5 M5 EXHAUST FAN CONTROL DIAGRAM (EF-3)
NOT TO SCALE



SEQUENCE OF OPERATIONS:

HOT WATER SHALL RUN THROUGH UNIT HEATER WHEN PUMP P-3 (P-4 SECONDARY) RUN. ON CALL FOR HEAT FROM SPACE THERMOSTAT, UNIT HEATER FAN SHALL OPERATE.

4 M5 M5 UNIT HEATER CONTROL DIAGRAM
NOT TO SCALE

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

STATE OF MAINE RICHARD P. BACKMAN 17796 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	SMC
DRAWN:	SMC
CHECKED:	RPG
SCALE:	AS NOTED

MECHANICAL SCHEDULES AND CONTROL DIAGRAMS

M5
32 OF

ABBREVIATIONS

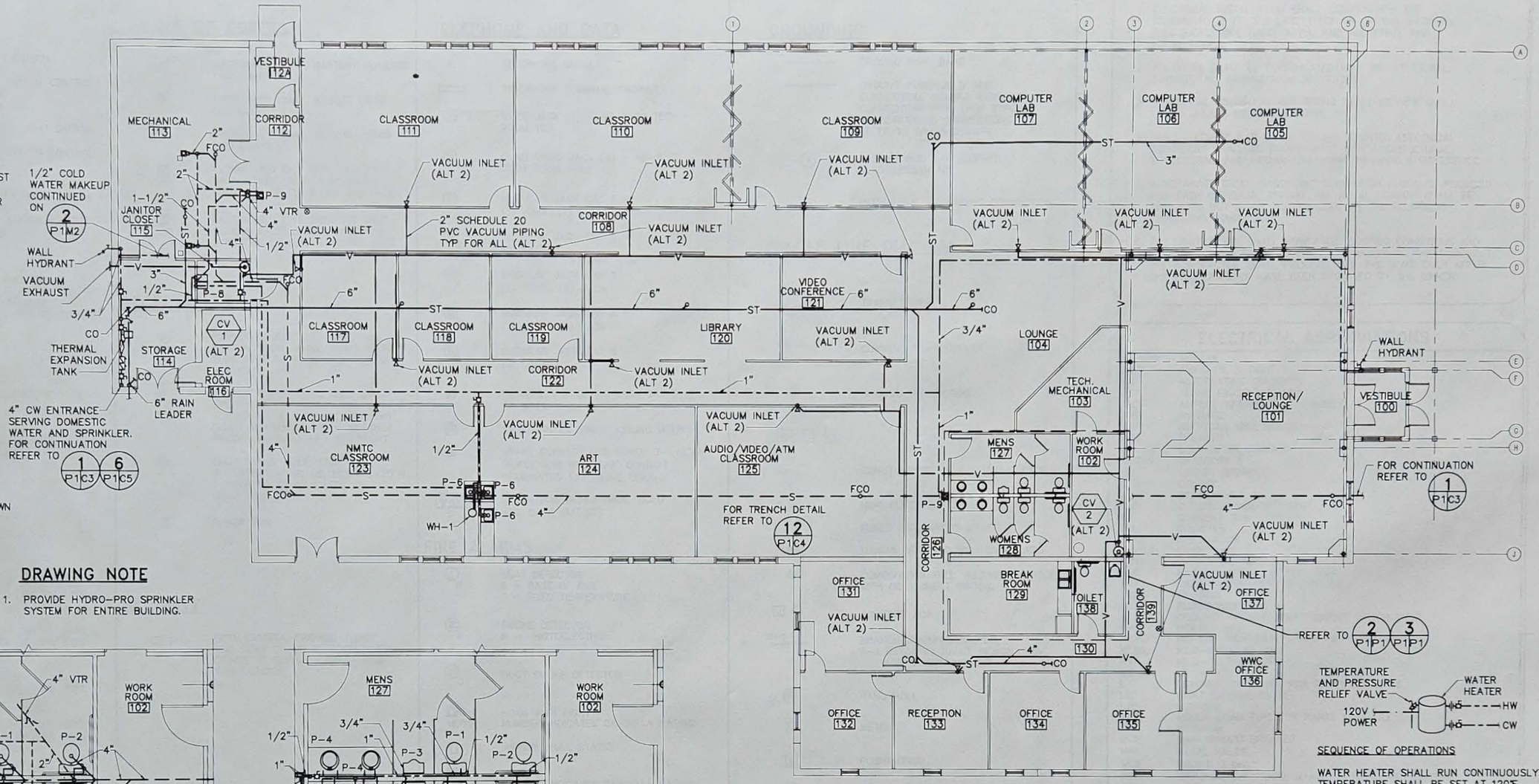
ADA	AMERICANS WITH DISSABILITIES ACT
ALT	ALTERNATE
CO	CLEANOUT
CW	COLD WATER
FCO	FLOOR CLEANOUT
HW	HOT WATER
P–	PLUMBING FIXTURE DESIGNATION
S	SOIL PIPING
ST	STORM DRAIN PIPING
VTR	VENT THROUGH ROOF
WH–	WATER HEATER DESIGNATION

PLUMBING SYMBOLS LEGEND

- H / 2 — SYMBOL PER ABBREVIATION LIST / EQUIPMENT SEQUENCE NUMBER
- ITEMS TO BE PROVIDED
- ITEMS TO BE REMOVED
- EXISTING ITEMS
- –S– SOIL PIPING BELOW GRADE
- –ST– STORM DRAIN PIPING
- –V– CENTRAL VACUUM LINE
- COLD WATER PIPING
- HOT WATER PIPING
- VENT PIPING
- CO CLEAN OUT
- FCO FLOOR CLEAN OUT
- WATER METER
- REDUCED PRESSURE ZONE BACKFLOW PREVENTOR
- WATER HYDRANT
- ELBOW DOWN
- ELBOW UP OR UP AND DOWN
- PIPE TEE DOWN
- BALL VALVE
- FD FLOOR DRAIN
- P–TRAP

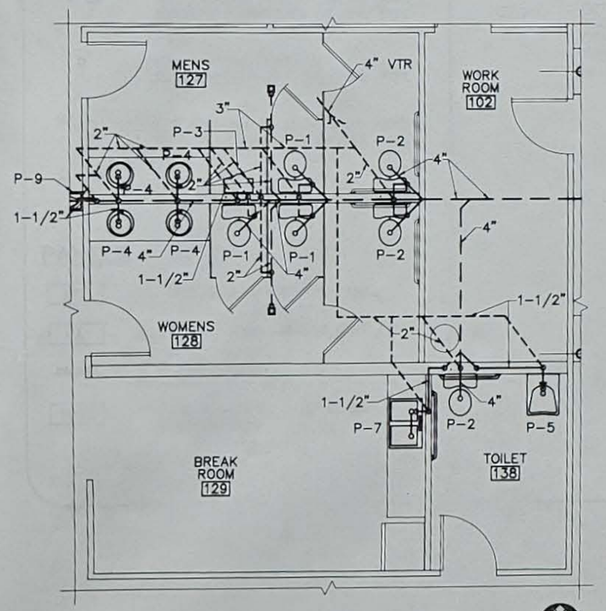
DRAWING NOTE

1. PROVIDE HYDRO–PRO SPRINKLER SYSTEM FOR ENTIRE BUILDING.



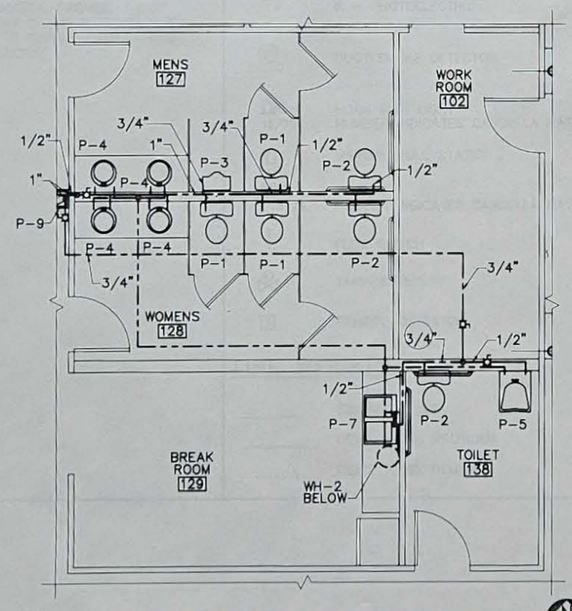
1 PLUMBING PLAN
M2 P1P1 SCALE: 1/8"=1'–0"

PLAN NORTH



2 TOILET ROOM SANITARY PART PLAN
P1P1 SCALE: 1/4"=1'–0"

PLAN NORTH



3 TOILET ROOM WATER PIPING PART PLAN
P1P1 SCALE: 1/4"=1'–0"

PLAN NORTH

PLUMBING FIXTURE SCHEDULE

UNIT NO	DESCRIPTION	WASTE	VENT	HW	CW	TYPICAL MANUFACTURER AND MODEL	REMARKS
P–1	WATER CLOSET	4"	2"		1/2"	AMERICAN STANDARD CADET EL 1.6/PA	
P–2	WATER CLOSET– ADA	4"	2"		1/2"	AMERICAN STANDARD CADET 17"H EL 1.6/PA	
P–3	URINAL– ADA	2"	1–1/2"		3/4"	AMERICAN STANDARD TRIMBROOK	
P–4	LAVATORY– ADA	1–1/2"	1–1/2"	1/2"	1/2"	AMERICAN STANDARD AQUALYN	
P–5	LAVATORY– ADA	1–1/2"	1–1/2"	1/2"	1/2"	AMERICAN STANDARD COMRADE	
P–6	SINGLE BOWL SINK– ADA	1–1/2"	1–1/2"	1/2"	1/2"	ELKAY LR–2522	
P–7	DOUBLE BOWL SINK– ADA	1–1/2"	1–1/2"	1/2"	1/2"	ELKAY LR–3321	
P–8	SERVICE SINK	2"	1–1/2"	1/2"	1/2"	FIAT MSB–2424	
P–9	ELECTRIC WATER COOLER– ADA	1–1/2"	1–1/2"		1/2"	ELKAY EBFSA–8	

CENTRAL VACUUM SCHEDULE (ALT 2)

UNIT NO	SUCTION POWER (WATER LIFT)	AIRFLOW CFM	SOUND LEVEL DBL	MAXIMUM AMPS	VOLTS	MANUFACTURER AND MODEL
CV–1	146"	103	64.3	14.4	120	BEAM SERENITY 2250
CV–1	146"	103	64.3	14.4	120	BEAM SERENITY 2250

SEQUENCE OF OPERATIONS

WATER HEATER SHALL RUN CONTINUOUSLY. TEMPERATURE SHALL BE SET AT 120°F.

2 WATER HEATER CONTROL DIAGRAM (WH–1, WH–2)
P1P1 NOT TO SCALE

GRAPHIC SCALES

1/4"=1'–0" 0 2' 4' 8' 12'

1/8"=1'–0" 0 4' 8' 16' 24'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

STATE OF MAINE RICHARD P. DENNISON PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	RPG
DRAWN:	RDA
CHECKED:	RPG
SCALE:	AS NOTED
JOB:	99014.04

PLUMBING PLANS, SCHEDULE, LEGEND AND ABBREVIATIONS

P1

33 OF 40

ELECTRICAL SYMBOLS

LIGHTING

- S_{ab} — 120/277V, 20A LIGHT SWITCH, SPECIFICATION GRADE. SUBSCRIPT DENOTES SWITCH CONTROL: a = OUTER 2 LAMPS, b = INNER LAMP (S)
- S_3 — 120/277V, 20A 3-WAY LIGHT SWITCH, SPECIFICATION GRADE. SUBSCRIPT DENOTES SWITCH CONTROL: a = OUTER 2 LAMPS, b = INNER LAMP (S)
- S_4 — 120/277V, 20A 4-WAY LIGHT SWITCH SPECIFICATION GRADE. SUBSCRIPT DENOTES SWITCH CONTROL: a = OUTER 2 LAMPS, b = INNER LAMP (S)
- A_{ab} — FLUORESCENT LIGHT FIXTURES "A" INDICATES TYPE - REFER TO LIGHT FIXTURE SCHEDULE. SUBSCRIPT INDICATES FIXTURE CONTROL: a = OUTER 2 LAMPS, b = INNER LAMP (S)
- F_O — RECESSED DOWNLIGHT. SUBSCRIPT INDICATES FIXTURE TYPE
- F_O — WALL MOUNTED FIXTURE. SUBSCRIPT INDICATES FIXTURE TYPE
- O_U — OCCUPANCY SENSOR. U = ULTRASONIC
- W_G — WALL WASH - RECESSED
- PC — PHOTOCELL
- $S1$ — SITE LIGHTING POLE - DUAL HEAD. SUBSCRIPT INDICATES FIXTURE TYPE
- $S1$ — SITE LIGHTING POLE - SINGLE HEAD. SUBSCRIPT INDICATES FIXTURE TYPE
- $S1$ — SITE LIGHTING BOLLARD. SUBSCRIPT INDICATES FIXTURE TYPE
- $S1$ — SITE LIGHTING FLOOD - DUAL HEAD. SUBSCRIPT INDICATES FIXTURE TYPE
- $S1$ — SITE LIGHTING FLOOD - SINGLE HEAD. SUBSCRIPT INDICATES FIXTURE TYPE

PANELS

- FC — FIRE ALARM CONTROL PANEL
- FA — FIRE SYSTEM ANNUNCIATOR
- PANELBOARD
- TVSS — TRANSIENT VOLTAGE SURGE SUPRESSION

MEANS OF EGRESS

- EMERGENCY LIGHT, BATTERY POWERED TWO LAMPS
- EMERGENCY LIGHT, REMOTE HEAD ONE LAMP
- EMERGENCY LIGHT, REMOTE HEADS TWO LAMPS
- ILLUMINATED EXIT SIGN, LED TYPE SINGLE FACE, ARROW INDICATES DIRECTION OF FLOW FOR THE FACE
- ILLUMINATED EXIT SIGN, LED TYPE DOUBLE FACE, ARROWS INDICATE DIRECTION OF FLOW FOR THE FACE

RECEPTACLES

- Φ_C — DUPLEX RECEPTACLE, 120V, 20A, SPECIFICATION GRADE, NEMA 5-20 R. SUBSCRIPT "C" INDICATES CEILING MOUNTED
- Φ_G — DUPLEX RECEPTACLE, 120V, 20A SPECIFICATION GRADE, NEMA 5-20 R. SUBSCRIPT "G" INDICATES GROUND FAULT INTERRUPT; WP = WEATHER PROOF GROUND FAULT INTERRUPT
- Φ_C — QUAD RECEPTACLE, 120V, 20A, SPECIFICATION GRADE, NEMA 5-20 R. SUBSCRIPT "C" INDICATES CEILING MOUNTED
- FLOOR BOX

SECURITY

- CCTV CAMERA, PROVIDE J-BOX AND COAX CABLE TO ROOM 103. OWNER TO SUPPLY CAMERA AND CONNECTIONS

TELEPHONE AND DATA

- TELEPHONE OUTLET
- TELEPHONE TERMINAL CABINET
- V — VIDEO JACK (1) - RG-6 TO TECH ROOM 103
- V_4 — QUAD VIDEO JACK (4) - RG-6 TO TECH ROOM 103
- D — MODULAR JACK CAT 5 - (1) VOICE, (1) DATA
- D_2 — MODULAR JACK CAT 5 - (2) DATA
- D_3 — MODULAR JACK CAT 5 - (1) VOICE, (2) DATA
- D_4 — MODULAR JACK CAT 5 - (1) VOICE, (3) DATA
- D_8 — MODULAR JACK CAT 5 - (8) DATA
- P — PRINTER - MODULAR JACK CAT 5 - (1) DATA
- VP — VIDEO PROJECTION - CEILING MOUNT
- S — SPARE CONDUIT AND BOX - 2-1/2"x4" DEVICE BOX WITH 3/4" CONDUIT TERMINATED 12" ABOVE CEILING
- ΦVD — FLOOR BOX WITH POWER, VIDEO AND DATA OUTLETS

FIRE ALARMS

- H_R — HEAT DETECTOR. R = RATE OF RISE, F = FIXED TEMPERATURE
- S_P — SMOKE DETECTOR. P = PHOTOELECTRIC
- S_D — DUCT SMOKE DETECTOR
- H 15/75 — HORN WITH LIGHT. NUMBER INDICATES CANDELLA RATING
- F — MANUAL PULL STATION
- S 15/75 — STROBE. NUMBER INDICATES CANDELLA RATING
- FLOW SWITCH
- TAMPER SWITCH
- R — REMOTE INDICATOR

LINE WEIGHTS

- EXISTING ITEMS
- ITEMS TO BE PROVIDED
- ITEMS TO BE REMOVED

GROUNDING

- GROUND WIRE, BARE
- GROUND POWERWELD WIRE CONNECTION, NUMBER INDICATES CONNECTION TYPE. (FOR TYPES OF POWERWELD CONNECTIONS REFER TO DRAWING ---
- GROUND ROD 3/4" COPPER CLAD. LENGTH 10'
- MECHANICAL GROUNDING CONNECTION

SINGLE LINE DIAGRAM

- TRANSFORMER
- CURRENT TRANSFORMER
- GROUND CONNECTION

GENERAL

- CONSTANT SPEED INDUCTION MOTOR
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- M — MANUAL STARTER WITH OVERLOADS
- COMBINATION FULL VOLTAGE STARTER WITH DISCONNECT SWITCH.
- J — JUNCTION BOX
- A-1 — BRANCH CIRCUIT HOMERUN, A-1 INDICATES PANEL DESIGNATION AND CIRCUIT NUMBER
- HH — HAND HOLE
- M — METER
- PUSHBUTTON
- WH — WATER HEATER
- TC — TIME CLOCK
- TX — TRANSFORMER
- CV — CENTRAL VAC UNIT
- ZC — ZONE CONTROLS FOR INSLAB RADIANT HEAT
- BC — BOILER CONTROLS FOR INSLAB RADIANT HEAT

ELECTRICAL GENERAL NOTES

1. ELECTRICAL INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NFPA, AND ALL STATE AND LOCAL CODES.
2. ALL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL TRADES.
3. ELECTRICAL EQUIPMENT AND WIRING SHALL BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.
4. LIGHT FIXTURES AND OTHER CEILING MOUNTED ELECTRICAL EQUIPMENT SHALL BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL WORK TO AVOID INTERFERENCE.
5. A SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH INDIVIDUAL CIRCUIT. ALL METAL CONDUIT SHALL BE GROUNDED BUT SHALL NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. THE CONTRACTOR SHALL PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER.

ELECTRICAL ABBREVIATIONS

A, AMP	AMPERE
A3P	AMPERES, 3-POLE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C	CONDUCTOR, CONDUIT
CAT 5	CATAGORY 5
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CT	CURRENT TRANSFORMER
DIA	DIAMETER
DISC	DISCONNECT
EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EOE	EXISTING OVERHEAD ELECTRICAL
EOT	EXISTING OVERHEAD TELEPHONE
EXIST	EXISTING
FL	FLUORESCENT
G	GROUND; GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
KCMIL	KILO-CIRCULAR MILS
KVA	KILO-VOLT-AMPERE
KW	KILO-WATT
L	LIGHTING LOAD TYPE FOR PANEL SCHEDULE
LED	LIGHT EMITTING DIODE
LTS	LIGHTING
M	MOTOR LOAD TYPE FOR PANEL SCHEDULE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MH	METAL HALIDE
MLO	MAIN LUG ONLY
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO, #	NUMBER
NTS	NOT TO SCALE
Φ	PHASE
P	POLE
PNL	PANEL
P/O	PART OF
PVC	POLY VINYL CHLORIDE
R	RECEPTACLE LOAD TYPE FOR PANEL SCHEDULE
REC	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMC	RIGID METAL CONDUIT
SPDT	SINGLE POLE, DOUBLE THROW
SW	SWITCH
TC	TIME CLOCK
TEL	TELEPHONE
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPRESSION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
V	VOLT
VA	VOLT-AMPHERE
VAC	VOLTS ALTERNATING CURRENT
W	WATT, WIRE
W/	WITH

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

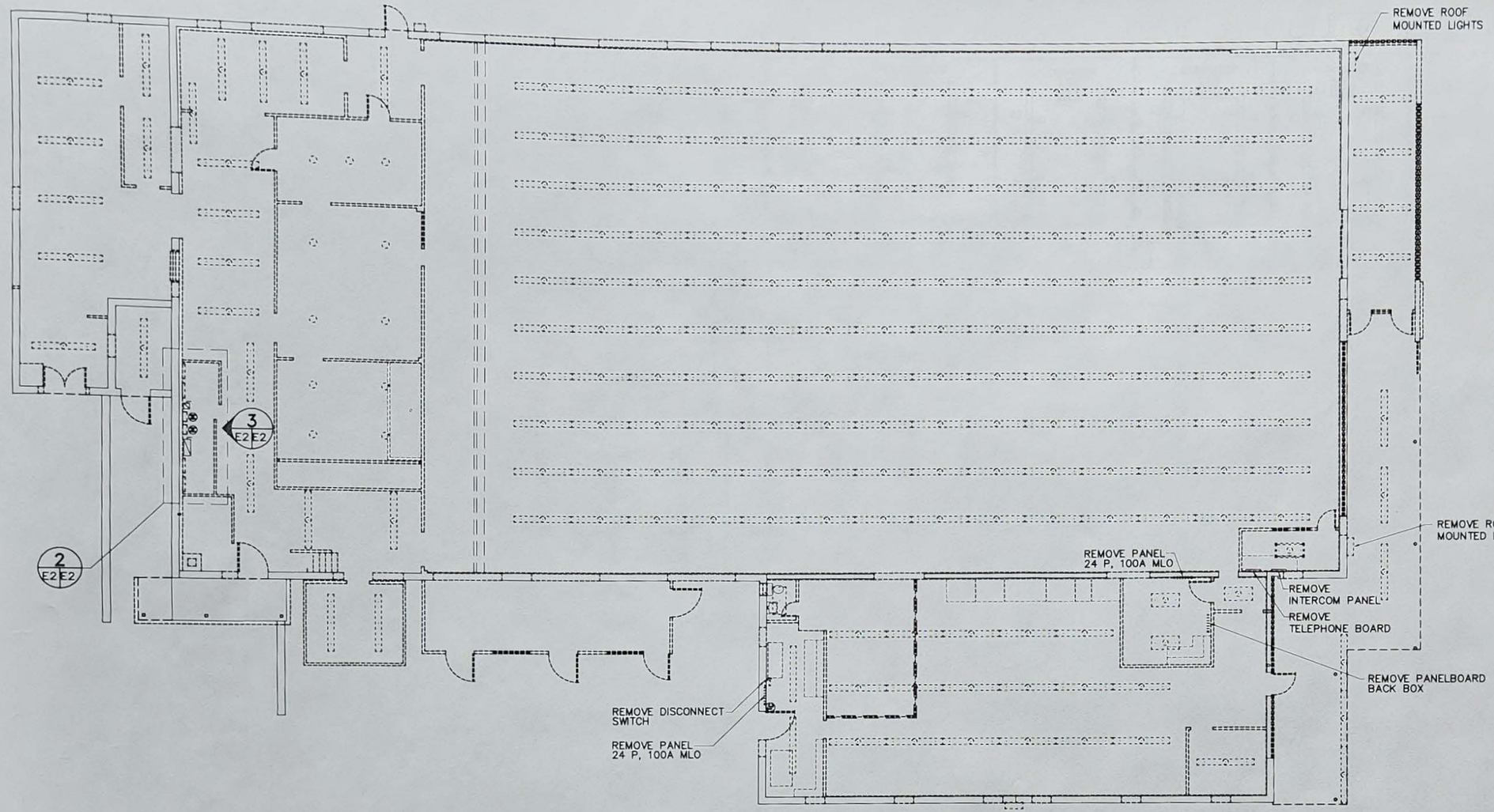
STATE OF MAINE — MECHANICAL ENGINEER — PROFESSIONAL

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	SDW
DRAWN:	RML
CHECKED:	FJP
SCALE:	AS NOTED
JOB:	9901A.04

SYMBOLS LEGEND, NOTES, AND ABBREVIATIONS

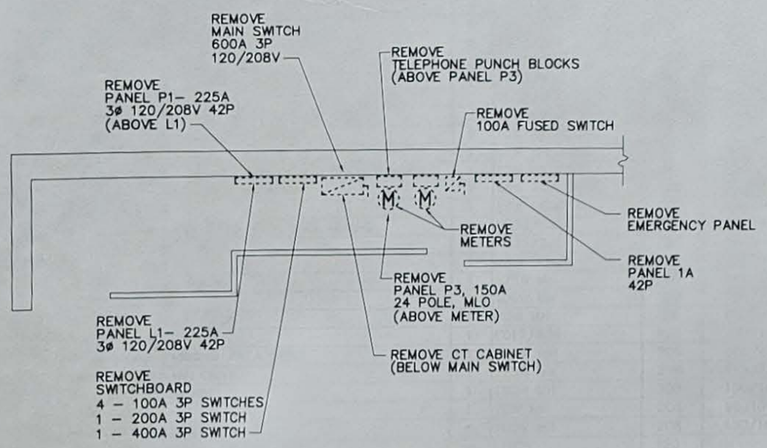
E1



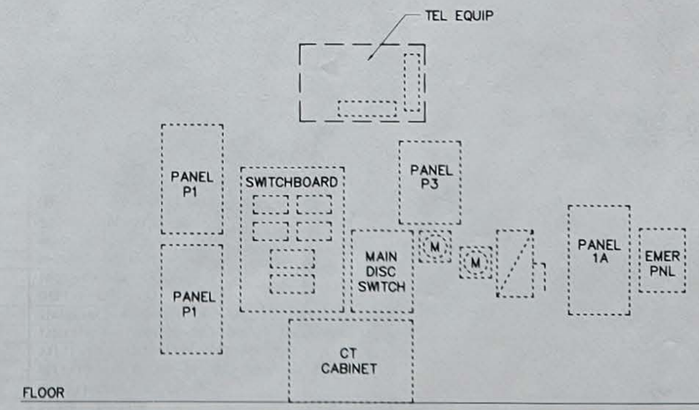
1 E2 E2 **ELECTRICAL REMOVALS PLAN**
SCALE: 1/8"=1'-0"

REMOVAL NOTES:

1. REMOVE LIGHT FIXTURES WITH ASSOCIATED SWITCHES, JUNCTION BOXES, WIRING AND CONDUIT BACK TO SOURCE PANEL. ASSUME LIGHT FIXTURE BALLASTS CONTAIN PCBs. DISPOSE OF PCB CONTAINING BALLASTS IN ACCORDANCE WITH APPLICABLE REMOVAL, TRANSPORTATION AND DISPOSAL REGULATIONS.
2. REMOVE RECEPTACLES WITH ASSOCIATED WIRING AND CONDUIT BACK TO THE SOURCE PANEL. FOR BIDDING PURPOSES ASSUME 50 RECEPTACLES WITH 75' OF 3-#12 IN 3/4"C FOR EACH RECEPTACLE.
3. REMOVE PANELBOARDS WITH ASSOCIATED CONDUIT AND WIRING BACK TO SWITCHBOARD.
4. REMOVE SWITCHBOARD, CT CABINET, DISCONNECT SWITCHES, AND METERS WITH ASSOCIATED CONDUIT AND WIRING. EXISTING OVERHEAD SERVICE SHALL BE REMOVED BACK TO POLE MOUNTED TRANSFORMERS. COORDINATE WORK WITH ELECTRIC UTILITY.
5. REMOVE TELEPHONE BOARDS, EQUIPMENT AND TELEPHONE OUTLETS WITH ASSOCIATED WIRING AND CONDUIT.
6. REMOVE INTERCOM PANEL WITH ASSOCIATED EQUIPMENT, WIRING AND CONDUIT.
7. REMOVE DISCONNECT SWITCHES, JUNCTION BOXES, WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT BEING REMOVED.



2 E2 E2 **PART PLAN-ELECTRIC SERVICE**
NOT TO SCALE



3 E2 E2 **ELEVATION-ELECTRIC SERVICE**
NOT TO SCALE

GRAPHIC SCALE
0 4' 8' 16' 24'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

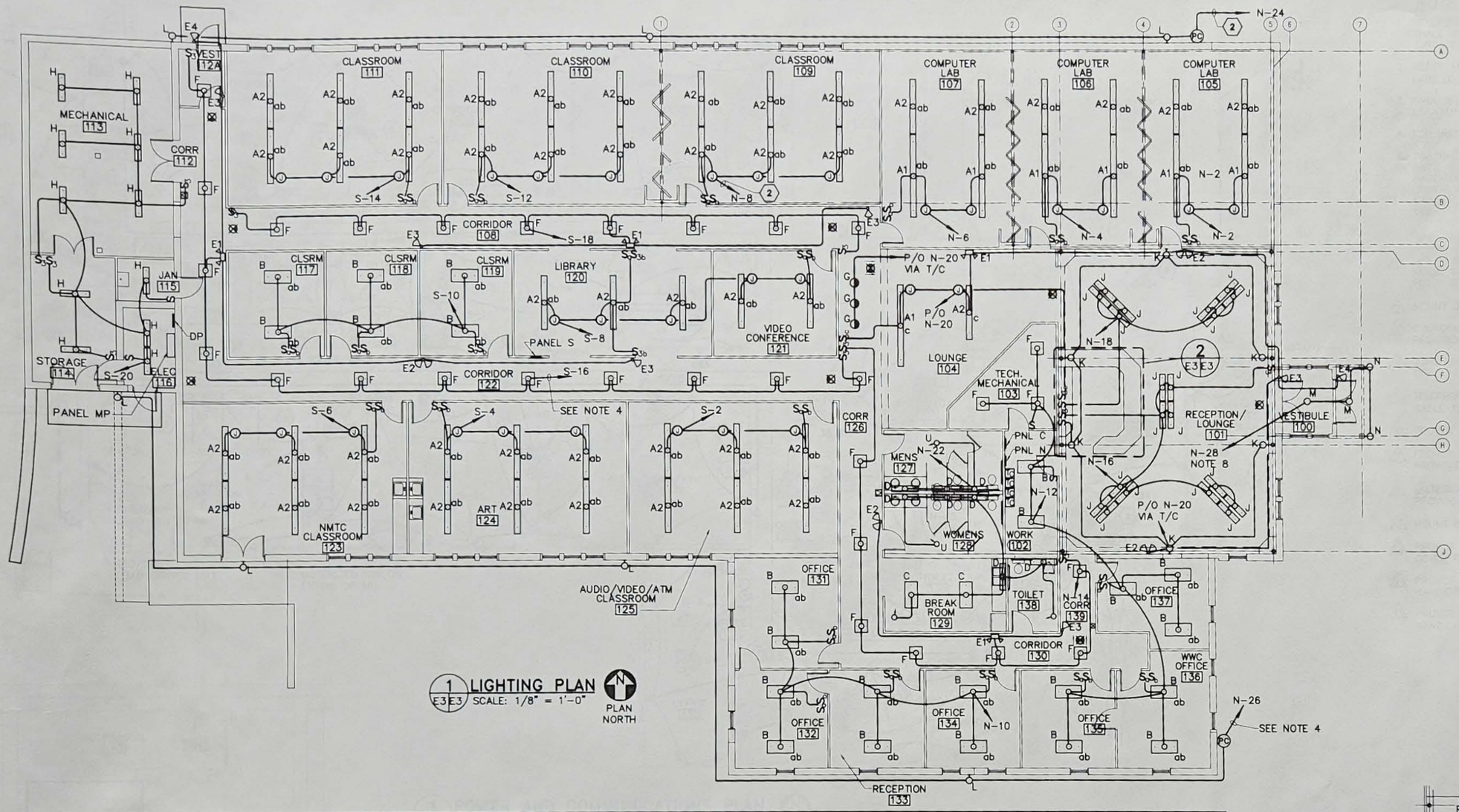
STATE OF MAINE FRANK PAUL JR. 5782 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	SDW,DCL
DRAWN:	RML,DCL
CHECKED:	FJP
SCALE:	AS NOTED
JOB:	99014.04

ELECTRICAL REMOVALS PLAN

E2
35 OF 40



1 LIGHTING PLAN (E3 E3) SCALE: 1/8" = 1'-0"

NOTES

1. REFER TO REFLECTED CEILING PLAN (SHEET A1) FOR LOCATIONS OF CEILING MOUNTED LIGHT FIXTURES.
2. EXIT SIGNS SHALL BE CIRCUITED TO MP-39. 2 #12, 1 #12G IN 3/4"C.
3. WIRING FOR CIRCUITS WITH 3-WAY SWITCHING SHALL BE #10 AWG MINIMUM.
4. WIRING FOR CIRCUITS S-16 AND N-26 SHALL BE #8 AWG.
5. FIXTURE TYPE A1 AND A2 MOUNTING DETAILS SEE SHEET E6.
6. FIXTURE TYPE J MOUNTING DETAILS SEE SHEET E6.
7. POWER CORD DROPS FOR TYPE A1 AND A2 FIXTURES SHALL BE LOCATED AT CABLE SUPPORT ADJACENT TO JUNCTION BOX SHOWN ON PLAN. CORD DROPS FOR EACH ROW SHALL LINE UP.
8. WIRE CIRCUIT N-28 VIA TIME CLOCK. SEE SITE LIGHTING CONTROL SCHEDULE ON SHEET E7.
9. WIRE TYPE E1 FIXTURES AHEAD OF ANY SWITCHES.

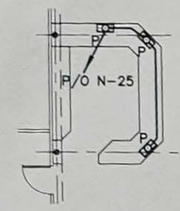
LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	#	LAMP (S)	VOLTS	W/VA	MOUNTING	NOTES	MANUFACTURER	CATALOG NUMBER
A1	INDIRECT FLUORESCENT - 12' LONG	9	FO32/835	120	279/282	AIR CRAFT CABLE	3	ALERA (COLUMBIA)	IDC-3T8-PERF-CM24-EB8LH120-7001-12-IB/OB
A2	INDIRECT FLUORESCENT - 8' LONG	6	FO32/835	120	186/188	AIR CRAFT CABLE	3	ALERA (COLUMBIA)	IDC-3T8-PERF-CM24-EB8LH120-7001-8-IB/OB
B	2x4 RECESSED PARABOLIC	3	FO32/835	120	93/94	RECESSED	-	COLUMBIA	HC24-332-G-LD39-EB8LH-120-IB/OB
C	2x4 RECESSED LENSED TROFFER	2	FO32/835	120	63/64	RECESSED	-	COLUMBIA	4PS-24-232-G-FSA12-EB8LH-120
D	1x4 WALL BRACKET	1	FO32/835	120	38/38	WALL - 8' AFF	-	COLUMBIA	W4-132-EB8LH-120
E1	EMERGENCY BATTERY PACK - DUAL HEAD	2	12W HALOGEN	120/12	24/30	WALL	-	PRESCOLITE	ESB11-NB
E2	DUAL REMOTE EMERGENCY HEADS	2	12W HALOGEN	12	24	WALL	-	PRESCOLITE	PELHDT1212
E3	SINGLE REMOTE EMERGENCY HEAD	1	12W HALOGEN	12	12	WALL	-	PRESCOLITE	PELHT1212
E4	SINGLE REMOTE WEATHERPROOF EMERGENCY HEAD	1	12W HALOGEN	12	12	WALL	-	PRESCOLITE	PEXT-OS-T1212
F	2x2 RECESSED LENSED TROFFER	2	40W TWIN TUBE	120	71/73	RECESSED	-	COLUMBIA	4PS-22-240TT-GFS-A12-EBTTLH-120
G	WALL WASHER	1	26W COMP FL	120	32/34	RECESSED	-	PRESCOLITE	CFT826HEB-WW-B24
H	1x4 FLUORESCENT STRIP WITH WIRE GUARD	2	FO32/835	120	63/64	SURFACE	-	COLUMBIA	K4-232-EB8LH-120-CSWG4
J	DIRECT/INDIRECT TUBE	3	FO32/835	120	93/94	SURFACE	2	COLUMBIA	IT6-1U1D-T8-WM-CLA-WCB-EB8LH-120
K	WALL SCONCE	1	26W QUAD	120	32/34	SURFACE 9' AFF	-	DAVIS/MULLER	S2210-1126-0120-SN
L	EXTERIOR WALL PACK	1	175W MH	120	213/234	WALL	-	SPAULDING	WGRI-M175-DBZ
M	RECESSED CAN	1	100W MH	120	130/145	RECESSED	-	PRESCOLITE	RHD802-100MHFE-STH802L
N	HALF FACE WALL PACK	1	70W MH	120	95/104	WALL	1	KIM	WF21-P-70MH-120-LG-P
P	UNDER COUNTER LIGHT	1	FO17/835	120	20/21	UNDER COUNTER	-	DURAY	DSF117-SSB0-38
S1	DUAL HEAD PARKING AREA LIGHT	1	400W MH	208	458/478	25' POLE	-	KIM	2BMX21AF3-400MH208-DBP-CGL 25' STEEL POLE
S2	SINGLE HEAD WALKWAY	1	175W MH	208	213/234	15' POLE	-	KIM	1AMX21AF3-175MH208-DBP-CGL 15' STEEL POLE
S3	BUILDING FLOODLIGHT	1	100W MH	208	130/145	SWIVEL ARM	-	KIM	AFL11-100MH208-DBP-HDS-FH-TM2 2' POLE
S4	SIGN LIGHT	1	70W MH	208	95/104	2' W/SWIVEL MOUNT	-	KIM	CFL1/70MH/208-DBP-BD-CFL-DB-P 2' POLE
S5	WALKWAY BOLLARD	1	100W MH	208	130/145	BOLLARD	-	KIM	VSB2/100MH/120/DB-P
	EXIT SIGN - SINGLE FACE	-	LED'S	120	-	UNIVERSAL	-	PRESCOLITE	PEXHL-3R-ECW
	EXIT SIGN - DOUBLE FACE	-	LED'S	120	-	UNIVERSAL	-	PRESCOLITE	PEXHL-3R-ECW

NOTES: 1. COORDINATE MOUNTING OF FIXTURE WITH ARCHITECTURAL ELEVATIONS. REFER TO CENTER OF FIXTURE SHALL ALIGN WITH VERTICAL CENTER LINE OF ADJACENT WINDOW TREATMENT. (4 E3 A7)

2. FINISH COLOR SHALL BE "OLIVE DRAB (SW1166)", SUBMIT COLOR CHIP FOR APPROVAL.

3. CORD DROP SHALL BE WHITE IN COLOR.



2 PART PLAN DESK LIGHTING (E3 E3) SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
1/8"=1'-0" 0 4' 8' 16' 24'
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

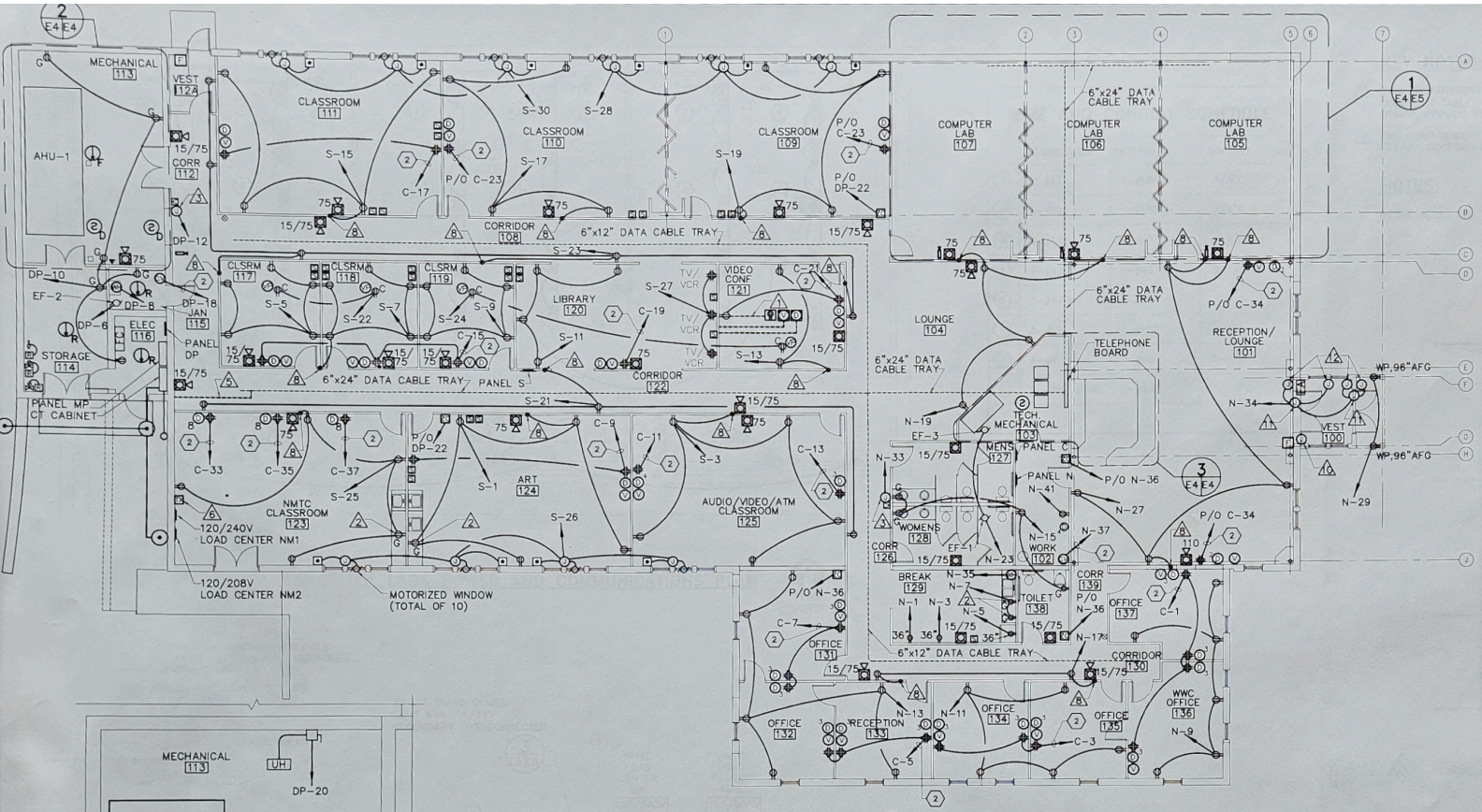
STATE OF MAINE FRANK PAUL JR. REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE:	10/20/00
DESIGN:	SDW
DRAWN:	RWL
CHECKED:	FJP
SCALE:	AS NOTED
JOB:	99014.04

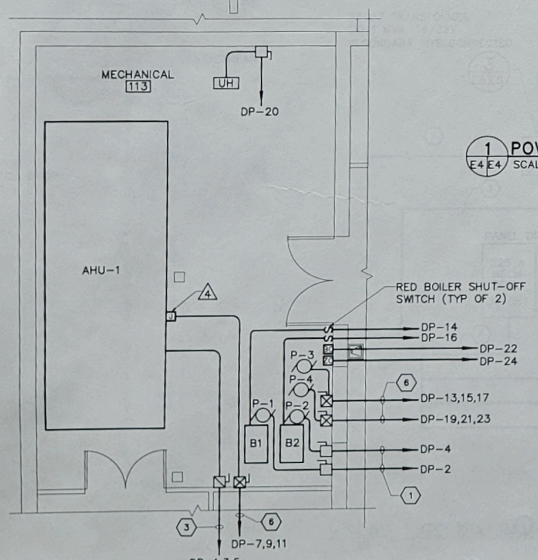
LIGHTING PLAN AND LIGHTING FIXTURE SCHEDULE

E3
36 OF 40



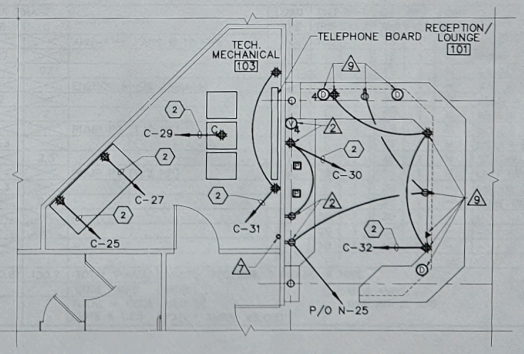
1 POWER AND COMMUNICATIONS PLAN
E4 E4 SCALE: 1/8" = 1'-0"

PLAN NORTH



2 PARTIAL POWER PLAN – MECHANICAL ROOM
E4 E4 SCALE: 1/4" = 1'-0"

PLAN NORTH



3 PARTIAL POWER AND COMMUNICATIONS PLAN– TECH ROOM 103 AND RECEPTION COUNTER
E4 E4 SCALE: 1/4" = 1'-0"

PLAN NORTH

NOTES:

1. RECEPTACLES MOUNTED ON EXISTING MASONRY WALLS SHALL BE SURFACE MOUNTED. WIRING SHALL BE FED VIA SURFACE MOUNTED RACEWAY.
2. RECEPTACLES FED FROM PANELBOARD C SHALL BE LABELED "COMPUTER ONLY".
3. PROVIDE WIRE AND JUNCTION BOX FOR CAMERA LOCATIONS. WIRE TO ROOM 103.
4. FOR WIRE AND CONDUIT SCHEDULE, REFER TO SHEET E5.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR RUNNING DATA, TELEPHONE, AND VIDEO WIRING IN CONDUIT AND RACEWAYS. FINAL TERMINATIONS PROVIDED BY THE OWNER. FOR EACH WIRE, LEAVE 12 INCHES OF SLACK AT EACH DEVICE AND 12 FEET OF SLACK IN TECH ROOM 103.

KEY NOTES:

1. INSLAB CONDUITS FOR FLOOR BOX POWER, DATA AND VIDEO. COORDINATE LOCATION OF INSLAB CONDUIT AND FLOOR BOX WITH RADIANT HEAT PIPING.
2. MOUNT DEVICES 8" ABOVE COUNTER.
3. COORDINATE LOCATION OF JUNCTION BOX WITH REQUIREMENTS OF WATER COOLER.
4. JUNCTION BOX FOR ENERGY WHEEL IN AHU-1 PROVIDED WITH UNIT. PROVIDE WIRING, CONDUIT AND STARTER.
5. TELEPHONE SERVICE IN 4" PVC CONDUIT TO CABLE TRAY. CABLE TV SERVICE IN 2" PVC CONDUIT TO CABLE TRAY.
6. PROVIDE BOOST TRANSFORMER. MOUNT ABOVE CEILING.
7. PROVIDE 1-1/2" CONDUIT RISER TO ROOF FOR OWNER PROVIDED SATELLITE DISH.
8. (ALTERNATE 2) WIRE VACUUM INLET TO RECEPTACLE. PROVIDE 2-#12, 1-#12G IN 3/4"C.
9. MOUNT DEVICE BELOW COUNTER, 18" AFF.
10. PROVIDE FLUSH MOUNTED JUNCTION BOX WITH BLANK COVER PLATE (18"AFF) AND 3/4" CONDUIT TO PANEL N.
11. PROVIDE JUNCTION BOX IN DOOR FRAME HEADER FOR HANDICAP DOOR OPENER.
12. PROVIDE JUNCTION BOX FOR PUSHBUTTON STATION FOR HANDICAP DOOR OPENER. MOUNT JUNCTION BOX 34" AFF.

GRAPHIC SCALES

1/4"=1'-0" 0 2' 4' 8' 12'

1/8"=1'-0" 0 4' 8' 16' 24'

CHECK GRAPHIC SCALES BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

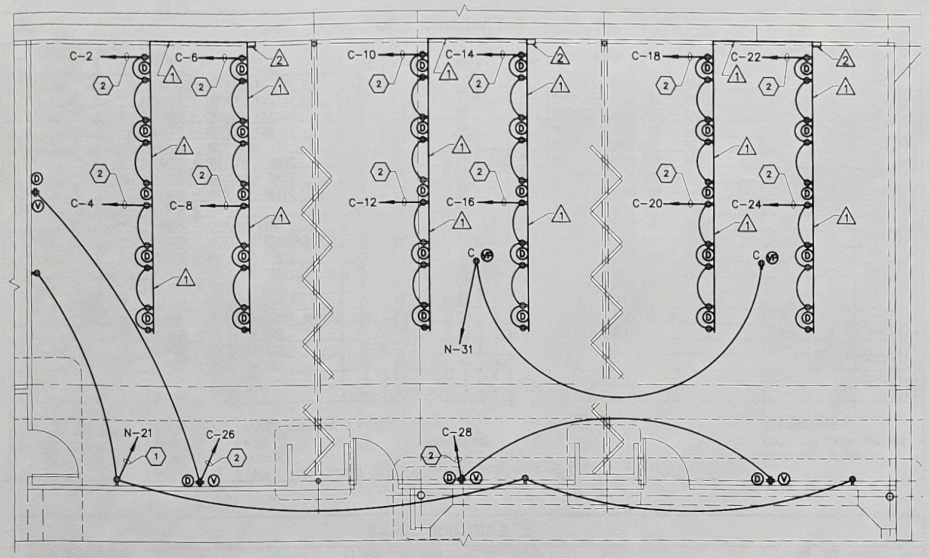
STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: SDW, DCL
DRAWN: DCL, RAL
CHECKED: FJP
SCALE: AS NOTED
JOB: 9901A.04

POWER AND COMMUNICATIONS PLANS

E4



1 COMPUTER LABS POWER AND COMMUNICATIONS PLAN
E4 E5 SCALE: 1/4"=1'-0"

PLAN NORTH

WIRE AND CONDUIT SCHEDULE

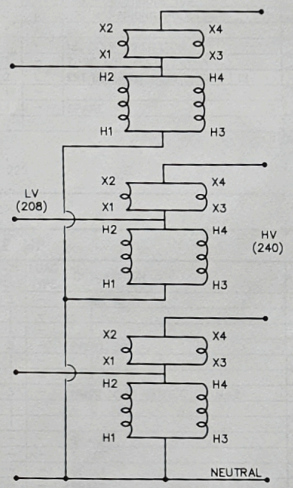
	CONDUCTORS	GROUND	CONDUIT
1	2-#12	1-#12G	3/4"C
2	2-#10	1-#10G	3/4"C
3	3-#1/0	1-#6G	1-1/2"C
4	4-#4/0	1-#4G	2-1/2"C
5	5-#4/0	1-#3G	3"C
6	3-#12	1-#12G	3/4"C
7	4-#4	1-#8G	1-1/4"C
8	8-#350 KCMIL	2-#2/0	(2) 4"C

KEY NOTES:

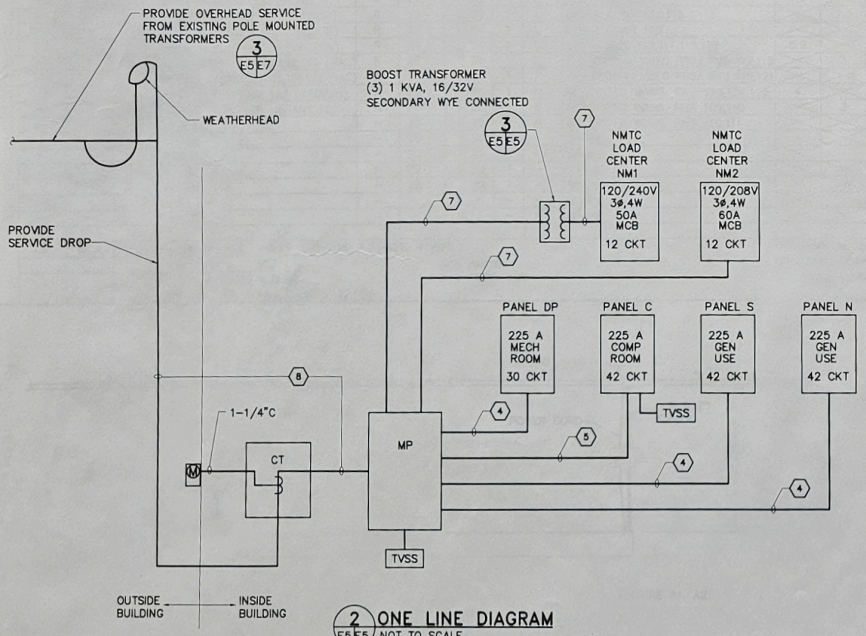
1. TWO COMPARTMENT 2x4 SURFACE MOUNTED STEEL RACEWAY. MOUNT RACEWAY TO COMPUTER TABLES (PROVIDED BY OWNER) AND WALL. COORDINATE LOCATION WITH OWNER. PROVIDE DEVICES AS INDICATED.
2. TWO COMPARTMENT SURFACE MOUNTED RACEWAY RISER WALL MOUNTED TO ABOVE CEILING. COORDINATE WITH OWNER FOR LOCATION OF DESKS BEFORE INSTALLATION.

NOTES:

1. RECEPTACLES FED FROM PANELBOARD C SHALL BE LABELED "COMPUTER ONLY".



3 BOOST TRANSFORMER CONNECTION DIAGRAM
E5 E5 NOT TO SCALE



2 ONE LINE DIAGRAM
E5 E5 NOT TO SCALE

PANEL SCHEDULE DP

CKT NO	AMPS PER PHASE A	B	C	DESCRIPTION	LOAD TYPE	CKT BKR TRIP	POLE	CKT BKR TRIP	POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE A	B	C	CKT NO
1	97			AHU-1 (2 FANS @ 15 HP)	M	150	3	15	1	M	PUMP P1 (1/12 HP)	3.2			2
3		97						15	1	M	PUMP P2 (1/12 HP)		3.2		4
5			97					15	1	M	EXHAUST FAN EF-2 (27W)			1.7	6
7	2			ENERGY WHEEL (AHU-1)	M	15	3	20	1	–	WATER HEATER	13			8
9		2						20	1	R	RECS – RMS 116,115,114,113		9		10
11			2					20	1	M	WATER COOLER, CORR 112			5	12
13	2.3			PUMP P3 (1/2 HP)	M	15	3	15	1	M	BOILER B-1	4			14
15		2.3						15	1	M	BOILER B-2		4		16
17			2.3					30	1	M	CENTRAL VACUUM CV-1			14.4	18
19	2.3			PUMP P4 (1/2 HP)	M	15	3	15	1	M	UNIT HEATER	4			20
21		2.3						20	1	–	BOILER CONTROLLER		11		22
23			2.3					20	1	–	ZONE CONTROL MODULES			6	24
25	.			–	–	20	1	20	1	–	–	.			26
27		.		–	–	20	1	20	1	–	–		.		28
29			.	–	–	20	1	20	1	–	–			.	30
	127.8	130.8	130.7	TOTAL/PHASE	VOLTS: 120/208, 3 PHASE, 4 WIRE										
				CODE AMPS	MCB: ☐			MCB AMPS: .							
				TOTAL = CODE AMPS X 1.25	MLO: ☒			BUS AMPS: 225							
					FAULT AMPS: 42,000										

DESIGNATION: DP
LOCATION: ELEC RM 116
MOUNTING: SURFACE

GRAPHIC SCALE

1/4"=1'-0" 0 2' 4' 8' 12'

CHECK GRAPHIC SCALE BEFORE USING

99014.04-804.dwg 10-19-00 9:41:52 am EST

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BROOKSVILLE, MAINE 04605

STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: SDW, DCL
DRAWN: RML, DCL
CHECKED: PJP
SCALE: AS NOTED
JOB: 99014.04

PARTIAL POWER PLAN AND DETAILS

E5

PANEL SCHEDULE C

CKT NO	AMPS PER PHASE A	B	C	DESCRIPTION	LOAD TYPE	CKT BKR TRIP	POLE	CKT BKR TRIP	POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE A	B	C	CKT NO
1	12			QUADS – OFFICES 137,136	R	20	1	20	1	R	WORKSTATIONS 107 – WEST	10			2
3		9		QUADS – OFFICES 135,134	R	20	1	20	1	R	WORKSTATIONS 107 – WEST		10		4
5			9	QUADS – OFFICES 133,132	R	20	1	20	1	R	WORKSTATIONS 107 – EAST			10	6
7	9			QUADS – OFFICES 132,131	R	20	1	20	1	R	WORKSTATIONS 107 – EAST	10			8
9		6		QUADS – ART ROOM 124	R	20	1	20	1	R	WORKSTATIONS 106 – WEST		10		10
11			3	QUADS – RM 125 – WEST	R	20	1	20	1	R	WORKSTATIONS 106 – WEST			10	12
13	3			QUADS – RM 125 – EAST	R	20	1	20	1	R	WORKSTATIONS 106 – EAST	10			14
15		9		QUADS – RMS 117,118,119	R	20	1	20	1	R	WORKSTATIONS 106 – EAST		10		16
17			6	QUADS – RM 111	R	20	1	20	1	R	WORKSTATIONS 105 – WEST			10	18
19	3			QUADS – LIBRARY 120	R	20	1	20	1	R	WORKSTATIONS 105 – WEST	10			20
21		6		QUADS – VIDEO CONFERENCE 121	R	20	1	20	1	R	WORKSTATIONS 105 – EAST		10		22
23			6	QUADS – RMS 109, 110	R	20	1	20	1	R	WORKSTATIONS 105 – EAST			10	24
25	3			QUADS – TECH RM 103	R	20	1	20	1	R	QUADS – RM 107	6			26
27		3		QUADS – TECH RM 103	R	20	1	20	1	R	QUADS – RMS 106,107		6		28
29			3	QUADS – CEILING, TECH RM 103	R	20	1	20	1	R	RECS – PRINTERS (COUNTER)			6	30
31	6			QUADS – TELEPHONE BOARD, RM 103	R	20	1	20	1	R	QUADS – COUNTER RM 101	9			32
33		3		QUADS – NMTC RM 123	R	20	1	20	1	R	QUADS – RM 101		6		34
35			3	QUADS – NMTC RM 123	R	20	1	20	1	–	SPARE			·	36
37	3			QUADS – NMTC RM 123	R	20	1	40	3	–	TVSS	·			38
39		·		SPARE	–	20	1	|	|	–	|		·		40
41			·	SPARE	–	20	1	|	|	–	|			·	42
	94	88	76	TOTAL/PHASE	VOLTS: 120/208, 3 PHASE, 4 WIRE							DESIGNATION: C			
				CODE AMPS	MCB: ☐			MCB AMPS: .				LOCATION: WORK RM 102			
				TOTAL = CODE AMPS X 1.25	MLO: ☒			BUS AMPS: 225				MOUNTING: FLUSH			
					FAULT AMPS: 22,000			PROVIDE 200% NEUTRAL BUS							

PANEL SCHEDULE N

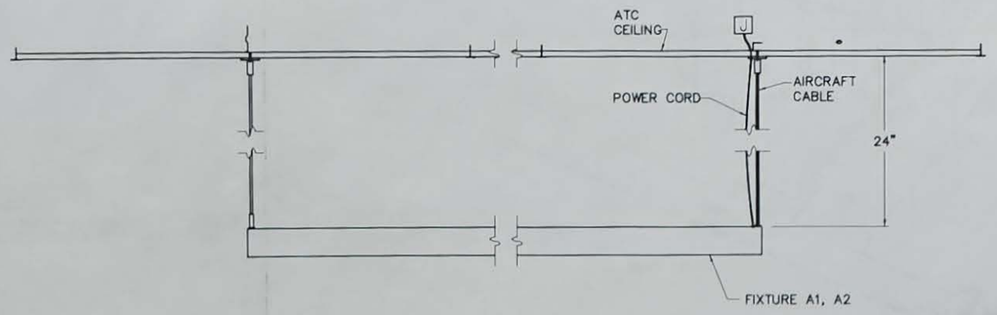
CKT NO	AMPS PER PHASE A	B	C	DESCRIPTION	LOAD TYPE	CKT BKR TRIP	POLE	CKT BKR TRIP	POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE A	B	C	CKT NO
1	5			VENDING MACHINE – RM 129	R	20	1	20	1	L	LTS – COMPUTER LAB 105	7.8			2
3		5		VENDING MACHINE – RM 129	R	20	1	20	1	L	LTS – COMPUTER LAB 106		7.8		4
5			5	REFRIGERATOR – RM 129	R	20	1	20	1	L	LTS – COMPUTER LAB 107			7.8	6
7	3			COUNTER RECS – RM 129	R	20	1	20	1	L	LTS – CLASSROOM 109	9.4			8
9		9		RECS – OFFICES 137,136	R	20	1	20	1	L	LTS – OFFICES 131,132,133,134		6.3		10
11			7.5	RECS – OFFICES 135,134	R	20	1	20	1	L	LTS – RMS 135,136,137,102,103			9.2	12
13	9			RECS – OFFICES 133,132,131	R	20	1	20	1	L	LTS – CORR 126, 130	4.2			14
15		6		RECS – MENS 127, WOMENS 128, RM 102	R	20	1	20	1	L	LTS – RECEPTION 101		9.5		16
17			6	RECS – CORRIDOR 130 (VACUUM)	R	20	1	20	1	L	LTS – RECEPTION 101			6.33	18
19	7.5			RECS – LOUNGE (VACUUM)	R	20	1	20	1	L	LTS – LOUNGE 104, RECEPTION 101	7.3			20
21		6		RECS – RMS 105,106,107	R	20	1	20	1	L	LTS – TOILETS/BR RM		3.35		22
23			6.4	EXHAUST FANS EF-1, EF-3	M	15	1	20	1	L	LTS – OUTSIDE – NORTH			5.4	24
25	5.0			RECS – RM 101 COUNTER	R	20	1	20	1	L	LTS – OUTSIDE – SOUTH	7.2			26
27		10.5		RECS – RM 101 (VACUUM)	R	20	1	20	1	–	LTS – VESTIBULE 100		4.1		28
29			3	RECS – OUTSIDE	R	20	1	20	2	L	LTS – PARKING POLES			10.3	30
31	3			CLG RECS – VIDEO PROJ RMS 105,106	R	20	1	|	|	–	|	10.3			32
33		5		WATER COOLER	M	20	1	20	1	–	HC DOOR OPERATOR		3		34
35			13	WATER HEATER	M	30	1	20	2	–	ZONE CONTROLS			6	36
37	14.4			CENTRAL VACUUM CV-2 (ALT 2)	M	30	1	20	2	L	EXT BOLLARD, BLDG & SIGN LTS	5.6			38
39		·		SPARE	–	20	1	|	|	–	|		5.6		40
41			15	RECS – PHOTOCOPIER-WRKRM 102	–	20	1	20	1	–	SPARE			·	42
	98.2	81.2	101	TOTAL/PHASE	VOLTS: 120/208, 3 PHASE, 4 WIRE							DESIGNATION: N			
				CODE AMPS	MCB: ☐			MCB AMPS: .				LOCATION: WORK RM 102			
				TOTAL = CODE AMPS X 1.25	MLO: ☒			BUS AMPS: 225				MOUNTING: FLUSH			
					FAULT AMPS: 22,000										

PANEL SCHEDULE S

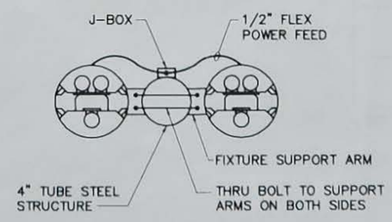
CKT NO	AMPS PER PHASE A	B	C	DESCRIPTION	LOAD TYPE	CKT BKR TRIP	POLE	CKT BKR TRIP	POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE A	B	C	CKT NO
1	9			RECS – ART ROOM 124 (VAC)	R	20	1	20	1	L	LTS – RM 125	9.4			2
3		9		RECS – AUDIO/VIDEO/ATM RM 125	R	20	1	20	1	L	LTS – RM 124		9.4		4
5			7.5	RECS – CLASRM 117	R	20	1	20	1	L	LTS – RM 123			9.4	6
7	9			RECS – CLASRM 118 (VACUUM)	R	20	1	20	1	L	LTS – RMS 120,121	5.4			8
9		7.5		RECS – CLASRM 119	R	20	1	20	1	L	LTS – RMS 117,118,119		4.7		10
11			6	RECS – LIBRARY 120	R	20	1	20	1	L	LTS – RM 110			9.4	12
13	4.5			RECS – VIDEO CONFERENCE 121	R	20	1	20	1	L	LTS – RM 111	9.4			14
15		7.5		RECS – CLASRM 111 (VACUUM)	R	20	1	20	1	L	LTS – CORR 122,112		7.3		16
17			7.5	RECS – CLASRM 110 (VACUUM)	R	20	1	20	1	L	LTS – CORR 108			4.9	18
19	7.5			RECS – CLASRM 109 (VACUUM)	R	20	1	20	1	L	LTS – RMS 113,114,115,116	5.9			20
21		6		RECS – CORRIDORS 122,126 (VAC)	R	20	1	20	1	R	CLG RECS – VIDEO PROJ RMS 117,118		3		22
23			12	RECS – CORRIDORS 112,108,126 (VAC)	R	20	1	20	1	R	CLG RECS – VIDEO PROJ RMS 119,121			3	24
25	9			RECS – NMTC RM 123 (VACUUM)	R	20	1	20	1	M	MOTORIZED WDWS, RMS 123,124,125	4			26
27		9		QUADS – TV/VCR LIBRARY 120	R	20	1	20	1	M	MOTORIZED WDWS, RMS 109,110		3		28
29			·	SPARE	–	20	1	20	1	M	MOTORIZED WDWS, RMS 110,111			3	30
31	·			SPARE	–	20	1	20	1	–	SPARE	·			32
33		·		SPARE	–	20	1	20	1	–	SPARE		·		34
35			·	SPARE	–	20	1	20	1	–	SPARE			·	36
37	·			SPARE	–	20	1	20	1	–	SPARE	·			38
39		·		SPACE	–	–	–	–	–	–	SPACE		·		40
41			·	SPACE	–	–	–	–	–	–	SPACE			·	42
	73.1	66.4	62.7	TOTAL/PHASE	VOLTS: 120/208, 3 PHASE, 4 WIRE							DESIGNATION: S			
				CODE AMPS	MCB: ☐			MCB AMPS: .				LOCATION: CORR 122			
				TOTAL = CODE AMPS X 1.25	MLO: ☒			BUS AMPS: 225				MOUNTING: FLUSH			
					FAULT AMPS: 22,000										

PANEL SCHEDULE MP

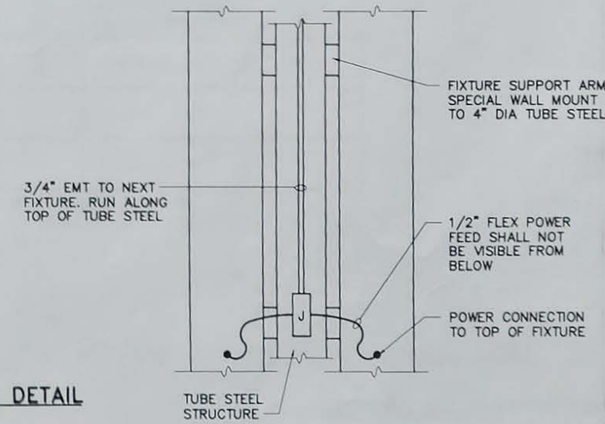
CKT NO	AMPS PER PHASE A	B	C	DESCRIPTION	LOAD TYPE	CKT BKR TRIP	POLE	CKT BKR TRIP	POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE A	B	C	CKT NO
1	94			PANEL C	–	225	3	225	3	–	PANEL S	73.1			2
3		88			–	|	|	|	–	|		66.4		4
5			76		–	|	|	|	–	|			62.7	6
7	98.7			PANEL N	–	225	3	225	3	–	PANEL DP	127.8			8
9		81.2			–	|	|	|	–	|		130.8		10
11			101		–	|	|	|	–	|			130.7	12
13	40			BOOST TRANSFORMER	–	60	3	60	3	–	NMTC LOAD CENTER NM-2	30			14
15		40			–	|	|	|	–	|		30		16
17			40		–	|	|	|	–	|			30	18
19	·			SPACE	–	–	–	–	–	–	SPACE	·			20
21		·		SPACE	–	–	–	–	–	–	SPACE		·		22
23			·	SPACE	–	–	–	–	–	–	SPACE			·	24
25	·			SPACE	–	–	–	–	–	–	SPACE	·			26
27		·		SPACE	–	–	–	–	–	–	SPACE		·		28
29			·	SPACE	–	–	–	–	–	–	SPACE			·	30
31	·			SPACE	–	–	–	–	–	–	SPACE	·			32
33		·		SPACE	–	–	–	–	–	–	SPACE		·		34
35			·	SPACE	–	–	–	–	–	–	SPACE			·	36
37	·			SPACE	–	–	–	40	3	–	TVSS	·			38
39		·		EXIT SIGNS	L	20	1	|	|	–	|		·		40
41			·	FIRE ALARM	–	20	1	|	|	–	|			·	42
	464	436	440	TOTAL/PHASE	VOLTS: 120/208, 3 PHASE, 4 WIRE							DESIGNATION: MP			
				CODE AMPS	MCB: ☒			MCB AMPS: 600				LOCATION: ELECT RM 116			
				TOTAL = CODE AMPS X 1.25	MLO: ☐			BUS AMPS: 600				MOUNTING: SURFACE			
					FAULT AMPS: 42,000										



1 TYPE A1, A2 FIXTURE MOUNTING DETAIL
E3 E6 NOT TO SCALE



SECTION



PLAN VIEW

2 TYPE J FIXTURE MOUNTING DETAIL
E3 S7 E6 NOT TO SCALE

OAK POINT ASSOCIATES
ARCHITECTS - ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

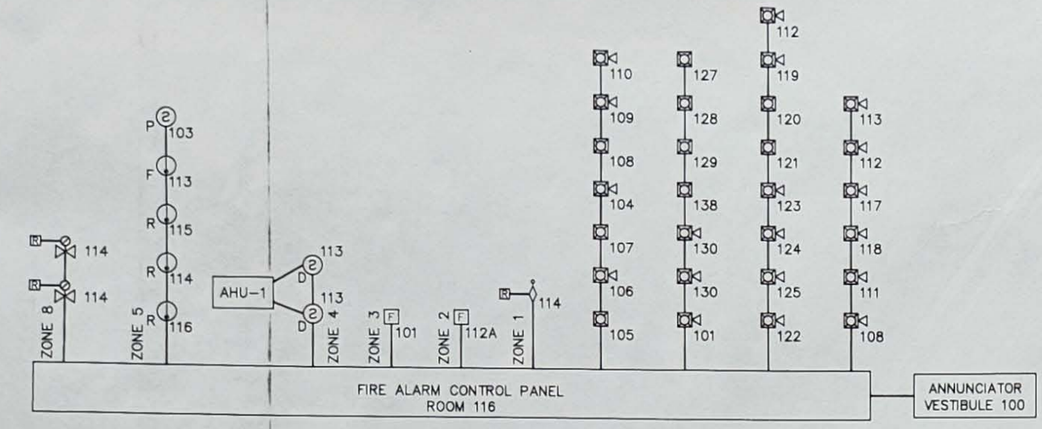
STATE OF MAINE PAUL R. RYAN 5114 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF MAINE AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

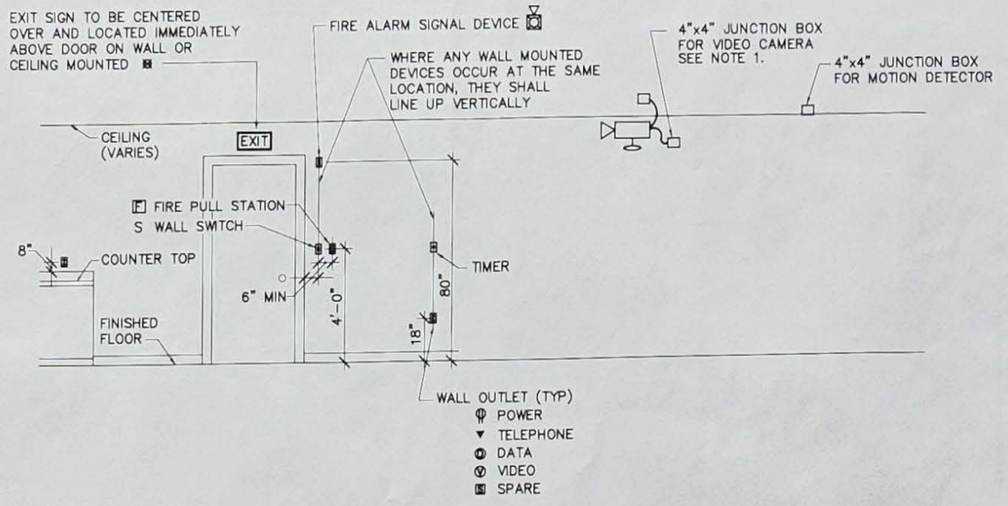
DATE: 10/20/00
DESIGN: SDW
DRAWN: RML
CHECKED: FJP
SCALE: AS NOTED
JOB: 99014.04

PANEL SCHEDULES AND DETAILS

E6
39 OF 40



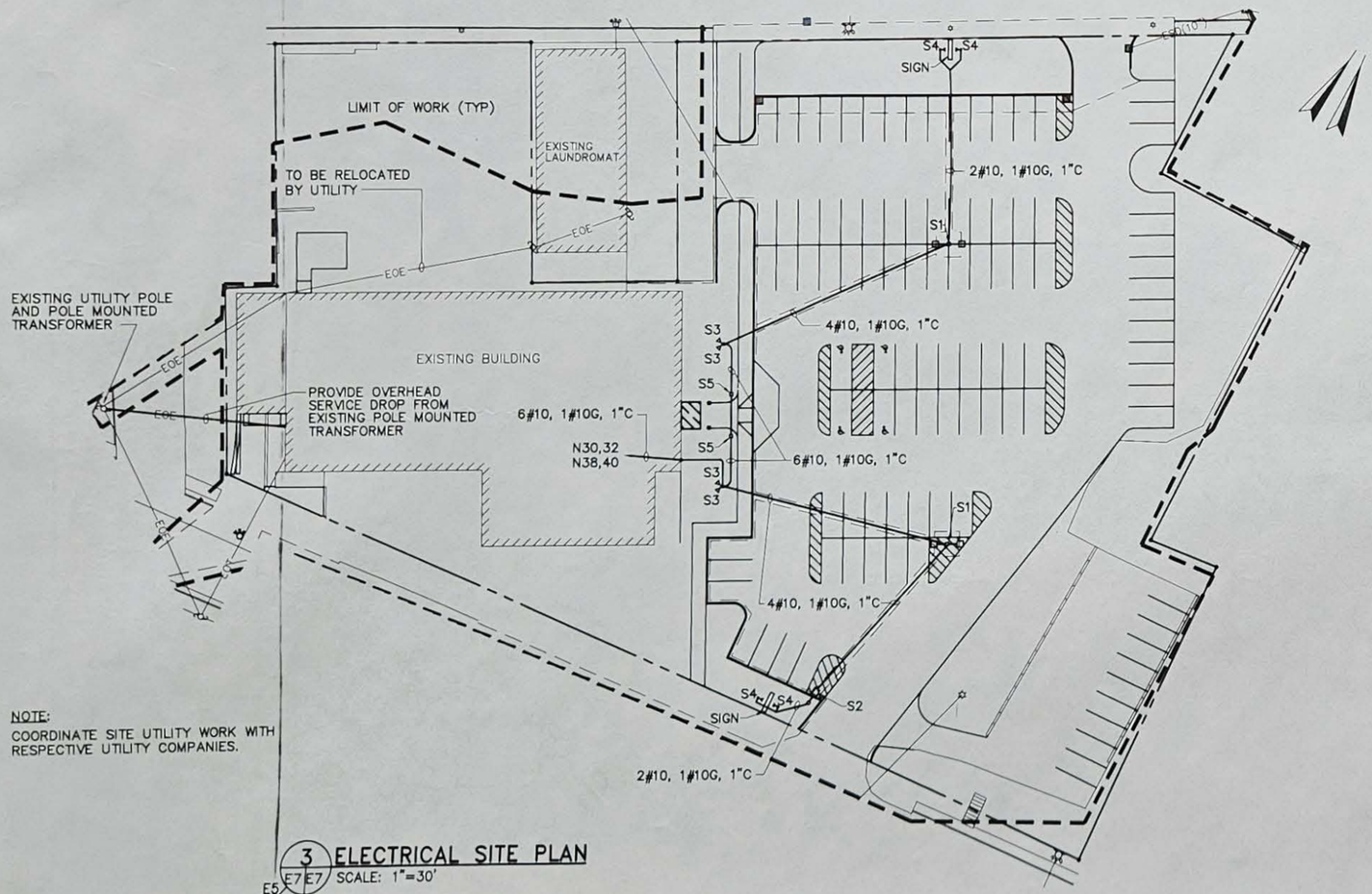
1 E7 E7 **FIRE ALARM ONE LINE DIAGRAM**
NOT TO SCALE



2 E7 E7 **TYPICAL DEVICE LOCATIONS**
NOT TO SCALE

NOTE:

1. LOCATION OF VIDEO CAMERA JUNCTION BOX SHALL BE FIELD DETERMINED AND APPROVED BY THE UNIVERSITY REPRESENTATIVE.



NOTE:
COORDINATE SITE UTILITY WORK WITH RESPECTIVE UTILITY COMPANIES.

3 E5 E7 E7 **ELECTRICAL SITE PLAN**
SCALE: 1"=30'

SITE LIGHTING CONTROL			
TIME CLOCK	FIXTURE TYPE	DESCRIPTION	CIRCUIT CONTROLLED
TC-1	S1 S2	POLE MOUNTED PARKING AREA	N30,32
TC-2	S4	SIGN LIGHTS	N38,40
TC-3	S3 S5	EXTERIOR FACADE AND BOLLARD LIGHTS	N38,40
TC-4	M N	VESTIBULE LIGHTS	N-28

NOTE: TIME CLOCKS LOCATED IN ROOM 102

GRAPHIC SCALE
1"=30' 0 15' 30' 60' 120'
CHECK GRAPHIC SCALE BEFORE USING

OAK POINT ASSOCIATES
ARCHITECTS – ENGINEERS
231 MAIN STREET BIDDEFORD, MAINE 04005

FRANK J. PAUL JR. 5764 REGISTERED PROFESSIONAL ENGINEER STATE OF MAINE

UNIVERSITY OF MAINE
AT PRESQUE ISLE
HOULTON HIGHER EDUCATION CENTER
HOULTON, MAINE

DATE: 10/20/00
DESIGN: SDW, DCL
DRAWN: SDW, DCL
CHECKED: FJP
SCALE: AS NOTED
JOB: 99014.04

ELECTRICAL DETAILS

E7
40 OF